

# Englist.me



## Vocabulary Builder Reference from...

*Robert Ballard: The astonishing hidden world of the deep ocean | TED Talk*

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### All Words

#### IMPORTANT

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## Session 1: Word List

### exploration

*n.* the activity of searching and finding out about something through a place

*synonym*: inquiry, quest, investigation

(1) future of space **exploration**, (2) an Arctic **exploration**

He called for a careful **exploration** of the consequences.

### explore

*v.* to travel to or penetrate an area or a country to learn about it; to thoroughly examine a subject or a possibility to learn more about it

*synonym*: analyze, delve into, examine

(1) **explore** the world, (2) **explore** our options

The management must **explore** strategies to increase office security.

### heaven

*n.* (of various religious and mythological traditions) a place or state of existence considered to be the abode of the divine, the afterlife, or a higher realm of being; a state of great happiness, contentment, or beauty

*synonym*: paradise, nirvana, utopia

(1) ascend to **heaven**, (2) **heaven** on earth

He felt like **heaven** when he tasted the delicious chocolate cake.

## manifestation

*n.* a visible or tangible form of something, especially a particular sign of a disease or condition

*synonym*: expression, embodiment, presentation

(1) **manifestation** of a deeper problem, (2) **manifestation** of psychological stress

The **manifestation** of his anxiety was evident in his shaking hands.

## agency

*n.* an organization or business that is responsible for specific activities or services, especially when representing other organizations or businesses; the capacity or power to act or exert influence; the ability to make decisions and take action

*synonym*: organization, bureau, institution

(1) real estate **agency**, (2) intelligence **agency**

The government **agency** regulated the country's food and drug safety standards.

## government

*n.* the group of people with authority to control a country or state

*synonym*: administration, regime, state

(1) **government** bureaucracy, (2) **government** funding

The federal **government** is planning to increase taxes for the next fiscal year.

## nation

*n.* a large organized community of people living in a particular country or region and having a particular culture

*synonym*: country, state, sovereign entity

(1) **nation-state**, (2) a seafaring **nation**

The **nation** of Japan is known for its unique culture and advanced technology.

## oceanic

*adj.* relating to or characteristic of the ocean or its inhabitants; having to do with the vast expanse of saltwater that covers most of the Earth's surface

*synonym*: marine, pelagic, sea

(1) **oceanic** climate, (2) **oceanic** exploration

The **oceanic** waves crashed against the shore, creating a mesmerizing sight.

## atmospheric

*adj.* about or located in the earth's atmosphere

*synonym* : atmospherical, climatic

(1) doubling of **atmospheric** carbon dioxide,

(2) **atmospheric** pressure

The sea surface temperature and **atmospheric** circulation are inextricably linked.

## administer

*v.* to oversee and control the operation or arrangement of something

*synonym* : allocate, distribute, dispense

(1) **administer** justice, (2) **administer** the funds

After the accident, three governmental bodies **administer** the company.

## ignore

*v.* to intentionally not listen or pay attention to

*synonym* : neglect, disregard, shun

(1) **ignore** her advice, (2) **ignore** a ban

Since independence, the area has been completely **ignored**.

## hell

*n.* the place thought to be where bad people go and are punished after death, often depicted as being located beneath the earth; an extraordinarily unpleasant or difficult place

*synonym* : inferno, agony, misery

(1) run like **hell**, (2) **hell** broke loose

The battlefield became **hell** on earth.

## assume

*v.* to think or accept something to be true without having proof of it; to take or begin to have power; to begin to exhibit a specific quality or appearance

*synonym* : guess, presume, suppose

(1) **assume** a lousy attitude to his boss, (2) **assume** an

important role

The following example **assumes** that the capacity of each battery is the same.

## **gloomy**

*adj.* characterized by a lack of light or sunshine, resulting in a dark or dim atmosphere; feeling despondent, dismal, or melancholy

*synonym* : melancholy, dismal, dreary

(1) **gloomy** mood, (2) **gloomy** expression

The **gloomy** weather made staying motivated and happy throughout the day hard.

## **planet**

*n.* any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star

*synonym* : earth, world, globe

(1) **planet** like the Earth, (2) save the **planet**

Mercury is the closest **planet** to the sun.

## **buckle**

*v.* to bend out of shape, as under pressure or from heat;  
(noun) a device used for fastening two loose ends of a belt or strap

*synonym* : bend, crumple, contort

(1) **buckle** down to study, (2) **buckle** shoe

The severe heat wave **buckled** railway tracks.

## **immerse**

*v.* to become fully involved in a particular activity; to dip or submerge in a liquid, especially so that they or it are entirely covered

*synonym* : dip, inundate, submerge

(1) **immerse** the cloth in the dye, (2) completely **immerse** the ingredient

He **immersed** himself in his research.

## **geophysical**

*adj.* relating to the physical characteristics and processes of the Earth and its surrounding atmospheres, such as geology, meteorology, and oceanography

*synonym* : geologic, earth science, seismic

(1) **geophysical** exploration, (2) **geophysical** data

**Geophysical** surveys study the physical characteristics of the Earth's surface and subsurface.

## ridicule

*n.* speech or behavior that makes fun of or mocks someone or something; teasing, sarcasm, or scornful remarks that are intended to belittle or humiliate; (verb) to mock, criticize, or make fun of someone or something in a scornful or derisive way

*synonym* : derision, mockery, satire

(1) public **ridicule**, (2) **ridicule** at his expense

The **ridicule** from his classmates made him feel embarrassed and ashamed.

## continental

*adj.* of or relating to a continent (= one of the earth's large landmasses)

*synonym* : mainland, intercontinental, transcontinental

(1) **continental** divide, (2) polar **continental** air

The **continental** breakfast at the hotel was included with the room.

## drift

*v.* to move smoothly and slowly in water or air, especially as a result of outside forces, with no control over the direction

*synonym* : float, wander, freewheel

(1) **drift** down the stream, (2) **drift** away on a raft

I **drifted** around for years in Europe before going to university.

## marshal

*n.* a military officer of high rank or a person in charge of organizing or leading a parade or public event; a law enforcement official or officer responsible for maintaining order and enforcing regulations; (verb) to organize, arrange, or gather together resources, information, or people in a deliberate and systematic manner

*synonym* : general, commander, organizer

(1) **marshal** the books into their proper places, (2) deputy **marshal**

The event organizer appointed a professional **marshal** to manage the flow of traffic.

## syncline

*n.* a geological fold or rock formation in which the layers of rock are bent or curved downward, creating a concave shape resembling a trough or basin

*synonym* : fold, flexure, trough

(1) Appalachian **syncline**, (2) circular **syncline**

The geologists studied the **syncline** in the rock layers to understand the folding process.

## cycle

*n.* an interval during which a recurring sequence of events occurs; a bicycle or motorcycle

*synonym* : revolution, rotation, bike

(1) the **cycle** of the seasons, (2) go to the workplace by **cycle**

The food chain causes a material **cycle**.

## bunch

*n.* a grouping of several similar things which are growing or fastened together

*synonym* : group, assemblage, bundle

(1) a **bunch** of trees, (2) a **bunch** of schoolgirls

One bad apple spoils the whole **bunch**.

## context

*n.* the circumstances, facts, or conditions that surround a particular event, situation, or statement and that give it meaning

*synonym* : background, setting, environment

(1) historical **context**, (2) legal **context**

It's important to understand the **context** of a situation before making a decision.

## geology

*n.* a science that deals with the history of the earth as recorded in rocks

*synonym* : earth science

(1) bureau of **geology**, (2) local **geology**

He was a visiting **geology** professor at the University of Tokyo.

## vertical

*adj.* upright or perpendicular to a horizontal surface or line  
*synonym*: perpendicular, upright, plumb

(1) **vertical** takeoff, (2) **vertical** axis

The ladder leaned against the **vertical** surface of the building.

## tectonics

*n.* the study of the processes that shape the Earth's surface, including the movements of tectonic plates, earthquakes, and volcanic activity

*synonym*: geology, plate tectonics, earth movements

(1) plate **tectonics**, (2) collision **tectonics**

Global **tectonics** plays a critical role in the formation of mountain ranges and the movement of Earth's crustal plates.

## discovery

*n.* the act or process of finding information, a place, or an object, or learning about something that was previously not known

*synonym*: finding, uncovering, detection

(1) a scientific **discovery**, (2) the great **discovery** of the century

Her research team made an important **discovery**.

## accident

*n.* an unfortunate event, especially one causing damage or injury

*synonym*: calamity, casualty, chance

(1) cause an **accident**, (2) injury in a car **accident**

The **accident** partially destroyed my vehicle.

## represent

*v.* to speak, act, or be present on behalf of another person or group; to form or constitute

*synonym*: depict, express, describe

(1) **represent** by a diagram, (2) the characters that

**represent** numbers

We elected him to **represent** us at the international conference.

## glimpse

*n.* a brief or partial view; the act of seeing something or someone for a very short time or only partly

*synonym*: glance, peek, sighting

(1) a momentary **glimpse**, (2) passing **glimpse**

Our team caught a **glimpse** of the world-class technique in this game.

## characterize

*v.* to describe the distinctive nature or features of someone or something; to be a distinguishing feature of

*synonym*: describe, depict, portray

(1) **characterize** the relationship, (2) **characterize** his work

Their love of discovery and exploration often **characterizes** the adventurous spirit of the explorer.

## impressive

*adj.* arousing admiration due to size, quality, or skill

*synonym*: impactful, remarkable, exceptional

(1) **impressive** performances, (2) an **impressive** array of facts

The budget reduction was an **impressive** feat for our nation.

## fracture

*n.* the breaking or cracking of a rigid material or object such as bone

*synonym*: break, crack, rupture

(1) **fracture** test, (2) risk of bone **fractures**

X-ray inspection revealed many **fractures**.

## zone

*n.* a specific area, region, or section that is marked off or defined in some way

*synonym*: area, region, territory

(1) time **zone**, (2) **zone** defense

He was reluctant to leave his comfort **zone** and try something new.



## spot

*n.* a particular location or place; a small round or roundish area, differing in color or feels from the surface around it  
*synonym* : dot, mark, place

(1) beauty **spot**, (2) a **spot** on his honor

This remote **spot** is rarely visited.

## hemisphere

*n.* half of the terrestrial globe; half of a sphere

(1) northern **hemisphere**, (2) cerebral **hemisphere**

This weather pattern is unique to the southern **hemisphere**.

## unexplored

*adj.* not yet examined, investigated, or studied; lacking in knowledge or information; unknown or undiscovered

*synonym* : uncharted, undiscovered, untapped

(1) **unexplored** ideas, (2) **unexplored** cave

There are many **unexplored** regions of the ocean that scientists hope to study soon.

## captain

*n.* the leader of a group of people, especially who is in charge of a ship or aircraft

*synonym* : boss, director, leader

(1) the **captain** of an opposing team, (2) **captain** of industry

The **captain** ordered the troops to fire.

## amazing

*adj.* extremely surprising, especially in a way that you like or admire

*synonym* : exceptional, extraordinary, wonderful

(1) **amazing** advances, (2) the most **amazing** feeling

The golfer recorded an **amazing** distance.

## naive

*adj.* showing unaffected simplicity and lack of experience, wisdom, or judgment

*synonym* : innocent, unsophisticated, gullible

(1) **naive** belief, (2) **naive** mistake

The con artist's lies quickly took in the **naive** young man.

## continent

*n.* one of the earth's large landmasses; (adjective) abstaining from your feelings, especially your desire to

have sex

*synonym*: landmass, (adjective) chaste, (adjective) pure

(1) the inland of a **continent**, (2) **continent** urinary diversion

Flight across the **continent** was a daring adventure in its day.

## **ludicrous**

*adj.* so ridiculous, unreasonable, or out of place as to be amusing; absurd

*synonym*: absurd, ridiculous, farcical

(1) **ludicrous** idea, (2) **ludicrous** behavior

It's **ludicrous** to blame the teachers for the education system's failures.

## **constantly**

*adv.* all the time

*synonym*: continuously, always, frequently

(1) a **constantly** innovative enterprise, (2) a **constantly** varying mind

The mobile application industry is **constantly** changing.

## **enrich**

*v.* to make better or improve in quality by adding something else

*synonym*: enhance, improve, augment

(1) **enrich** a gas with a balloon, (2) **enrich** public services

Reading not only increases knowledge but also **enriches** life.

## **economy**

*n.* the system by which a country or region produces, manages, and distributes goods and services, including the money and finances involved in these activities; (of an airline) the lowest-priced, most basic option for seating in commercial travel

*synonym*: finance, trade, business

(1) **economy** of scale, (2) **economy** class

The **economy** of the country is struggling due to the recent political instability.

## **presentation**

*n.* the act of formally introducing or displaying something to others; the manner in which something is presented or given visually, verbally, or otherwise

*synonym*: exhibition, display, speech

(1) **presentation** skills, (2) **presentation** slides

She gave a fantastic **presentation** at the conference and received a standing ovation.

## statistics

*n.* the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data

(1) **statistics** for cancer, (2) official **statistics**

The **statistics** demonstrate that poverty and unemployment are genuine problems.

## beneath

*adv.* in or to a lower place than someone or something

*synonym*: down, under, low

(1) the ground **beneath** my feet, (2) **beneath** contempt

A great stretch of the lake lay **beneath** them.

## jurisdiction

*n.* the extent or range of authority, power, or control exercised by a particular entity or organization, such as a government or court; the area within which such authority or control is exercised

*synonym*: power, authority, control

(1) local **jurisdiction**, (2) limited **jurisdiction**

The case fell under the **jurisdiction** of the state court system.

## mar

*v.* to damage or spoil the appearance or surface of something

*synonym*: damage, deface, disfigure

(1) **mar** a proper relationship, (2) **mar** the reputation

The scratches on the car **marred** its otherwise perfect appearance.

## expedition

*n.* a journey or voyage for a specific purpose

*synonym*: journey, trip, voyage

(1) **expedition** team, (2) a polar **expedition**

The **expedition** to the Amazon jungle was both exciting and challenging.

## mathematics

*n.* the science dealing with the logic of quantities, shapes, spaces, and arrangement

*synonym*: arithmetic, calculation, calculus

(1) a good grounding in **mathematics**, (2) **mathematics** competition

He has a flair for **mathematics**.

## sink

*v.* to submerge or go down below the surface of a liquid or substance; to decline or deteriorate; to cause something to go down into a liquid substance or sink into something else

*synonym*: descend, drop, plummet

(1) **sink** a lot of capital, (2) **sink** a buzzer-beater

The abandoned ship slowly began to **sink** into the murky waters of the harbor.

## giant

*adj.* enormous; much bigger or more important than similar items usually are

*synonym*: big, gigantic, huge

(1) **giant** trees, (2) **giant** tech company

The **giant** jets gradually dominate the world's airlines.

## rogue

*n.* a deceitful and unreliable person; a person who behaves badly

*synonym*: baddie, con artist, crook

(1) a **rogue** detective, (2) **rogue** state

The president states emphatically that the opponent country is a **rogue** state that supports terrorism.

## surf

*v.* to ride on or through waves while standing or lying down on a board or other object; to search or browse the Internet or other computer networks in a casual or aimless manner

*synonym*: browse, scan, paddle

(1) **surf** the Internet, (2) **surf** the waves

I'll **surf** the online store to see if I can find that item in a different color.

## incredible

*adj.* unbelievable; enormous

*synonym* : unbelievable, fantastical, inconceivable

(1) **incredible** amount, (2) at **incredible** speed

Her response revealed **incredible** idiocy.

## enraptured

*adj.* feeling great pleasure, happiness, or joy

*synonym* : cheered, elated, exhilarated

(1) an **enraptured** look, (2) **enraptured** at the sight

Her beautiful voice **enraptured** the audience.

## mount

*v.* to increase, go up, or advance gradually or continuously; to prepare and supply with the necessary equipment for execution or performance; to ride on something or someone

*synonym* : climb, increase, get on

(1) **mount** a hill, (2) **mount** a counterattack

They **mounted** pictures on the paper in preparation for the birthday card.

## crawl

*v.* to move forward slowly, as people or animals with their bodies near the ground

*synonym* : creep, drag

(1) **crawl** across the floor, (2) **crawl** away from a car

Along the gravel roads, sizeable yellow school buses **crawl**.

## submarine

*n.* a type of underwater vehicle or vessel that can operate beneath the surface of the water; (adjective) beneath the surface of the sea

*synonym* : sub, underwater vessel, sea-craft

(1) a **submarine** volcano, (2) **submarine** cable

The military **submarine** disappeared without a trace.

## dive

*v.* to jump into the water with your head and arms going in first, or to move down to a deeper level underwater

*synonym* : dip, leap, plunge

(1) **dive** into anime communities, (2) **dive** off a cliff

The sperm whale can **dive** to 1,000 meters.

## submersible

*adj.* able to be operated or used underwater; capable of being submerged in water or other liquid

*synonym*: submarine, underwater, submerged

(1) **submersible** pump, (2) **submersible** cable

The **submersible** vehicle can explore the depths of the ocean.

## cliff

*n.* a steep rock face, especially one at the edge of the sea or a river

*synonym*: crag, escarpment, precipice

(1) a bold **cliff**, (2) **cliff** diving

He stood at the edge of the **cliff** and looked out to sea.

## depth

*n.* the distance between the top and bottom of something; between the top surface and a distance below it

*synonym*: deepness, profoundness, extent

(1) **depth** camera, (2) the **depth** of the water

The pond's **depth** was around five feet.

## physically

*adv.* in a way related to a person's body or appearance rather than their mind

(1) **physically** and mentally, (2) stay **physically** fit

Having a **physically** healthy physique is essential for a great life.

## graduate

*n.* a person who has a first degree from university or college; (verb) to complete the first course of university or college and get a degree

*synonym*: alumna, alum, grad

(1) **graduate** degree program, (2) honor **graduate**

Many employers hire **graduate** trainees to train as managers.

## dawn

*n.* the time of day when the sun's light starts to show in the sky

*synonym*: daybreak, sunrise, advent

(1) the wan light of **dawn**, (2) crack of **dawn**

Missile assaults on the capital continued around **dawn**.

## ridge

*n.* a long, narrow, raised landform or rock formation

*synonym* : crest, summit, peak

(1) top of the **ridge**, (2) the **ridge** of the nose

The mountain range was full of rocky **ridges** and deep valleys.

## seam

*n.* a line of stitching or joining where two pieces of fabric or material are united; also, a narrow furrow or fissure in rock or soil

*synonym* : stitch, joint, wrinkle

(1) uneven **seam**, (2) the **seam** on the shoulder

She took the dress to the tailor to fix the torn **seam**.

## projection

*n.* the act of calculating or guessing, or the state of being estimated; any solid shape or object that juts out from something; an image on a screen cast from something

*synonym* : estimate, forecast, prediction

(1) draw a **projection** chart, (2) **projection** mapping

The weather forecast includes a **projection** of the high and low temperatures for the next week.

## quarter

*n.* one of four equal parts; a fourth part or portion

*synonym* : fourth, one-fourth

(1) a **quarter** mile, (2) end of the first **quarter**

The unemployment rate in the first **quarter** was 2.3 percentage points higher than in the previous.

## buzz

*v.* to make a continuous, low humming sound such as the one bee makes; an exciting and active atmosphere

*synonym* : hum, murmur, whisper

(1) the **buzz** of a cicada, (2) **buzz** marketing

I heard the **buzz** of conversation from the next room.

## feat

*n.* a notable or impressive achievement, especially one that requires great skill or bravery

*synonym* : achievement, accomplishment, exploit

(1) intellectual **feat**, (2) **feat** accomplishment

It is an incredible **feat** to climb Mount Everest, the highest mountain in the world.

## tremendous

*adj.* very great in degree or extent or amount or impact; extremely good

*synonym* : enormous, giant, immense

(1) **tremendous** amount, (2) **tremendous** popularity

We had a **tremendous** time yesterday.

## dominate

*v.* to have or control a lot of power and influence over somebody or something

*synonym* : govern, rule, prevail

(1) **dominate** possession, (2) **dominate** over the weak

The perspective of his right brain **dominates** his consciousness.

## genesis

*n.* the origin or beginning of something; the first book of the biblical scriptures of both Judaism and Christianity, describing the creation of the Earth and humankind

*synonym* : beginning, creation, provenance

(1) the **genesis** of civilization, (2) in the Book of **Genesis**

The politician's remarks became the **genesis** of the clash between the two countries.

## axis

*n.* a real or imaginary straight line through a body or figure around which the object turns; a group of countries in special alliance

*synonym* : central, core, pole

(1) vertical **axis**, (2) a coordinate **axis**

The earth's **axis** of rotation is tilted 66.5 degrees to the ecliptic plane.

## crust

*n.* a hard outer layer that forms on the surface of a liquid as it cools or on a solid as a result of exposure to air or moisture

*synonym* : layer, coating, shell

(1) **crust** formation, (2) the earth's **crust**



The bread's **crust** was golden brown and crispy.

**plat** *n.* a map or a plan that shows the division and layout of land into lots or parcels; a piece of land typically used for building or agricultural purposes  
*synonym* : map, chart, diagram  
(1) **plat** book, (2) a former **plat** of farmland  
The city planning department keeps detailed **plats** of all the local properties.

**separate** *v.* to force, take, or pull apart; mark as different  
*synonym* : disunite, isolate, ramify  
(1) **separate** video into chapter, (2) **separate** cream from milk  
We need to **separate** the aspect of his personality from the part of his competence when making an investment decision.

**organism** *n.* a tiny living thing  
*synonym* : being, creature  
(1) aerobic **organism**, (2) group of **organisms**  
A diversified plant species generally enhances beneficial **organism** populations.

**molten** *adj.* in a liquid state as a result of being heated  
*synonym* : melted, liquefied, fused  
(1) a **molten** image, (2) **molten** lava  
The **molten** metal was poured into the mold.

**heal** *v.* to make a wound or injury to become well again  
*synonym* : recover, bring around, mend  
(1) **heal** a broken bone, (2) **heal** the hurt mind  
It will take time for her mental scars to **heal**.

**asthenosphere** *n.* the upper layer of the Earth's mantle, located below the lithosphere, where the solid rock is relatively soft and can flow slowly under intense heat and pressure  
*synonym* :

mantle, lithosphere, Earth's interior

(1) upper **asthenosphere**, (2) Earth's **asthenosphere**

The underlying **asthenosphere** dynamics often influence earthquakes and volcanic activities.

## harden

*v.* to make something firm, solid, or resistant; to toughen or strengthen physically or emotionally; to become more rigid or less flexible

*synonym*: strengthen, solidify, fortify

(1) **harden** your heart, (2) **harden** clay

She had to **harden** her stance on the issue to gain support from her colleagues.

## tissue

*n.* an ensemble of similar cells of the animal or plant that together carry out a specific function

*synonym*: structure, texture, anatomy

(1) a facial **tissue**, (2) loss of muscle **tissue**

The researcher separated the nervous **tissue** for microscopic examinations.

## lateral

*adj.* relating to or situated on the side; moving or extending sideways; involving or relating to the transfer of information or responsibilities between individuals or departments within an organization

*synonym*: side, sideways, horizontal

(1) **lateral** communication, (2) **lateral** incisor

The **lateral** movement of the car caused it to skid off the road.

## boundary

*n.* a real or imaginary line that marks the limit or extent of something and separates it from other things or places

*synonym*: border, frontier, limitation

(1) geographical **boundary**, (2) the **boundary** between reality and fantasy

He wandered the **boundary** between life and death by gunfire.

- rift** *n.* a break or fissure in a relationship, organization, or physical structure; a large crack in the ground, rock, or other surfaces  
*synonym* : split, break, gap  
(1) **rift** between friends, (2) geological **rift**  
Their disagreement caused a **rift** in their friendship.
- valley** *n.* a long depression on the surface of the land, which typically contains a river  
*synonym* : canyon, gorge, dale  
(1) **valley** bottom, (2) basin-shaped **valley**  
The **valley** had received a mild snowfall the previous week.
- accurate** *adj.* correct and exact in all details  
*synonym* : exact, precise, proper  
(1) provide **accurate** information, (2) **accurate** measurements  
The official transcript contains **accurate** academic records.
- pitch** *n.* the property of sound that varies with variation in the frequency of vibration; the degree of a slope, especially of a roof; short presentation for selling or sharing something  
*synonym* : angle, gradient, slope  
(1) make a **pitch** for a new product, (2) a low- **pitched** sound  
Her voice gradually increased in **pitch**.
- absolutely** *adv.* without restriction or limitation; completely or utterly  
*synonym* : completely, utterly, definitely  
(1) **absolutely** against, (2) **absolutely** obsessed with the girl  
I am **absolutely** opposed to his idea because of morality.
- photon** *n.* a unit or quantum of electromagnetic energy, typically regarded as a particle that is the basic constituent of all light and other forms of electromagnetic radiation

*synonym* : particle, quantum, light

(1) **photon** emission, (2) **photon** energy

Infrared cameras detect **photons** in the infrared range of the electromagnetic spectrum.

## eternal

*adj.* being without beginning or end; lasting forever

*synonym* : endless, everlasting, undying

(1) the hope of **eternal** life, (2) **eternal** quarreling

In every civilization, rulers have tried everything possible to obtain **eternal** life.

## photosynthesis

*n.* the process through which plants and other organisms transform light energy into chemical energy, which is then released through cellular respiration to power the organism's activities.

(1) oxygenic **photosynthesis**, (2) process of **photosynthesis**

In **photosynthesis**, plants use carbon dioxide to feed themselves.

## absence

*n.* the fact or condition of being away from a place where they are typically anticipated to be

*synonym* : dearth, scarcity, lack

(1) **absence** from work, (2) a leave of **absence**

Another critical factor of child poverty is the father's **absence**.

## underworld

*n.* the criminal world or the world of organized crime; the realm of the dead in various mythologies

*synonym* : hell, netherworld, abyss

(1) god of the **underworld**, (2) criminal **underworld**

The story of Orpheus and Eurydice is said to have taken place in the **underworld**, where Orpheus attempted to rescue his wife from the realm of the dead.

## initial

*adj.* of or happening at the beginning; (noun) the first letter of a word, especially a person's name

*synonym* : basic, primary, beginning

(1) **initial** velocity, (2) an **initial** letter

They took the **initial** step toward reconciliation.

## volcanic

*adj.* relating to or produced by or consisting of volcano

(1) effects of **volcanic** eruptions, (2) increase in **volcanic** activity

This study indicates **volcanic** activity affects global warming.

## volcano

*n.* a mountain or hill, typically conical, having a crater or vent through which lava, rock fragments, hot vapor, and gas are or have been erupted from the earth's crust.

*synonym*: mount, peak, crater

(1) **volcano** alert level, (2) active **volcano**

The island was formed by a **volcano** millions of years ago.

## magnitude

*n.* the extent, level, importance, or amount of something

*synonym*: size, extent, level

(1) a star of the first **magnitude**, (2) the **magnitude** of the disaster

The **magnitude** of the earthquake was measured at 7.8 on the Richter scale.

## phenomenally

*adv.* extremely or exceptionally, especially in a way that is surprising

*synonym*: exceptionally, amazingly, remarkably

(1) **phenomenally** quick, (2) **phenomenally** gifted

He became **phenomenally** successful in the entertainment industry.

## boring

*adj.* lacking interest or excitement; tedious or dull

*synonym*: dull, tedious, monotonous

(1) **boring** work, (2) **boring** day

The lecture was so **boring** that many people fell asleep.

## rip

*v.* to tear something or be torn violently or suddenly

*synonym*: tear, cut, slit

(1) **rip** a notebook apart, (2) **rip** a hole in the roof  
During transit, the stuff may **rip** off the luggage tag.

## tension

*n.* a state of mental or emotional strain or excitement; the state of being stretched tight

*synonym* : stress, strain, anxiety

(1) **tension** headache, (2) a high- **tension** wire

The **tension** in the room was palpable as the team waited for their leader to speak.

## tectonic

*adj.* relating to the structure of the Earth's crust and the large-scale processes that occur as a result of movements within it

*synonym* : seismic, geologic, geological

(1) **tectonic** valleys, (2) a **tectonic** earthquake

The **tectonic** plates shifted, causing an earthquake.

## collide

*v.* to hit something violently when moving

*synonym* : clash, slam, contradict

(1) **collide** head-on, (2) **collide** in midair

The interests of the two countries **collide**.

## crush

*v.* to press it firmly, usually with your hands or a tool, so that it becomes flat or smaller

*synonym* : destroy, demolish, pulverize

(1) **crush** coffee beans, (2) **crush** a revolt

The car was completely **crushed** in the accident.

## uplift

*n.* the process of raising land to a higher elevation, or the result of this process; (verb) fill with high spirits

*synonym* : upthrust, upheaval, (verb) raise

(1) **uplift** mountains, (2) **uplift** my spirit

The **uplift** in the stock market has been a relief to investors.

## seashell

*n.* a type of shell that once housed a mollusk, typically found on beaches or in shallow water

*synonym* : shell, conch, bivalve

(1) **seashell** ornament, (2) a fossil **seashell**

I love collecting **seashells** on the beach and displaying them in a jar at home.

## flood

*n.* a large amount of water flowing beyond its normal limits; an overwhelming number or amount

*synonym*: deluge, downpour, overflow

(1) **flood** advisory, (2) a **flood** of questions

These heavy rains caused flash **floods** on several islands.

## compression

*n.* the act or process of pressing or squeezing something together, often using force or pressure; (of physics) the reduction of volume or increase in pressure of a gas or fluid

*synonym*: condensation, squeezing, pressing

(1) **compression** garment, (2) data **compression**

The doctor recommended a **compression** bandage to reduce swelling in the injured area.

## colleague

*n.* one of a group of a coworker, especially in a profession or a business

*synonym*: coworker, associate, fellow

(1) collaborate with **colleagues**, (2) former **colleague**

I decided to seek counseling on the advice of my **colleague**.

## thermal

*adj.* relating to heat or temperature; designed for or capable of producing or maintaining heat

*synonym*: heat-related, warm, hot

(1) **thermal** insulation, (2) **thermal** energy

The **thermal** imaging camera was used to detect heat signatures in the dark.

## blister

*n.* a small, fluid-filled bubble on the skin caused by friction, burning, or other skin irritation; can also refer to a similar bubble found in other materials; (verb) to become covered with blisters or to cause blisters to form; to criticize or rebuke severely

*synonym* : sore, vesicle, pustule

(1) **blister** after walking for miles, (2) **blister** treatment

The new hiking shoes gave me a **blister** on my heel after just a few miles of walking.

## curve

*n.* a bend or angle in a line or surface that deviates from a straight or flat path; a gradual or smooth change in direction or shape

*synonym* : bend, arc, turn

(1) learning **curve**, (2) yield **curve**

The **curve** in the road was so sharp that I had to slow down to navigate it safely.

## punch

*v.* to strike someone or something with one's fist; to make a hole in something

*synonym* : hit, strike, slap

(1) **punch** out numbers, (2) **punch** a ticket

He **punched** the wall in anger.

## probe

*n.* a tool used for testing or examining, especially for medical or scientific purposes, or an exploratory mission to a planet or other celestial body; (verb) to investigate, examine, or search into something

*synonym* : investigation, inquiry, examination

(1) a lunar **probe**, (2) **probe** for inside information

NASA sent a **probe** to study the atmosphere of Jupiter.

## hypothesis

*n.* a proposed idea or explanation that is based on a few known facts but has not yet been proven to be true or accurate

*synonym* : assumption, conjecture, theory

(1) test my **hypothesis**, (2) a bold **hypothesis**

This evidence supports the big-bang **hypothesis**.

## logical

*adj.* characterized by clear and sound reasoning; following a rational and systematic approach; based on or in accordance with logic or reason



*synonym* : rational, reasonable, coherent

(1) **logical** conclusion, (2) **logical** reasoning

The mathematical equation had a **logical** solution that was easy to follow.

## explanation

*n.* the information or arguments that someone provides to make something understandable or clear

*synonym* : description, elucidation, account

(1) the **explanation** for the failure, (2) detailed **explanation**

The following **explanation** is currently being used to explain the phenomenon in question.

## underwater

*adv.* below or under the surface of the water

*synonym* : submerged, undersea, submarine

(1) hold my breath **underwater**, (2) seals sleep **underwater**

He is good at swimming **underwater**.

## chimney

*n.* a vertical structure that channels smoke or gas from a fire or furnace out of a building; a hollow column or tube that facilitates air or fluid flow throughout a system

*synonym* : flue, smokestack, stack

(1) smoke **chimney**, (2) **chimney** sweep

The **chimney** in the factory was constantly emitting dark smoke.

## temperature

*n.* the degree of hotness or coldness of a thing or place

*synonym* : climate, warmth, degree

(1) extreme **temperatures**, (2) the atmospheric **temperature**

Cities around the world set records for highest **temperatures** this summer.

## stick

*v.* to put something, usually a sharp object, into something; to restrict yourself to doing or using one certain thing and not change; (noun) a thin piece of wood or other material

*synonym* : pierce, adhere, stay

(1) **stick** a key in a lock, (2) fire **stick**

You **stick** a bill in the change machine, and the coins pop out.

## peg

*n.* a small cylindrical or tapered pin used to fasten or secure something, such as clothing, on a line, or in carpentry and woodworking; (verb) to fasten or secure something using a peg or similar object; to mark or indicate a level or position using a peg or similar object

*synonym* : pin, dowel, spike

(1) **peg** in the ground, (2) **peg** an exchange rate

The sheep were tagged with numbered plastic **pegs** in their ears.

## pilot

*n.* a person who flies an aircraft, especially as a job; a person qualified to guide ships through a difficult area of water

*synonym* : aviator, flyer, chief

(1) a test **pilot**, (2) **pilot** production

The **pilot** exercised great care in landing.

## observation

*n.* the act or activity of carefully examining or monitoring something or someone

*synonym* : watching, notice, reflection

(1) class **observation** day, (2) **observation** instrument

In the hospital, she will remain under constant **observation**.

## melt

*v.* to turn from something solid into something soft or liquid as a result of heating

*synonym* : disintegrate, soften, disappear

(1) **melt** the ice, (2) **melt** down gold

Her resistance **melted** under his persuasion.

## degree

*n.* a unit of measurement for angles, temperature, or level of proficiency or achievement; a rank or level of academic or professional attainment

*synonym* : level, qualification, diploma

(1) bachelor's **degree**, (2) **degree** centigrade  
She received her **degree** in psychology from the university.

## organ

*n.* a part of the body of an animal or plant that has a particular purpose and performs a specific job

*synonym* : function, structure

(1) **organ** bleeding, (2) damage to internal **organs**

These infections have the potential to impact practically every **organ** system.

## chemical

*adj.* relating to or connected with chemistry;

*synonym* : chemic, synthetic

(1) toxic **chemicals**, (2) a **chemical** compound

The firm has grown into a large **chemical** manufacturing.

## commerce

*n.* the activity of buying and selling things, especially on a large scale

*synonym* : trade, transaction, dealings

(1) interstate **commerce**, (2) the local chamber of **commerce**

This company has invested heavily in Internet **commerce**.

## grade

*n.* a particular level of quality, size, importance, etc.

*synonym* : score, rate, degree

(1) boys in the twelfth **grade**, (2) students at all **grade** levels

Departments may set requirements for a higher **grade** point average.

## copper

*n.* a chemical element that is a soft, malleable, and ductile metal with very high thermal and electrical conductivity

(1) **copper** alloy, (2) **copper** belt

He made the old **copper** coins shine.

## zinc

*n.* a metallic element that is found in small amounts in the earth's crust and is used in the manufacture of brass and alloys, and is required to maintain human's health

*synonym* :

## Zn

(1) good source of **zinc**, (2) **zinc** deficiency

**Zinc** supplements are often recommended for people who are deficient in this mineral.

## massive

*adj.* enormous amount; very heavy and solid

*synonym*: enormous, giant, immense

(1) **massive** amounts, (2) **massive** stars

The recent economic downturn has resulted in **massive** layoffs.

## metal

*n.* a solid material that is typically hard, shiny, malleable, fusible, and ductile, with good electrical and thermal conductivity, and often used as a structural material, a conductor of heat or electricity, or for decorative purposes

*synonym*: alloy, metalloid

(1) **metal** fabrication, (2) precious **metal**

The construction worker used a **metal** saw to cut through the stubborn sheet metal.

## deposit

*n.* a sum of money or materials placed or kept in a bank, safety deposit box, or other secure places for safekeeping; a layer of rock, sand, or other material left behind by a flowing liquid or eroding force

*synonym*: bank, installment, sedimentation

(1) **deposit** money, (2) **deposit** accumulation

I made a **deposit** at the bank to add money to my account.

## ore

*n.* a naturally occurring mineral or rock from which a valuable substance, typically a metal, can be extracted through mining or other extraction methods

*synonym*: mineral deposit, rock

(1) gold **ore**, (2) copper **ore**

The mine produces high-quality iron **ore**.

## dwarf

*n.* a person or animal that is much smaller than usual or expected for its type; a celestial body, especially a planet, that is smaller and less massive than a star

*synonym* : midget, lilliputian, pygmy

(1) a potted **dwarf** tree, (2) a wise old **dwarf**

The **dwarf** planet Pluto is much smaller than earth and orbits the sun.

## profusion

*n.* abundance; a large quantity or number of something

*synonym* : abundance, excess, plenty

(1) **profusion** of ideas, (2) **profusion** of wildlife

The garden was filled with a **profusion** of colorful flowers and plants.

## tube

*n.* a cylindrical container of metal, plastic, glass, etc., usually sealed and used as a means of preserving food or chemicals; a hollow cylindrical shape

*synonym* : pipe, hose, duct

(1) a capillary **tube**, (2) a glass **tube**

The **tube** train was packed with commuters during rush hour.

## worm

*n.* a long, thin creature with a soft and long cylindrical tube-like body, no limbs, and a lack of eyes

(1) wiggly **worms**, (2) can of **worms**

**Worms** help dispose of the food waste produced by humans.

## vodka

*n.* a distilled alcoholic beverage made from fermented grains or potatoes, typically with high alcohol content and little or no added flavoring

*synonym* : spirit, liquor, distilled beverage

(1) **vodka** shot, (2) flavored **vodka**

I ordered a **vodka** tonic at the bar.

## pickle

*n.* vegetables or fruit preserved in salty water or vinegar served cold with meat, salads, etc.; informal terms for a difficult situation

*synonym* : jam, predicament, quagmire

(1) **pickle** a cucumber, (2) **pickle** barrel

The **pickle** must have an acidity level high enough to inhibit the growth of bacteria.

## formaldehyde

*n.* a colorless, flammable liquid with a strong, pungent smell used as a preservative and in the manufacture of various products

*synonym*: methanal

(1) **formaldehyde** solution, (2) **formaldehyde** odor

Exposure to high levels of **formaldehyde** can irritate the eyes, nose, and throat, as well as respiratory problems and cancer.

## clam

*n.* a marine mollusk that burrows and lives on sand or mud, the shell closes with viselike firmness

(1) giant **clam**, (2) shuck a **clam**

The **clam** digs through the sand to a significant depth.

## barren

*adj.* unable to produce or sustain growth; lacking fertility; unproductive; lacking interest, excitement, or creativity; empty or desolate

*synonym*: sterile, infertile, unproductive

(1) **barren** wasteland, (2) **barren** desert

The desert is known for its **barren** terrain with no sign of vegetation.

## anatomy

*n.* the scientific study that deals with the physical structure of humans, animals, or plants

(1) animal **anatomy**, (2) **anatomy** of a country's collapse

The professor explained the **anatomy** of the nervous system.

## gut

*n.* the long tube in the body of a person or animal through which food passes when it leaves the stomach; the mental strength or bravery required to do something difficult or unpleasant

*synonym*: belly, abdomen, courage

(1) the blind **gut**, (2) **gut** feelings

He told me a **gut-wrenching** truth about my parent's death.

## digestive

*adj.* relating to or capable of causing or promoting digestion of food

(1) **digestive** juices, (2) a **digestive** enzyme

A nutritious diet improves **digestive** functions.

## bacteria

*n.* single-celled or noncellular spherical or spiral or rod-shaped organisms that exist in large numbers in the air, water, and soil, and also in living and dead creatures and plants, and are often a cause of disease

*synonym* : microorganism, microbe

(1) pathogenic **bacteria**, (2) harmless **bacteria**

**Bacteria** prevalent in hospitals are often resistant to antibiotics.

## replicate

*v.* to make an exact copy of something; to repeat a process or experiment to confirm the results

*synonym* : duplicate, imitate, reproduce

(1) **replicate** the cell, (2) **replicate** data

The experiment was **replicated** several times to ensure accuracy.

## process

*n.* a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products

*synonym* : procedure, method, system

(1) **process** improvement, (2) decision-making **process**

The **process** for applying for a visa can be lengthy and complicated.

## synthesis

*n.* the combination of components or elements to form a more complex whole; the creation of something new through combining parts or elements

*synonym* : combination, integration, compound

(1) **synthesis** of ammonia, (2) protein **synthesis** inhibitor  
The chemical **synthesis** of the new drug was a breakthrough in medical research.

## predict

v. to state beforehand that something will happen in the future, mainly based on knowledge or experience

*synonym*: forecast, anticipate, foresee

(1) **predict** the future, (2) **predict** when she will arrive

It's notoriously challenging to **predict** birth rates.

## stumble

v. to miss a step and fall or nearly fall; to walk unsteadily

*synonym*: bumble, struggle, misstep

(1) **stumble** financially, (2) **stumble** through life

She **stumbled** over the tree root.

## accelerate

v. to make something faster or earlier; to cause to develop or progress more quickly

*synonym*: speed up, quicken, rev

(1) **accelerate** a chemical reaction, (2) **accelerate** the car

The government tried to **accelerate** the commercialization of this development.

## commute

v. to regularly travel a particular journey, especially between one's home and place of work; (noun) a regular journey of some distance to and from your place of work

*synonym*: travel, journey, trip

(1) **commute** to work, (2) daily **commute**

He had to **commute** two hours each way to get to work.

## distance

n. the amount of space between two points, measured in units such as miles, meters, or kilometers; the extent, scope, or range between two things, such as distance or emotional distance

*synonym*: space, gap, span

(1) driving **distance**, (2) social **distance**

The marathon runner covered a long **distance** in a short



amount of time.

## security

*n.* the state of being free from danger, risk, or harm; measures taken to protect against threats or attacks; a financial asset, such as a stock or bond that derives value exclusively from the ownership interest or claim to a particular underlying asset or obligation

*synonym* : safety, protection, stock

(1) national **security**, (2) **security** analyst

The building's **security** system includes cameras, alarms, and security guards.

## presence

*n.* the fact or state that someone or something exists, occurs, or is present

*synonym* : existence, actuality, fact

(1) the evidence of the **presence**, (2) his majestic **presence**

The path to a solid online **presence** necessitates a high technical ability.

## robotic

*adj.* of or relating to mechanical robots; (robotics) the interdisciplinary branch of computer science and engineering with the practical use of robots

*synonym* : automated, mechanical, laborsaving

(1) **robotic** arm, (2) **robotic** guide operation

The surgeon removed the tumor using **robotic** video assistance.

## introduction

*n.* a preliminary explanation or remarks given before the start of a text, performance, or event; the act of bringing something new into existence or introducing something to a wider audience or new market

*synonym* : initiation, preamble, prologue

(1) **introduction** education, (2) self- **introduction**

The **introduction** to the new class was informative and engaging.

## phenomenal

*adj.* extremely good or impressive; outstanding

*synonym*: extraordinary, remarkable, impressive

(1) **phenomenal** success, (2) **phenomenal** growth

The athlete's **phenomenal** performance broke all previous records.

## moving

*adj.* causing strong emotions or feelings, especially sadness or sympathy

*synonym*: emotional, poignant, touching

(1) **moving** experience, (2) **moving** ceremony

His **moving** speech about his struggles with addiction brought tears to the audience's eyes.

## creature

*n.* a living being, especially an animal

*synonym*: being, animal, organism

(1) **creature** of habit, (2) artificial **creature**

The deep sea **creature** was unlike anything the scientists had ever seen before.

## edifice

*n.* a large and imposing building

*synonym*: structure, palace, skyscraper

(1) a sacred **edifice**, (2) add to the **edifice** of knowledge

The city is famous for its magnificent **edifice**.

## magma

*n.* molten rock that is located beneath the earth's surface and can solidify to form igneous rock

*synonym*: molten rock, lava, igneous rock

(1) volcanic **magma**, (2) **magma** flow

**Magma** chambers are large underground reservoirs where molten rock is stored before an eruption.

## chamber

*n.* a large room used for a formal, public, or particular purpose; one of the parts of a parliament

*synonym*: association, cabin, legislature

(1) a gas **chamber**, (2) the lower **chamber**

The surgeon made an incision in the **chambers** of the

patient's heart.

## **limestone**

*n.* a sedimentary rock that is composed mainly of calcium carbonate, which is the mineral calcite

*synonym* : calcareous rock, chalk

(1) sheer **limestone** cliffs, (2) **limestone** pavement

The Great Pyramid of Giza was built using blocks of **limestone**.

## **formation**

*n.* the way something is created naturally or the way it has been arranged

*synonym* : establishment, organization, creation

(1) a rock **formation**, (2) **formation** flight

Character **formation** is one of the goals of education.

## **upside**

*n.* the positive aspect or potential of something; the upper side of something

*synonym* : advantage, benefit, top

(1) have no **upside**, (2) market **upside**

Many people see the **upside** of traveling as an opportunity to experience new cultures and broaden their horizons.

## **underneath**

*adv.* under or below something else

*synonym* : below, under, beneath

(1) **underneath** the surface of the water, (2) **underneath** the laughter

The penny fell **underneath** the piano.

## **tap**

*v.* to hit someone or something quickly, gently, and often repeatedly; to use existing resources, such as energy, knowledge, etc.

*synonym* : knock, exploit, use

(1) **tap** a new market, (2) **tap** keyboard with an index finger

To expand the company, we must **tap** new human resources.

## **ph**

*n.* a measure of the acidity or alkalinity of a substance, on a scale of 0 to 14, with seven being neutral, lower values

indicating greater acidity, and higher values indicating greater alkalinity

*synonym* : acidity, alkalinity, balance

(1) **pH** value of seven, (2) **ph** scale

The **ph** level of this soil is too acidic for these types of plants.

## synthetic

*adj.* made by combining chemical substances as opposed to being naturally occurring

*synonym* : artificial, manufactured, fabricated

(1) **synthetic** fiber, (2) **synthetic** fertilizer

**Synthetic** diamonds play an essential role as machine tool blades.

## extreme

*adj.* very great in amount or degree

*synonym* : farthestmost, outermost, fierce

(1) **extreme** sports, (2) **extreme** weather events

Solar gravity creates **extreme** pressures and temperatures.

## environment

*n.* the natural world such as air, water, and land in which humans, animals, and plants live

*synonym* : atmosphere, surroundings, climate

(1) **environment** affairs, (2) chaotic **environment**

Every human is responsible for taking care of the Earth's **environment**.

## hydrothermal

*adj.* relating to hot water or steam, especially in the Earth's crust, and the thermal energy and chemical reactions that occur as a result

*synonym* : geothermal, thermal, volcanic

(1) **hydrothermal** vents, (2) **hydrothermal** chemistry

The **hydrothermal** activity in this area creates a unique environment for marine creatures.

## vent

*n.* a small opening to escape or release gas, air, liquid, etc.; activity or process that frees or expresses strong creative energy or emotion

*synonym* :

duct, outlet, venthole

(1) volcanic **vent**, (2) **vent** tube

He gave **vent** to his anger by playing the guitar.

## acidic

*adj.* having a pH lower than 7; having characteristics of an acid, such as tasting sour or corroding metal

*synonym* : sour, tart, acrid

(1) **acidic** solution, (2) **acidic** taste

The soil in this region is too **acidic** for most crops to grow well.

## alkaline

*adj.* having a pH greater than 7, meaning it is basic rather than acidic; having properties or characteristics similar to an alkali

*synonym* : basic, caustic, high pH

(1) **alkaline** water, (2) **alkaline** food

An **alkaline** environment is necessary for certain types of plants to grow.

## creative

*adj.* relating to or involving the use of skill and original and unusual ideas to create something

*synonym* : imaginative, innovative, inventive

(1) **creative** writing, (2) barren of **creative** spirit

All the supervisor has to do is assign tasks that make his subordinates more **creative**.

## unbeknownst

*adv.* without the knowledge or awareness of someone; without someone's knowledge or participation

*synonym* : secretly, covertly

(1) **unbeknownst** to me, (2) **unbeknownst** to any of us

**Unbeknownst** to the family, the treasure had been hidden in the attic for years.

## caldera

*n.* a large, basin-shaped volcanic crater typically formed by a massive eruption or the collapse of a volcanic cone, often filled with water to form a lake or isolated ecosystem

*synonym* : volcanic crater, magma chamber

(1) freshwater **caldera**, (2) volcanic **caldera**

The Yellowstone **caldera** is one of the world's largest volcanic craters.

## bathe

*v.* to wash or immerse oneself or another person in the water or a liquid; to expose a part of the body to a natural element, such as sunlight or air

*synonym* : cleanse, soak, immerse

(1) **bathe** in the sea, (2) **bathe** the baby

I always **bathe** my dog after she swims in the lake.

## oblivious

*adj.* not aware of something, especially what is happening around you; forgetful

*synonym* : forgetful, clueless, unaware

(1) **oblivious** of his promise, (2) **oblivious** to our response

She was so engrossed in her work that she was **oblivious** to her surroundings.

## existence

*n.* the state or fact of someone or something existing

*synonym* : fact, being, reality

(1) the biggest tree in **existence**, (2) the struggle for **existence**

He was an atheist and therefore did not believe in the **existence** of heaven or hell.

## recreation

*n.* the activity that renews your health and spirits by enjoyment and relaxation; the act or process of making something that existed in the past exists or seems to exist again in a different time or place

*synonym* : amusement, entertainment, refreshment

(1) outdoor **recreation**, (2) **recreation** of the homeland

Basketball is their usual **recreation** after school.

## gulf

*n.* a large ocean inlet or deep bay that is partially enclosed by land

*synonym* : chasm, divide, abyss

(1) **gulf** war, (2) **gulf** stream

The **Gulf** of Mexico is a body of water in the southern United States.

## bingo

*n.* a game of chance in which players match numbers on a card with randomly drawn numbers to be the first to complete a specific pattern or sequence; sudden realization, success, or achievement

*synonym* : lotto, raffle, sweepstakes

(1) **bingo** game, (2) online **bingo** website

They won big at **bingo** last night, taking home the grand prize.

## brine

*n.* a strong solution of salt water used for preserving food, especially meat or fish; saline water found in salt mines or evaporated from seawater

*synonym* : saltwater, seawater, saline

(1) **brine** solution, (2) **brine** shrimp

The recipe called for a teaspoon of **brine** to add flavor.

## diapir

*n.* a geological formation in which a mass of plastically flowing material, such as magma or salt, rises through the surrounding rock layers due to buoyancy or pressure

*synonym* : diapirism, salt dome, uplift

(1) magma **diapir**, (2) **diapir** movement

The geologist discovered an unusual **diapir** formation during her research.

## methane

*n.* a chemical compound with the chemical formula CH<sub>4</sub> with no smell or color, often used as a fuel

(1) atmospheric **methane**, (2) reduce **methane** emissions

The ignition of **methane** gas in the plant killed five employees.

## belch

*v.* to expel air from the stomach through the mouth with a noisy or offensive sound, typically as a result of swallowing air or because of indigestion

*synonym* : burp, eruct, rumble

(1) **belch** chemical waste into the atmosphere, (2) **belch** loudly

The bubbling mud in the hot spring occasionally **belch** up a foul odor.

## lava

*n.* molten rock that has been extruded from a volcano and solidified; a highly fluid, highly heated substance or material

*synonym* : molten rock, magma, volcanic rock

(1) **lava** flow, (2) molten **lava**

The volcano's eruption caused a **lava** river to flow down the mountainside.

## bubble

*n.* a thin, round, and often transparent mass of gas that is surrounded by a thin layer of liquid; a state of economic or social prosperity that is unsustainable and eventually collapses

*synonym* : blob, balloon, mania

(1) **bubble** in the champagne glass, (2) economic **bubble**

Many people worry that the current real estate market is a **bubble** that could burst soon.

## mud

*n.* a soft, wet, sticky earth or clay

*synonym* : muck, sludge, ooze

(1) **mud** wall, (2) **mud** volcano

The **mud** of the swamp made it difficult to walk through the field.

## titanic

*adj.* of or having a great size, power, or influence; of or relating to Titanium (= a light, strong grey, lustrous, corrosion-resistant metallic element)

*synonym* : colossal, massive, immense

(1) **titanic** battle, (2) **titanic** compound

The **titanic** ship sank on its maiden voyage.



## realization

*n.* the act or process of understanding or becoming aware of something; the act of achieving or completing something that was planned or desired; the act of making something real or tangible

*synonym* : achievement, attainment, understanding

(1) **realization** of a concept, (2) harsh **realization**

Her sudden **realization** of her mistake caused her great regret.

## combine

*v.* to join or merge to form a single thing or group

*synonym* : coalesce, cohere, blend

(1) **combine** chemically with another substance,

(2) **combine** augmented reality

Hydrogen and oxygen **combine** to form water.

## penetrating

*adj.* able to pierce or enter deeply into something; having a sharp, intense quality that cuts through superficiality or confusion

*synonym* : keen, piercing, sharp

(1) **penetrating** gaze, (2) **penetrating** analysis

The **penetrating** smell of freshly brewed coffee filled the room.

## preservation

*n.* the act of keeping something in its original state or of preventing it from being damaged

*synonym* : conserving, protection, conservancy

(1) wildlife **preservation**, (2) the **preservation** of food

The museum had kept the paintings in remarkable **preservation**.

## stern

*adj.* serious, unyielding, or strict in manner or attitude

*synonym* : severe, harsh, strict

(1) **stern** warning, (2) a **stern** look

The students' antics did not amuse the **stern** teacher.

## ancient

*adj.* relating to the long ago, particularly the historical period preceding the fall of the Western Roman Empire; very

old

*synonym* : archaic, age-old, obsolete

(1) pre-Christian **ancient**, (2) **ancient** stories

They have been living near water since **ancient** times.

**mariner**

*n.* a sailor or seaman; someone who works or travels on a boat or ship

*synonym* : sailor, seafarer, navigator

(1) **mariner's** compass, (2) seasoned **mariner**

The experienced **mariner** guided the ship through treacherous waters.

**rout**

*n.* a disorderly retreat or defeat of an army or group; a decisive defeat

*synonym* : defeat, debacle, disaster

(1) **rout** march, (2) cricket team's **rout**

The football team suffered a humiliating **rout** in the championship game.

**suppose**

*v.* to think that something is likely to be actual or possible

*synonym* : guess, assume, presume

(1) **suppose** you're right, (2) **suppose** beforehand

What do you **suppose** the culprit's motive was?

**shipwreck**

*n.* the destruction or loss of a ship at sea, usually caused by sinking or running aground; the remains or wreckage of a ship that has been destroyed or lost at sea

*synonym* : wreckage, ocean disaster

(1) **shipwreck** site, (2) **shipwreck** survivor

Divers discovered the remains of an old **shipwreck** while exploring the reef.

**Christ**

*n.* the man that Christians believe is the prophet and the son of God, and whose life and sermons form the basis for Christianity

*synonym* : Savior, Jesus Christ, Jesus

(1) teaching of **Christ**, (2) before **Christ**

**Christmas** is the day to celebrate the birth of Christ.

## **prefabricated**

*adj.* constructed or made in advance, often in sections or components, before being assembled on-site; manufactured or built in a factory rather than on-site

*synonym*: prebuilt, prefab, factory-made

(1) **prefabricated** building, (2) **prefabricated** home

The new office building was constructed with **prefabricated** materials, which helped save time and money.

## **depot**

*n.* a place or a building where goods, materials, or equipment are stored, manufactured, or distributed; a transportation hub where buses or trains start or end their journeys

*synonym*: warehouse, storage, station

(1) weapon **depot**, (2) food **depot**

The train **depot** was a hub for commuters and travelers.

## **temple**

*n.* a place of worship, especially one that is associated with a particular religion or faith; the flat area on either side of the forehead

*synonym*: shrine, mosque, synagogue

(1) **temple** complex, (2) a tour guide at the **temple**

He visited the **temple** to pray and make offerings to the gods.

## **oxygen**

*n.* the chemical element with the symbol O that is present in air and water and is necessary for people, animals, and plants to live

(1) the hydrogen binds the **oxygen**, (2) lack of **oxygen**

The passenger grabbed for the **oxygen** mask.

## **reservoir**

*n.* a natural or artificial lake used to store water for community use; a large or extra supply of something

*synonym*: pool, supply, repertoire

(1) a **reservoir** of facts, (2) water **reservoir**

The machine pumps up crude oil from a deep underground

**reservoir.**

**hydrogen**

*n.* the chemical element that is the lightest gas is colorless, odorless, tasteless, and combines with oxygen to form water

(1) **hydrogen** gas, (2) heavy **hydrogen**

The **hydrogen** and the oxygen react and then form water.

**sulfur**

*n.* (also sulphur) a chemical element with the symbol S and atomic number 16, found in many minerals and sulfur compounds, often used in the production of fertilizers, rubber, paper, and other industrial applications

(1) **sulfur** dioxide, (2) **sulfur** mine

The **sulfur** emissions from the nearby factory caused the rotten egg smell.

**preserve**

*v.* to keep or maintain a particular quality, feature, etc., especially to prevent it from decaying, being damaged, or being destroyed

*synonym*: conserve, care for, maintain

(1) **preserve** my strength, (2) **preserve** a country's heritage

They worked hard to **preserve** the nature of their native lands.

**organic**

*adj.* of or derived from biological substance; producing plants and animals for food and other items without the use of synthetic chemicals

*synonym*: biological

(1) **organic** soils, (2) eat **organic** food

The kidney is an **organic** component of the body.

**excavate**

*v.* to dig or remove earth, rocks, or other materials from the ground or a site, often to uncover or discover something

*synonym*: dig, unearth, extract

(1) **excavate** a deep hole, (2) **excavate** soil

The archaeologists **excavated** the ruins of an ancient city buried under the desert sands.

## haul

*v.* to physically drag or pull someone or something with effort

*synonym*: drag, pull, tug

(1) **haul** on a rope, (2) **haul** truck

They had to **haul** the boat out of the water for repairs.

## carpenter

*n.* a woodworker whose job is to make or repair wooden objects

*synonym*: woodworker, artisan

(1) a short **carpenter** nail, (2) an apprentice **carpenter**

**Carpenter** bees are boring holes into the wall.

## artifact

*n.* a person-made object, especially one of historical or cultural interest

*synonym*: antique, relic, heirloom

(1) paleolithic **artifacts**, (2) Peruvian **artifacts**

The museum has a vast collection of Greek **artifacts**.

## wax

*n.* a substance that is solid at room temperature but becomes softer and more pliable when heated, often used in the production of candles, polishes, and cosmetics; (verb) to become large

(1) **wax** finish, (2) **wax** and wane

He sealed the letter with a **wax** seal.

## drip

*v.* to fall in drops or make it fall in drops; (noun) liquid or moisture that falls in drops

*synonym*: drop, drizzle, trickle

(1) **drip** liquid, (2) **drip** from the vicious wound

Water is **dripping** from the faucet.

## sealed

*adj.* closed or secured with

*synonym*: closed, impenetrable

(1) **sealed** orders, (2) **sealed** jar

We packed and shipped the product in **sealed** containers.

## fortunate

*adj.* having good luck or lucky

*synonym* : fortuitous, lucky, blessed

(1) **fortunate** situation, (2) less **fortunate** person

He was pretty **fortunate** to pass the exam.

## convince

*v.* to persuade someone or make someone believe that something is true

*synonym* : persuade, win over, convert

(1) **convince** her to go with us, (2) **convince** an opponent

I am considering what I should do to **convince** him.

## Congress

*n.* a formal meeting of the representatives of different countries, constituent states, organizations, trade unions, political parties, or other groups

*synonym* : legislature, parliament, assembly

(1) an international **Congress**, (2) peace **Congress**

**Congress** must consider this proposal in an unusual situation.

## lobby

*n.* a large area inside the entrance of a public building where people can meet and wait; a group of people who try to persuade a politician, the government, or an official group to influence legislation

*synonym* : entrance, hall, anteroom

(1) **lobby** for legislation, (2) a hotel **lobby**

That **lobby** group actively advocated environmental protection to the government.

## naval

*adj.* of or relating to ships, sailors, or the navy

*synonym* : marine, seafaring, maritime

(1) **naval** battles, (2) **naval** base

The **naval** officer was responsible for the safety and well-being of the crew on his ship.

## explorer

*n.* a person who travels to places where no one or few people have been before to find out what is there

*synonym* : adventurer, trailblazer, scout

(1) team of **explorers**, (2) a polar **explorer**

Aboriginal people killed the **explorer** who entered the sacred land for them.

## territorial

*adj.* related to a specific country's ownership of land or water

*synonym*: provincial

(1) **territorial** integrity, (2) **territorial** aggression

The ship will not enter Chinese **territorial** seas.

## Venus

*n.* the planet second in order from the sun

(1) **Venus** orbiter, (2) surface of **Venus**

They launched a rocket toward **Venus**.

## emergency

*n.* a sudden unforeseen crisis usually involving danger that requires immediate action

*synonym*: crisis, trouble, difficulty

(1) **emergency** action, (2) acute **emergency**

The president declared a state of **emergency**.

## command

*n.* authority, control, or mastery over something, often referring to military or leadership contexts; a directive, order, or instruction; expertise or confidence in a specific area; (verb) to give an authoritative order or instruction, or to be in charge or control of something

*synonym*: control, authority, leadership

(1) **command** and control, (2) **command** a battery

The general gave a **command** to his troops to prepare for battle.

## bandwidth

*n.* the amount of data that can be transmitted or processed at one time often used to describe the capacity of electronic communication or computing systems

*synonym*: capacity, data transfer rate, network speed

(1) **bandwidth** allocation, (2) increase **bandwidth**

I don't have the **bandwidth** to take on any new projects, as I'm already working on multiple assignments.

## satellite

*n.* an electronic device that is sent up into space and moves around the Earth or another planet, used for gathering information or communicating by radio, television, etc.

*synonym* : orbiter, asteroid, moon

(1) a GPS **satellite**, (2) a meteorological **satellite**

Launching an artificial **satellite** contributed to the technological development of our country.

## interspace

*n.* the space between objects or parts, especially between two closely positioned objects; an interval or gap between two things

*synonym* : gap, interval, space

(1) **interspace** for natural light, (2) **interspace** between teeth

The surgeon made an incision in the **interspace** between two ribs to access the patient's lungs.

## nuclear

*adj.* of or relating to or constituting the nucleus of an atom; deriving destructive energy from the release of atomic energy

*synonym* : atomic

(1) **nuclear** fusion, (2) use of **nuclear** power

Many countries have now agreed to a treaty banning the use of **nuclear** weapons.

## instantly

*adv.* immediately

*synonym* : immediately, right away, directly

(1) **instantly** cope with, (2) be killed **instantly**

I remembered that person **instantly** and never forgot.

## highway

*n.* a main road, especially one connecting major towns or cities

*synonym* : road, expressway, freeway

(1) **highway** system, (2) an interstate **highway**

I'm going to take the **highway** to get to my destination faster.



- dirt** *n.* soil, dust, or any substance that makes a surface not clean; the part of the earth's surface consisting of humus and disintegrated rock  
*synonym* : filth, grime, muck  
(1) **dirt** road, (2) **dirt** track  
The garden was filled with **dirt** and needed to be tilled before planting.
- blank** *adj.* without any writing or printing; empty or devoid of ideas, information, or meaning; unable to remember or recall information  
*synonym* : empty, void, barren  
(1) **blank** expression, (2) **blank** paper  
The computer screen displayed nothing but a **blank** white screen
- disseminate** *v.* to spread or distribute widely, especially information or ideas; to scatter or disperse  
*synonym* : spread, circulate, propagate  
(1) **disseminate** propaganda, (2) **disseminate** knowledge  
It is important to **disseminate** accurate information to the public to prevent false rumors from spreading.
- oceanography** *n.* the scientific study of oceans and other bodies of saltwater, including their physical, chemical, and biological characteristics, as well as their interactions with the atmosphere and land  
*synonym* : marine science, oceanology, oceanic research  
(1) **oceanography** data, (2) **oceanography** expedition  
The **oceanography** research center is dedicated to studying the impacts of climate change on the ocean's ecosystem.
- intellect** *n.* the ability to think logically and comprehend information, especially at an advanced level  
*synonym* : mind, brightness, cleverness  
(1) enrich my **intellect**, (2) human **intellect**  
Your **intellect** is capable of distinguishing among similar

objects.

## excitement

*n.* a feeling of great enthusiasm and eagerness

*synonym*: thrill, exhilaration, incitement

(1) the **excitement** in the business world, (2) aesthetic **excitement**

The **excitement** of the upcoming concert was palpable among the crowd.

## motivate

*v.* to make someone want to do something, especially something that requires tremendous work and effort

*synonym*: boost, encourage, inspire

(1) **motivate** the students, (2) all ability to **motivate**

The ability to **motivate** people is a priceless asset.

## excite

*v.* to make someone feel suddenly enthusiastic or eager

*synonym*: thrill, exhilarate, animate

(1) **excite** the crowd, (2) **excite** rebellion

The news of her promotion **excited** her.

## license

*n.* an official permission or authorization to do, use, or own something; a legal document that grants the holder the right to perform certain activities, such as driving a car, practicing a profession, or using a particular product or service

*synonym*: permit, authorization, certificate

(1) **license** renewal, (2) software **license**

Before driving, ensure you have a valid driver's **license**.

## stiff

*adj.* not easily bent, flexible, or pliable; difficult to move or be maneuvered; difficult to relax; having a heavy or formal manner

*synonym*: rigid, inflexible, unbending

(1) **stiff** muscles, (2) **stiff** penalty

Her body felt **stiff** after sitting at her desk for hours without moving.

## competition

*n.* a situation in which someone is attempting to beat or outperform another

*synonym* : contest, match, fight

(1) the first round of the **competition**, (2) intraspecific **competition**

Global **competition** is rising in virtually every industry.

## engineer

*n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software

*synonym* : architect, creator, builder

(1) a civil **engineer**, (2) **engineer** shortage

The **engineer** will repair my telephone tomorrow morning.

## pump

*v.* to cause water, air, gas, etc. to move from one place to another by using mechanical equipment; to get or supply something such as money, information, etc. in significant quantities

*synonym* : drain, inject, send

(1) **pump** a secret out of success, (2) **pump** blood throughout the body

He was alert and could not **pump** any critical information out of him.

## dawning

*adj.* relating to or occurring at the beginning or early stages of something; characterized by the first appearance of light or knowledge; (noun) the beginning or first appearance of something

*synonym* : emerging, beginning

(1) the **dawning** of the Internet age, (2) **dawning** awareness

The **dawning** realization of their mistake was evident on their faces.

## jaw

*n.* either of the two bones at the bottom of the face that moves when you open your mouth; (verb) talk socially without exchanging too much information

*synonym* : mouth, (verb) chitchat

(1) snatch victory from the **jaws** of defeat, (2) **jaw** muscle  
He dropped his **jaw** at the unexpected sight.

## colon

*n.* the punctuation mark ( : ) used to introduce a list, summary, explanation, etc., or before reporting what someone has said; a significant part of the large intestine, the final section of the digestive system

(1) **colon** examination, (2) the **colon** at the end of the sentence

Consumption of vegetables may aid in the prevention of **colon** cancer.

## colonize

*v.* to establish a colony in or on a specific place; to settle or occupy in large numbers

*synonym* : settle, occupy, inhabit

(1) **colonize** planets, (2) **colonize** for cultivation

European powers **colonized** much of the Americas in the 16th and 17th centuries.

## Session 2: Spelling

- |                                 |   |
|---------------------------------|---|
| 1. pre_____ion slides           | <i>n.</i> the act of formally introducing or displaying something to others; the manner in which something is presented or given visually, verbally, or otherwise |
| 2. the struggle for ex_____ce   | <i>n.</i> the state or fact of someone or something existing  |
| 3. pre_____ion skills           | <i>n.</i> the act of formally introducing or displaying something to others; the manner in which something is presented or given visually, verbally, or otherwise |
| 4. ex_____e weather events      | <i>adj.</i> very great in amount or degree  |
| 5. r__t march                   | <i>n.</i> a disorderly retreat or defeat of an army or group; a decisive defeat   |
| 6. mo___n lava                  | <i>adj.</i> in a liquid state as a result of being heated   |
| 7. collision te_____cs          | <i>n.</i> the study of the processes that shape the Earth's surface, including the movements of tectonic plates, earthquakes, and volcanic activity               |
| 8. legal co_____t               | <i>n.</i> the circumstances, facts, or conditions that surround a particular event, situation, or statement and that give it meaning                              |
| 9. go to the workplace by cy__e | <i>n.</i> an interval during which a recurring sequence of events occurs; a bicycle or motorcycle   |

ANSWERS: 1. presentation, 2. existence, 3. presentation, 4. extreme, 5. rout, 6. molten, 7. tectonics, 8. context, 9. cycle

10. a test pi\_\_t *n.* a person who flies an aircraft, especially as a job; a person qualified to guide ships through a difficult area of water
11. st\_\_n warning *adj.* serious, unyielding, or strict in manner or attitude
12. flavored vo\_\_a *n.* a distilled alcoholic beverage made from fermented grains or potatoes, typically with high alcohol content and little or no added flavoring
13. the pre\_\_\_\_\_ion of food *n.* the act of keeping something in its original state or of preventing it from being damaged
14. co\_\_\_\_\_ze planets *v.* to establish a colony in or on a specific place; to settle or occupy in large numbers
15. co\_\_\_\_\_ce an opponent *v.* to persuade someone or make someone believe that something is true
16. se\_\_\_\_\_te video into chapter *v.* to force, take, or pull apart; mark as different
17. a capillary t\_\_e *n.* a cylindrical container of metal, plastic, glass, etc., usually sealed and used as a means of preserving food or chemicals; a hollow cylindrical shape
18. pu\_\_h out numbers *v.* to strike someone or something with one's fist; to make a hole in something
19. oc\_\_\_\_\_c exploration *adj.* relating to or characteristic of the ocean or its inhabitants; having to do with the vast expanse of saltwater that covers most of the Earth's surface

ANSWERS: 10. pilot, 11. stern, 12. vodka, 13. preservation, 14. colonize, 15. convince, 16. separate, 17. tube, 18. punch, 19. oceanic

20. co\_\_\_\_ze for cultivation *v.* to establish a colony in or on a specific place; to settle or occupy in large numbers
21. up\_\_\_\_t mountains *n.* the process of raising land to a higher elevation, or the result of this process; (verb) fill with high spirits
22. the blind g\_t *n.* the long tube in the body of a person or animal through which food passes when it leaves the stomach; the mental strength or bravery required to do something difficult or unpleasant
23. intellectual f\_\_t *n.* a notable or impressive achievement, especially one that requires great skill or bravery
24. cl\_\_f diving *n.* a steep rock face, especially one at the edge of the sea or a river
25. ac\_\_\_\_c taste *adj.* having a pH lower than 7; having characteristics of an acid, such as tasting sour or corroding metal
26. ig\_\_\_\_e a ban *v.* to intentionally not listen or pay attention to
27. fo\_\_\_\_\_te situation *adj.* having good luck or lucky
28. upper ast\_\_\_\_\_ere *n.* the upper layer of the Earth's mantle, located below the lithosphere, where the solid rock is relatively soft and can flow slowly under intense heat and pressure
29. bl\_\_k paper *adj.* without any writing or printing; empty or devoid of ideas, information, or meaning; unable to remember or recall information

ANSWERS: 20. colonize, 21. uplift, 22. gut, 23. feat, 24. cliff, 25. acidic, 26. ignore, 27. fortunate, 28. asthenosphere, 29. blank

30. hi\_\_\_\_y system *n.* a main road, especially one connecting major towns or cities
31. passing gl\_\_\_\_e *n.* a brief or partial view; the act of seeing something or someone for a very short time or only partly
32. a coordinate a\_\_s *n.* a real or imaginary straight line through a body or figure around which the object turns; a group of countries in special alliance
33. na\_\_l battles *adj.* of or relating to ships, sailors, or the navy
34. na\_\_e belief *adj.* showing unaffected simplicity and lack of experience, wisdom, or judgment
35. lo\_\_\_\_l conclusion *adj.* characterized by clear and sound reasoning; following a rational and systematic approach; based on or in accordance with logic or reason
36. p\_\_p blood throughout the body *v.* to cause water, air, gas, etc. to move from one place to another by using mechanical equipment; to get or supply something such as money, information, etc. in significant quantities
37. market up\_\_\_\_e *n.* the positive aspect or potential of something; the upper side of something
38. oce\_\_\_\_phy expedition *n.* the scientific study of oceans and other bodies of saltwater, including their physical, chemical, and biological characteristics, as well as their interactions with the atmosphere and land

ANSWERS: 30. highway, 31. glimpse, 32. axis, 33. naval, 34. naive, 35. logical, 36. pump, 37. upside, 38. oceanography



39. snatch victory from the j\_ws of defeat  
*n.* either of the two bones at the bottom of the face that moves when you open your mouth; (verb) talk socially without exchanging too much information
40. und\_\_\_\_\_th the surface of the water  
*adv.* under or below something else
41. cerebral hem\_\_\_\_\_re  
*n.* half of the terrestrial globe; half of a sphere
42. co\_\_\_\_\_d a battery  
*n.* authority, control, or mastery over something, often referring to military or leadership contexts; a directive, order, or instruction; expertise or confidence in a specific area; (verb) to give an authoritative order or instruction, or to be in charge or control of something
43. limited jur\_\_\_\_\_ion  
*n.* the extent or range of authority, power, or control exercised by a particular entity or organization, such as a government or court; the area within which such authority or control is exercised
44. sub\_\_\_\_\_le pump  
*adj.* able to be operated or used underwater; capable of being submerged in water or other liquid
45. geo\_\_\_\_\_al exploration  
*adj.* relating to the physical characteristics and processes of the Earth and its surrounding atmospheres, such as geology, meteorology, and oceanography
46. the bo\_\_\_\_\_ry between reality and fantasy  
*n.* a real or imaginary line that marks the limit or extent of something and separates it from other things or places

ANSWERS: 39. jaw, 40. underneath, 41. hemisphere, 42. command, 43. jurisdiction, 44. submersible, 45. geophysical, 46. boundary

47. co\_\_\_\_e head-on *v.* to hit something violently when moving
48. phe\_\_\_\_\_lly quick *adv.* extremely or exceptionally, especially in a way that is surprising
49. ro\_\_\_\_c arm *adj.* of or relating to mechanical robots; (robotics) the interdisciplinary branch of computer science and engineering with the practical use of robots
50. pathogenic ba\_\_\_\_ia *n.* single-celled or noncellular spherical or spiral or rod-shaped organisms that exist in large numbers in the air, water, and soil, and also in living and dead creatures and plants, and are often a cause of disease
51. gi\_\_t tech company *adj.* enormous; much bigger or more important than similar items usually are
52. cr\_\_h a revolt *v.* to press it firmly, usually with your hands or a tool, so that it becomes flat or smaller
53. volcanic ma\_\_a *n.* molten rock that is located beneath the earth's surface and can solidify to form igneous rock
54. harmless ba\_\_\_\_ia *n.* single-celled or noncellular spherical or spiral or rod-shaped organisms that exist in large numbers in the air, water, and soil, and also in living and dead creatures and plants, and are often a cause of disease
55. wiggly w\_\_ms *n.* a long, thin creature with a soft and long cylindrical tube-like body, no limbs, and a lack of eyes

ANSWERS: 47. collide, 48. phenomenally, 49. robotic, 50. bacteria, 51. giant, 52. crush, 53. magma, 54. bacteria, 55. worm

56. al\_\_\_\_ne food *adj.* having a pH greater than 7, meaning it is basic rather than acidic; having properties or characteristics similar to an alkali
57. atmospheric me\_\_\_\_e *n.* a chemical compound with the chemical formula CH<sub>4</sub> with no smell or color, often used as a fuel
58. z\_\_e defense *n.* a specific area, region, or section that is marked off or defined in some way
59. human in\_\_\_\_ct *n.* the ability to think logically and comprehend information, especially at an advanced level
60. a ch\_\_\_\_al compound *adj.* relating to or connected with chemistry;
61. circular sy\_\_\_\_ne *n.* a geological fold or rock formation in which the layers of rock are bent or curved downward, creating a concave shape resembling a trough or basin
62. end of the first qu\_\_\_\_r *n.* one of four equal parts; a fourth part or portion
63. volcanic v\_\_t *n.* a small opening to escape or release gas, air, liquid, etc.; activity or process that frees or expresses strong creative energy or emotion
64. bachelor's de\_\_\_\_e *n.* a unit of measurement for angles, temperature, or level of proficiency or achievement; a rank or level of academic or professional attainment
65. enr\_\_\_\_ed at the sight *adj.* feeling great pleasure, happiness, or joy

ANSWERS: 56. alkaline, 57. methane, 58. zone, 59. intellect, 60. chemical, 61. syncline, 62. quarter, 63. vent, 64. degree, 65. enraptured

66. ex\_\_\_\_e the world                    *v.* to travel to or penetrate an area or a country to learn about it; to thoroughly examine a subject or a possibility to learn more about it
67. dr\_\_t down the stream                *v.* to move smoothly and slowly in water or air, especially as a result of outside forces, with no control over the direction
68. st\_\_f penalty                         *adj.* not easily bent, flexible, or pliable; difficult to move or be maneuvered; difficult to relax; having a heavy or formal manner
69. be killed in\_\_\_\_ly                    *adv.* immediately
70. cr\_\_t formation                        *n.* a hard outer layer that forms on the surface of a liquid as it cools or on a solid as a result of exposure to air or moisture
71. Appalachian sy\_\_\_\_ne                *n.* a geological fold or rock formation in which the layers of rock are bent or curved downward, creating a concave shape resembling a trough or basin
72. p\_g in the ground                     *n.* a small cylindrical or tapered pin used to fasten or secure something, such as clothing, on a line, or in carpentry and woodworking; (verb) to fasten or secure something using a peg or similar object; to mark or indicate a level or position using a peg or similar object
73. the most am\_\_\_\_g feeling             *adj.* extremely surprising, especially in a way that you like or admire

ANSWERS: 66. explore, 67. drift, 68. stiff, 69. instantly, 70. crust, 71. syncline, 72. peg, 73. amazing

74. an imp\_\_\_\_\_ve array of facts      *adj.* arousing admiration due to size, quality, or skill
75. f\_\_t accomplishment      *n.* a notable or impressive achievement, especially one that requires great skill or bravery
76. save the pl\_\_\_\_t      *n.* any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star
77. co\_\_\_\_r belt      *n.* a chemical element that is a soft, malleable, and ductile metal with very high thermal and electrical conductivity
78. completely im\_\_\_\_\_e the ingredient      *v.* to become fully involved in a particular activity; to dip or submerge in a liquid, especially so that they or it are entirely covered
79. a su\_\_\_\_\_ne volcano      *n.* a type of underwater vehicle or vessel that can operate beneath the surface of the water; (adjective) beneath the surface of the sea
80. da\_\_\_\_\_g awareness      *adj.* relating to or occurring at the beginning or early stages of something; characterized by the first appearance of light or knowledge; (noun) the beginning or first appearance of something
81. pu\_\_h a ticket      *v.* to strike someone or something with one's fist; to make a hole in something
82. a con\_\_\_\_\_ly innovative enterprise      *adv.* all the time
83. une\_\_\_\_\_ed cave      *adj.* not yet examined, investigated, or studied; lacking in knowledge or information; unknown or undiscovered

ANSWERS: 74. impressive, 75. feat, 76. planet, 77. copper, 78. immerse, 79. submarine, 80. dawning, 81. punch, 82. constantly, 83. unexplored

84. make a pi\_\_h for a new product      *n.* the property of sound that varies with variation in the frequency of vibration; the degree of a slope, especially of a roof; short presentation for selling or sharing something
85. gl\_\_\_y expression      *adj.* characterized by a lack of light or sunshine, resulting in a dark or dim atmosphere; feeling despondent, dismal, or melancholy
86. sheer li\_\_\_\_\_ne cliffs      *n.* a sedimentary rock that is composed mainly of calcium carbonate, which is the mineral calcite
87. ab\_\_\_\_\_e from work      *n.* the fact or condition of being away from a place where they are typically anticipated to be
88. se\_\_\_d jar      *adj.* closed or secured with
89. g\_t feelings      *n.* the long tube in the body of a person or animal through which food passes when it leaves the stomach; the mental strength or bravery required to do something difficult or unpleasant
90. the ma\_\_\_\_\_de of the disaster      *n.* the extent, level, importance, or amount of something
91. before Ch\_\_\_t      *n.* the man that Christians believe is the prophet and the son of God, and whose life and sermons form the basis for Christianity
92. la\_\_\_\_\_l communication      *adj.* relating to or situated on the side; moving or extending sideways; involving or relating to the transfer of information or responsibilities between individuals or departments within an organization

ANSWERS: 84. pitch, 85. gloomy, 86. limestone, 87. absence, 88. sealed, 89. gut, 90. magnitude, 91. Christ, 92. lateral

93. a con\_\_\_\_\_ly varying mind *adv.* all the time
94. cause an ac\_\_\_\_\_nt *n.* an unfortunate event, especially one causing damage or injury
95. bo\_\_\_\_g day *adj.* lacking interest or excitement; tedious or dull
96. h\_\_l truck *v.* to physically drag or pull someone or something with effort
97. pr\_\_\_\_\_t the future *v.* to state beforehand that something will happen in the future, mainly based on knowledge or experience
98. a sacred ed\_\_\_\_\_e *n.* a large and imposing building
99. a wise old dw\_\_f *n.* a person or animal that is much smaller than usual or expected for its type; a celestial body, especially a planet, that is smaller and less massive than a star
100. pro\_\_\_\_\_on mapping *n.* the act of calculating or guessing, or the state of being estimated; any solid shape or object that juts out from something; an image on a screen cast from something
101. com\_\_\_\_\_on garment *n.* the act or process of pressing or squeezing something together, often using force or pressure; (of physics) the reduction of volume or increase in pressure of a gas or fluid
102. d\_\_p from the vicious wound *v.* to fall in drops or make it fall in drops; (noun) liquid or moisture that falls in drops

ANSWERS: 93. constantly, 94. accident, 95. boring, 96. haul, 97. predict, 98. edifice, 99. dwarf, 100. projection, 101. compression, 102. drip

103. ro\_\_\_\_c guide operation *adj.* of or relating to mechanical robots; (robotics) the interdisciplinary branch of computer science and engineering with the practical use of robots
104. the co\_\_n at the end of the sentence *n.* the punctuation mark ( : ) used to introduce a list, summary, explanation, etc., or before reporting what someone has said; a significant part of the large intestine, the final section of the digestive system
105. br\_\_e shrimp *n.* a strong solution of salt water used for preserving food, especially meat or fish; saline water found in salt mines or evaporated from seawater
106. add to the ed\_\_\_\_e of knowledge *n.* a large and imposing building
107. inc\_\_\_\_le amount *adj.* unbelievable; enormous
108. a di\_\_\_\_ve enzyme *adj.* relating to or capable of causing or promoting digestion of food
109. pi\_\_\_\_e barrel *n.* vegetables or fruit preserved in salty water or vinegar served cold with meat, salads, etc.; informal terms for a difficult situation
110. basin-shaped va\_\_\_\_y *n.* a long depression on the surface of the land, which typically contains a river
111. co\_\_\_\_r alloy *n.* a chemical element that is a soft, malleable, and ductile metal with very high thermal and electrical conductivity
112. ig\_\_\_\_e her advice *v.* to intentionally not listen or pay attention to

ANSWERS: 103. robotic, 104. colon, 105. brine, 106. edifice, 107. incredible, 108. digestive, 109. pickle, 110. valley, 111. copper, 112. ignore



113. pr\_\_\_\_\_t when she will arrive      *v.* to state beforehand that something will happen in the future, mainly based on knowledge or experience
114. ec\_\_\_\_\_y class      *n.* the system by which a country or region produces manages, and distributes goods and services, including the money and finances involved in these activities; (of an airline) the lowest-priced, most basic option for seating in commercial travel
115. or\_\_\_\_\_c soils      *adj.* of or derived from biological substance; producing plants and animals for food and other items without the use of synthetic chemicals
116. sy\_\_\_\_\_is of ammonia      *n.* the combination of components or elements to form a more complex whole; the creation of something new through combining parts or elements
117. na\_\_e mistake      *adj.* showing unaffected simplicity and lack of experience, wisdom, or judgment
118. the local chamber of co\_\_\_\_\_ce      *n.* the activity of buying and selling things, especially on a large scale
119. a low-pi\_\_hed sound      *n.* the property of sound that varies with variation in the frequency of vibration; the degree of a slope, especially of a roof; short presentation for selling or sharing something
120. as\_\_\_e an important role      *v.* to think or accept something to be true without having proof of it; to take or begin to have power; to begin to exhibit a specific quality or appearance

ANSWERS: 113. predict, 114. economy, 115. organic, 116. synthesis, 117. naive, 118. commerce, 119. pitch, 120. assume

121. process of pho\_\_\_\_\_sis      *n.* the process through which plants and other organisms transform light energy into chemical energy, which is then released through cellular respiration to power the organism's activities.
122. a ro\_\_e detective      *n.* a deceitful and unreliable person; a person who behaves badly
123. al\_\_\_\_\_ne water      *adj.* having a pH greater than 7, meaning it is basic rather than acidic; having properties or characteristics similar to an alkali
124. sta\_\_\_\_\_cs for cancer      *n.* the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data
125. enrich my in\_\_\_\_\_ct      *n.* the ability to think logically and comprehend information, especially at an advanced level
126. dis\_\_\_\_\_te knowledge      *v.* to spread or distribute widely, especially information or ideas; to scatter or disperse
127. d\_\_e into anime communities      *v.* to jump into the water with your head and arms going in first, or to move down to a deeper level underwater
128. ex\_\_\_\_\_e our options      *v.* to travel to or penetrate an area or a country to learn about it; to thoroughly examine a subject or a possibility to learn more about it
129. pr\_\_\_\_\_ve a country's heritage      *v.* to keep or maintain a particular quality, feature, etc., especially to prevent it from decaying, being damaged, or being destroyed

ANSWERS: 121. photosynthesis, 122. rogue, 123. alkaline, 124. statistics, 125. intellect, 126. disseminate, 127. dive, 128. explore, 129. preserve

130. su\_\_\_\_\_e you're right      *v.* to think that something is likely to be actual or possible
131. protein sy\_\_\_\_\_is inhibitor      *n.* the combination of components or elements to form a more complex whole; the creation of something new through combining parts or elements
132. pH value of seven      *n.* a measure of the acidity or alkalinity of a substance, on a scale of 0 to 14, with seven being neutral, lower values indicating greater acidity, and higher values indicating greater alkalinity
133. sh\_\_\_\_\_ck site      *n.* the destruction or loss of a ship at sea, usually caused by sinking or running aground; the remains or wreckage of a ship that has been destroyed or lost at sea
134. ve\_\_\_\_\_al axis      *adj.* upright or perpendicular to a horizontal surface or line
135. the inland of a co\_\_\_\_\_nt      *n.* one of the earth's large landmasses; (adjective) abstaining from your feelings, especially your desire to have sex
136. daily co\_\_\_\_\_e      *v.* to regularly travel a particular journey, especially between one's home and place of work; (noun) a regular journey of some distance to and from your place of work
137. bl\_\_\_\_\_r treatment      *n.* a small, fluid-filled bubble on the skin caused by friction, burning, or other skin irritation; can also refer to a similar bubble found in other materials; (verb) to become covered with blisters or to cause blisters to form; to criticize or rebuke severely

ANSWERS: 130. suppose, 131. synthesis, 132. ph, 133. shipwreck, 134. vertical, 135. continent, 136. commute, 137. blister

138. ex\_\_\_e rebellion *v.* to make someone feel suddenly enthusiastic or eager
139. animal an\_\_\_\_y *n.* the scientific study that deals with the physical structure of humans, animals, or plants
140. s\_\_k a buzzer-beater *v.* to submerge or go down below the surface of a liquid or substance; to decline or deteriorate; to cause something to go down into a liquid substance or sink into something else
141. the great di\_\_\_\_\_ry of the century *n.* the act or process of finding information, a place, or an object, or learning about something that was previously not known
142. gi\_\_t trees *adj.* enormous; much bigger or more important than similar items usually are
143. injury in a car ac\_\_\_\_\_nt *n.* an unfortunate event, especially one causing damage or injury
144. m\_r a proper relationship *v.* to damage or spoil the appearance or surface of something
145. la\_\_\_\_\_l incisor *adj.* relating to or situated on the side; moving or extending sideways; involving or relating to the transfer of information or responsibilities between individuals or departments within an organization
146. crack of d\_\_n *n.* the time of day when the sun's light starts to show in the sky
147. r\_p a hole in the roof *v.* to tear something or be torn violently or suddenly

ANSWERS: 138. excite, 139. anatomy, 140. sink, 141. discovery, 142. giant, 143. accident, 144. mar, 145. lateral, 146. dawn, 147. rip

148. paleolithic ar\_\_\_\_\_cts *n.* a person-made object, especially one of historical or cultural interest
149. detailed exp\_\_\_\_\_on *n.* the information or arguments that someone provides to make something understandable or clear
150. g\_\_f war *n.* a large ocean inlet or deep bay that is partially enclosed by land
151. former co\_\_\_\_\_ue *n.* one of a group of a coworker, especially in a profession or a business
152. co\_\_\_\_\_e to work *v.* to regularly travel a particular journey, especially between one's home and place of work; (noun) a regular journey of some distance to and from your place of work
153. mo\_\_\_\_g ceremony *adj.* causing strong emotions or feelings, especially sadness or sympathy
154. Peruvian ar\_\_\_\_\_cts *n.* a person-made object, especially one of historical or cultural interest
155. g\_\_f stream *n.* a large ocean inlet or deep bay that is partially enclosed by land
156. public ri\_\_\_\_\_le *n.* speech or behavior that makes fun of or mocks someone or something; teasing, sarcasm, or scornful remarks that are intended to belittle or humiliate; (verb) to mock, criticize, or make fun of someone or something in a scornful or derisive way
157. a leave of ab\_\_\_\_\_e *n.* the fact or condition of being away from a place where they are typically anticipated to be

ANSWERS: 148. artifact, 149. explanation, 150. gulf, 151. colleague, 152. commute, 153. moving, 154. artifact, 155. gulf, 156. ridicule, 157. absence

158. h\_\_l on a rope *v.* to physically drag or pull someone or something with effort
159. a former p\_\_t of farmland *n.* a map or a plan that shows the division and layout of land into lots or parcels; a piece of land typically used for building or agricultural purposes
160. co\_\_\_\_\_e chemically with another substance *v.* to join or merge to form a single thing or group
161. imp\_\_\_\_\_ve performances *adj.* arousing admiration due to size, quality, or skill
162. ti\_\_\_\_\_c compound *adj.* of or having a great size, power, or influence; of or relating to Titanium (= a light, strong grey, lustrous, corrosion-resistant metallic element)
163. weapon de\_\_t *n.* a place or a building where goods, materials, or equipment are stored, manufactured, or distributed; a transportation hub where buses or trains start or end their journeys
164. yield cu\_\_e *n.* a bend or angle in a line or surface that deviates from a straight or flat path; a gradual or smooth change in direction or shape
165. gov\_\_\_\_\_nt bureaucracy *n.* the group of people with authority to control a country or state
166. co\_\_\_\_\_d and control *n.* authority, control, or mastery over something, often referring to military or leadership contexts; a directive, order, or instruction; expertise or confidence in a specific area; (verb) to give an authoritative order or instruction, or to be in charge or control of something

ANSWERS: 158. haul, 159. plat, 160. combine, 161. impressive, 162. titanic, 163. depot, 164. curve, 165. government, 166. command

167. for\_\_\_\_\_yde odor *n.* a colorless, flammable liquid with a strong, pungent smell used as a preservative and in the manufacture of various products
168. a GPS sa\_\_\_\_\_te *n.* an electronic device that is sent up into space and moves around the Earth or another planet, used for gathering information or communicating by radio, television, etc.
169. atm\_\_\_\_\_ic pressure *adj.* about or located in the earth's atmosphere
170. students at all gr\_\_e levels *n.* a particular level of quality, size, importance, etc.
171. the first round of the com\_\_\_\_\_on *n.* a situation in which someone is attempting to beat or outperform another
172. ma\_\_\_\_\_r's compass *n.* a sailor or seaman; someone who works or travels on a boat or ship
173. the de\_\_h of the water *n.* the distance between the top and bottom of something; between the top surface and a distance below it
174. Ve\_\_s orbiter *n.* the planet second in order from the sun
175. aesthetic exc\_\_\_\_\_nt *n.* a feeling of great enthusiasm and eagerness
176. a good grounding in mat\_\_\_\_\_cs *n.* the science dealing with the logic of quantities, shapes, spaces, and arrangement
177. m\_d volcano *n.* a soft, wet, sticky earth or clay

ANSWERS: 167. formaldehyde, 168. satellite, 169. atmospheric, 170. grade, 171. competition, 172. mariner, 173. depth, 174. Venus, 175. excitement, 176. mathematics, 177. mud

178. a momentary gl\_\_\_\_\_e      *n.* a brief or partial view; the act of seeing something or someone for a very short time or only partly
179. rec\_\_\_\_\_on of the homeland      *n.* the activity that renews your health and spirits by enjoyment and relaxation; the act or process of making something that existed in the past exists or seems to exist again in a different time or place
180. loss of muscle ti\_\_\_\_\_e      *n.* an ensemble of similar cells of the animal or plant that together carry out a specific function
181. se\_\_\_\_\_ll ornament      *n.* a type of shell that once housed a mollusk, typically found on beaches or in shallow water
182. z\_\_c deficiency      *n.* a metallic element that is found in small amounts in the earth's crust and is used in the manufacture of brass and alloys, and is required to maintain human's health
183. the cy\_\_e of the seasons      *n.* an interval during which a recurring sequence of events occurs; a bicycle or motorcycle
184. pen\_\_\_\_\_ng gaze      *adj.* able to pierce or enter deeply into something; having a sharp, intense quality that cuts through superficiality or confusion
185. pr\_\_\_\_\_ve my strength      *v.* to keep or maintain a particular quality, feature, etc., especially to prevent it from decaying, being damaged, or being destroyed

ANSWERS: 178. glimpse, 179. recreation, 180. tissue, 181. seashell, 182. zinc, 183. cycle, 184. penetrating, 185. preserve



186. p\_\_t book *n.* a map or a plan that shows the division and layout of land into lots or parcels; a piece of land typically used for building or agricultural purposes
187. phe\_\_\_\_\_al growth *adj.* extremely good or impressive; outstanding
188. an\_\_\_\_\_y of a country's collapse *n.* the scientific study that deals with the physical structure of humans, animals, or plants
189. tre\_\_\_\_\_us amount *adj.* very great in degree or extent or amount or impact; extremely good
190. he\_\_\_n on earth *n.* (of various religious and mythological traditions) a place or state of existence considered to be the abode of the divine, the afterlife, or a higher realm of being; a state of great happiness, contentment, or beauty
191. te\_\_\_\_\_n headache *n.* a state of mental or emotional strain or excitement; the state of being stretched tight
192. geographical bo\_\_\_\_\_ry *n.* a real or imaginary line that marks the limit or extent of something and separates it from other things or places
193. the s\_\_m on the shoulder *n.* a line of stitching or joining where two pieces of fabric or material are united; also, a narrow furrow or fissure in rock or soil
194. v\_\_t tube *n.* a small opening to escape or release gas, air, liquid, etc.; activity or process that frees or expresses strong creative energy or emotion

ANSWERS: 186. plat, 187. phenomenal, 188. anatomy, 189. tremendous, 190. heaven, 191. tension, 192. boundary, 193. seam, 194. vent

195. the earth's cr\_\_t *n.* a hard outer layer that forms on the surface of a liquid as it cools or on a solid as a result of exposure to air or moisture
196. the hope of et\_\_\_\_l life *adj.* being without beginning or end; lasting forever
197. lu\_\_\_\_us behavior *adj.* so ridiculous, unreasonable, or out of place as to be amusing; absurd
198. his majestic pr\_\_\_\_ce *n.* the fact or state that someone or something exists, occurs, or is present
199. reduce me\_\_\_\_e emissions *n.* a chemical compound with the chemical formula CH<sub>4</sub> with no smell or color, often used as a fuel
200. sy\_\_\_\_ic fiber *adj.* made by combining chemical substances as opposed to being naturally occurring
201. aerobic or\_\_\_\_sm *n.* a tiny living thing
202. a lunar pr\_\_e *n.* a tool used for testing or examining, especially for medical or scientific purposes, or an exploratory mission to a planet or other celestial body; (verb) to investigate, examine, or search into something
203. artificial cr\_\_\_\_re *n.* a living being, especially an animal
204. cr\_\_\_\_ve writing *adj.* relating to or involving the use of skill and original and unusual ideas to create something
205. phy\_\_\_\_ly and mentally *adv.* in a way related to a person's body or appearance rather than their mind

ANSWERS: 195. crust, 196. eternal, 197. ludicrous, 198. presence, 199. methane, 200. synthetic, 201. organism, 202. probe, 203. creature, 204. creative, 205. physically

206. surface of Ve\_\_s *n.* the planet second in order from the sun
207. a civil en\_\_\_\_er *n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software
208. the exc\_\_\_\_\_nt in the business world *n.* a feeling of great enthusiasm and eagerness
209. ac\_\_\_c solution *adj.* having a pH lower than 7; having characteristics of an acid, such as tasting sour or corroding metal
210. team of ex\_\_\_\_\_ers *n.* a person who travels to places where no one or few people have been before to find out what is there
211. deputy ma\_\_\_\_\_l *n.* a military officer of high rank or a person in charge of organizing or leading a parade or public event; a law enforcement official or officer responsible for maintaining order and enforcing regulations; (verb) to organize, arrange, or gather together resources, information, or people in a deliberate and systematic manner
212. va\_\_\_y bottom *n.* a long depression on the surface of the land, which typically contains a river
213. th\_\_\_\_\_l insulation *adj.* relating to heat or temperature; designed for or capable of producing or maintaining heat
214. ac\_\_\_\_\_te measurements *adj.* correct and exact in all details
215. bu\_\_\_e in the champagne glass *n.* a thin, round, and often transparent mass of gas that is surrounded by a thin layer of liquid; a state of economic or social prosperity that is unsustainable and eventually collapses

ANSWERS: 206. Venus, 207. engineer, 208. excitement, 209. acidic, 210. explorer, 211. marshal, 212. valley, 213. thermal, 214. accurate, 215. bubble

216. ex\_\_\_\_e sports *adj.* very great in amount or degree
217. a mo\_\_\_\_n image *adj.* in a liquid state as a result of being heated
218. r\_\_t between friends *n.* a break or fissure in a relationship, organization, or physical structure; a large crack in the ground, rock, or other surfaces
219. se\_\_\_\_d orders *adj.* closed or secured with
220. env\_\_\_\_nt affairs *n.* the natural world such as air, water, and land in which humans, animals, and plants live
221. br\_\_e solution *n.* a strong solution of salt water used for preserving food, especially meat or fish; saline water found in salt mines or evaporated from seawater
222. pr\_\_e for inside information *n.* a tool used for testing or examining, especially for medical or scientific purposes, or an exploratory mission to a planet or other celestial body; (verb) to investigate, examine, or search into something
223. ter\_\_\_\_al aggression *adj.* related to a specific country's ownership of land or water
224. sy\_\_\_\_ic fertilizer *adj.* made by combining chemical substances as opposed to being naturally occurring
225. d\_\_e off a cliff *v.* to jump into the water with your head and arms going in first, or to move down to a deeper level underwater

ANSWERS: 216. extreme, 217. molten, 218. rift, 219. sealed, 220. environment, 221. brine, 222. probe, 223. territorial, 224. synthetic, 225. dive

226. a polar exp\_\_\_\_\_on *n.* a journey or voyage for a specific purpose
227. st\_\_k a key in a lock *v.* to put something, usually a sharp object, into something; to restrict yourself to doing or using one certain thing and not change; (noun) a thin piece of wood or other material
228. em\_\_\_\_\_cy action *n.* a sudden unforeseen crisis usually involving danger that requires immediate action
229. a bu\_\_h of trees *n.* a grouping of several similar things which are growing or fastened together
230. can of w\_\_ms *n.* a long, thin creature with a soft and long cylindrical tube-like body, no limbs, and a lack of eyes
231. shuck a c\_\_m *n.* a marine mollusk that burrows and lives on sand or mud, the shell closes with viselike firmness
232. en\_\_\_\_\_er shortage *n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software
233. p\_\_p a secret out of success *v.* to cause water, air, gas, etc. to move from one place to another by using mechanical equipment; to get or supply something such as money, information, etc. in significant quantities
234. ascend to he\_\_\_\_n *n.* (of various religious and mythological traditions) a place or state of existence considered to be the abode of the divine, the afterlife, or a higher realm of being; a state of great happiness, contentment, or beauty

ANSWERS: 226. expedition, 227. stick, 228. emergency, 229. bunch, 230. worm, 231. clam, 232. engineer, 233. pump, 234. heaven

235. en\_\_\_h a gas with a balloon      *v.* to make better or improve in quality by adding something else
236. have no up\_\_\_e      *n.* the positive aspect or potential of something; the upper side of something
237. th\_\_\_\_\_l energy      *adj.* relating to heat or temperature; designed for or capable of producing or maintaining heat
238. the b\_\_z of a cicada      *v.* to make a continuous, low humming sound such as the one bee makes; an exciting and active atmosphere
239. stay phy\_\_\_\_\_ly fit      *adv.* in a way related to a person's body or appearance rather than their mind
240. a scientific di\_\_\_\_\_ry      *n.* the act or process of finding information, a place, or an object, or learning about something that was previously not known
241. use of nu\_\_\_\_\_r power      *adj.* of or relating to or constituting the nucleus of an atom; deriving destructive energy from the release of atomic energy
242. st\_\_\_\_\_e through life      *v.* to miss a step and fall or nearly fall; to walk unsteadily
243. a short ca\_\_\_\_\_er nail      *n.* a woodworker whose job is to make or repair wooden objects
244. run like h\_\_l      *n.* the place thought to be where bad people go and are punished after death, often depicted as being located beneath the earth; an extraordinarily unpleasant or difficult place

ANSWERS: 235. enrich, 236. upside, 237. thermal, 238. buzz, 239. physically, 240. discovery, 241. nuclear, 242. stumble, 243. carpenter, 244. hell

245. precious me\_\_l *n.* a solid material that is typically hard, shiny, malleable, fusible, and ductile, with good electrical and thermal conductivity, and often used as a structural material, a conductor of heat or electricity, or for decorative purposes
246. vertical a\_\_s *n.* a real or imaginary straight line through a body or figure around which the object turns; a group of countries in special alliance
247. for\_\_\_\_\_yde solution *n.* a colorless, flammable liquid with a strong, pungent smell used as a preservative and in the manufacture of various products
248. ba\_\_e in the sea *v.* to wash or immerse oneself or another person in the water or a liquid; to expose a part of the body to a natural element, such as sunlight or air
249. de\_\_\_\_t accumulation *n.* a sum of money or materials placed or kept in a bank, safety deposit box, or other secure places for safekeeping; a layer of rock, sand, or other material left behind by a flowing liquid or eroding force
250. food de\_\_t *n.* a place or a building where goods, materials, or equipment are stored, manufactured, or distributed; a transportation hub where buses or trains start or end their journeys
251. se\_\_\_\_ty analyst *n.* the state of being free from danger, risk, or harm; measures taken to protect against threats or attacks; a financial asset, such as a stock or bond that derives value exclusively from the ownership interest or claim to a particular underlying asset or obligation

ANSWERS: 245. metal, 246. axis, 247. formaldehyde, 248. bathe, 249. deposit, 250. depot, 251. security

252. me\_\_l fabrication *n.* a solid material that is typically hard, shiny, malleable, fusible, and ductile, with good electrical and thermal conductivity, and often used as a structural material, a conductor of heat or electricity, or for decorative purposes
253. pre\_\_\_\_\_ted home *adj.* constructed or made in advance, often in sections or components, before being assembled on-site; manufactured or built in a factory rather than on-site
254. phe\_\_\_\_\_al success *adj.* extremely good or impressive; outstanding
255. a polar ex\_\_\_\_\_er *n.* a person who travels to places where no one or few people have been before to find out what is there
256. phe\_\_\_\_\_lly gifted *adv.* extremely or exceptionally, especially in a way that is surprising
257. nu\_\_\_\_\_r fusion *adj.* of or relating to or constituting the nucleus of an atom; deriving destructive energy from the release of atomic energy
258. uneven s\_\_m *n.* a line of stitching or joining where two pieces of fabric or material are united; also, a narrow furrow or fissure in rock or soil
259. hyd\_\_\_\_\_mal vents *adj.* relating to hot water or steam, especially in the Earth's crust, and the thermal energy and chemical reactions that occur as a result
260. ba\_\_e the baby *v.* to wash or immerse oneself or another person in the water or a liquid; to expose a part of the body to a natural element, such as sunlight or air

ANSWERS: 252. metal, 253. prefabricated, 254. phenomenal, 255. explorer, 256. phenomenally, 257. nuclear, 258. seam, 259. hydrothermal, 260. bathe



261. su\_\_\_r dioxide *n.* (also sulphur) a chemical element with the symbol S and atomic number 16, found in many minerals and sulfur compounds, often used in the production of fertilizers, rubber, paper, and other industrial applications
262. seals sleep und\_\_\_\_\_er *adv.* below or under the surface of the water
263. st\_\_\_\_\_e financially *v.* to miss a step and fall or nearly fall; to walk unsteadily
264. giant c\_\_m *n.* a marine mollusk that burrows and lives on sand or mud, the shell closes with viselike firmness
265. am\_\_\_\_\_g advances *adj.* extremely surprising, especially in a way that you like or admire
266. a star of the first ma\_\_\_\_\_de *n.* the extent, level, importance, or amount of something
267. ob\_\_\_\_\_us to our response *adj.* not aware of something, especially what is happening around you; forgetful
268. a st\_\_n look *adj.* serious, unyielding, or strict in manner or attitude
269. a bold cl\_\_f *n.* a steep rock face, especially one at the edge of the sea or a river
270. a rock fo\_\_\_\_\_on *n.* the way something is created naturally or the way it has been arranged
271. hold my breath und\_\_\_\_\_er *adv.* below or under the surface of the water
272. de\_\_\_\_\_t money *n.* a sum of money or materials placed or kept in a bank, safety deposit box, or other secure places for safekeeping; a layer of rock, sand, or other material left behind by a flowing liquid or eroding force

ANSWERS: 261. sulfur, 262. underwater, 263. stumble, 264. clam, 265. amazing, 266. magnitude, 267. oblivious, 268. stern, 269. cliff, 270. formation, 271. underwater, 272. deposit

273. acc\_\_\_\_\_te a chemical reaction      *v.* to make something faster or earlier; to cause to develop or progress more quickly
274. active vo\_\_\_\_\_o      *n.* a mountain or hill, typically conical, having a crater or vent through which lava, rock fragments, hot vapor, and gas are or have been erupted from the earth's crust.
275. exp\_\_\_\_\_on team      *n.* a journey or voyage for a specific purpose
276. mo\_\_t a counterattack      *v.* to increase, go up, or advance gradually or continuously; to prepare and supply with the necessary equipment for execution or performance; to ride on something or someone
277. intraspecific com\_\_\_\_\_on      *n.* a situation in which someone is attempting to beat or outperform another
278. time z\_\_e      *n.* a specific area, region, or section that is marked off or defined in some way
279. the ge\_\_\_\_\_s of civilization      *n.* the origin or beginning of something; the first book of the biblical scriptures of both Judaism and Christianity, describing the creation of the Earth and humankind
280. h\_\_l a broken bone      *v.* to make a wound or injury to become well again
281. the characters that re\_\_\_\_\_nt numbers      *v.* to speak, act, or be present on behalf of another person or group; to form or constitute

ANSWERS: 273. accelerate, 274. volcano, 275. expedition, 276. mount, 277. competition, 278. zone, 279. genesis, 280. heal, 281. represent

282. ec\_\_\_\_y of scale *n.* the system by which a country or region produces, manages, and distributes goods and services, including the money and finances involved in these activities; (of an airline) the lowest-priced, most basic option for seating in commercial travel
283. pH scale *n.* a measure of the acidity or alkalinity of a substance, on a scale of 0 to 14, with seven being neutral, lower values indicating greater acidity, and higher values indicating greater alkalinity
284. cha\_\_\_\_\_ize his work *v.* to describe the distinctive nature or features of someone or something; to be a distinguishing feature of
285. freshwater ca\_\_\_\_\_a *n.* a large, basin-shaped volcanic crater typically formed by a massive eruption or the collapse of a volcanic cone, often filled with water to form a lake or isolated ecosystem
286. w\_x finish *n.* a substance that is solid at room temperature but becomes softer and more pliable when heated, often used in the production of candles, polishes, and cosmetics; (verb) to become large
287. chaotic env\_\_\_\_\_nt *n.* the natural world such as air, water, and land in which humans, animals, and plants live
288. learning cu\_\_e *n.* a bend or angle in a line or surface that deviates from a straight or flat path; a gradual or smooth change in direction or shape

ANSWERS: 282. economy, 283. pH, 284. characterize, 285. caldera, 286. wax, 287. environment, 288. curve

289. gold o_e	<i>n.</i>	a naturally occurring mineral or rock from which a valuable substance, typically a metal, can be extracted through mining or other extraction methods
290. h__l the hurt mind	<i>v.</i>	to make a wound or injury to become well again
291. all ability to mo_____te	<i>v.</i>	to make someone want to do something, especially something that requires tremendous work and effort
292. the hydrogen binds the ox____n	<i>n.</i>	the chemical element with the symbol O that is present in air and water and is necessary for people, animals, and plants to live
293. rea_____on of a concept	<i>n.</i>	the act or process of understanding or becoming aware of something; the act of achieving or completing something that was planned or desired; the act of making something real or tangible
294. northern hem_____re	<i>n.</i>	half of the terrestrial globe; half of a sphere
295. m__t down gold	<i>v.</i>	to turn from something solid into something soft or liquid as a result of heating
296. increase ba_____th	<i>n.</i>	the amount of data that can be transmitted or processed at one time often used to describe the capacity of electronic communication or computing systems
297. di_____ve juices	<i>adj.</i>	relating to or capable of causing or promoting digestion of food

ANSWERS: 289. ore, 290. heal, 291. motivate, 292. oxygen, 293. realization, 294. hemisphere, 295. melt, 296. bandwidth, 297. digestive

298. harsh rea\_\_\_\_\_on                    *n.* the act or process of understanding or becoming aware of something; the act of achieving or completing something that was planned or desired; the act of making something real or tangible
299. sub\_\_\_\_\_le cable                    *adj.* able to be operated or used underwater; capable of being submerged in water or other liquid
300. bl\_\_\_\_\_r after walking for miles                    *n.* a small, fluid-filled bubble on the skin caused by friction, burning, or other skin irritation; can also refer to a similar bubble found in other materials; (verb) to become covered with blisters or to cause blisters to form; to criticize or rebuke severely
301. be\_\_\_\_\_h contempt                    *adv.* in or to a lower place than someone or something
302. w\_x and wane                    *n.* a substance that is solid at room temperature but becomes softer and more pliable when heated, often used in the production of candles, polishes, and cosmetics; (verb) to become large
303. dis\_\_\_\_\_te propaganda                    *v.* to spread or distribute widely, especially information or ideas; to scatter or disperse
304. pre-Christian an\_\_\_\_\_t                    *adj.* relating to the long ago, particularly the historical period preceding the fall of the Western Roman Empire; very old
305. the atmospheric tem\_\_\_\_\_re                    *n.* the degree of hotness or coldness of a thing or place

ANSWERS: 298. realization, 299. submersible, 300. blister, 301. beneath, 302. wax, 303. disseminate, 304. ancient, 305. temperature

306. vo\_\_a shot *n.* a distilled alcoholic beverage made from fermented grains or potatoes, typically with high alcohol content and little or no added flavoring
307. volcanic ca\_\_\_\_\_a *n.* a large, basin-shaped volcanic crater typically formed by a massive eruption or the collapse of a volcanic cone, often filled with water to form a lake or isolated ecosystem
308. unb\_\_\_\_\_st to any of us *adv.* without the knowledge or awareness of someone; without someone's knowledge or participation
309. self-int\_\_\_\_\_ion *n.* a preliminary explanation or remarks given before the start of a text, performance, or event; the act of bringing something new into existence or introducing something to a wider audience or new market
310. honor gr\_\_\_\_\_te *n.* a person who has a first degree from university or college; (verb) to complete the first course of university or college and get a degree
311. the biggest tree in ex\_\_\_\_\_ce *n.* the state or fact of someone or something existing
312. beauty s\_\_t *n.* a particular location or place; a small round or roundish area, differing in color or feels from the surface around it
313. economic bu\_\_\_e *n.* a thin, round, and often transparent mass of gas that is surrounded by a thin layer of liquid; a state of economic or social prosperity that is unsustainable and eventually collapses

ANSWERS: 306. vodka, 307. caldera, 308. unbeknownst, 309. introduction, 310. graduate, 311. existence, 312. spot, 313. bubble

314. an apprentice ca\_\_\_\_\_er *n.* a woodworker whose job is to make or repair wooden objects
315. co\_\_\_\_\_e in midair *v.* to hit something violently when moving
316. su\_\_\_\_\_e beforehand *v.* to think that something is likely to be actual or possible
317. an interstate hi\_\_\_\_\_y *n.* a main road, especially one connecting major towns or cities
318. d\_\_t track *n.* soil, dust, or any substance that makes a surface not clean; the part of the earth's surface consisting of humus and disintegrated rock
319. pr\_\_\_\_\_on of ideas *n.* abundance; a large quantity or number of something
320. copper o\_e *n.* a naturally occurring mineral or rock from which a valuable substance, typically a metal, can be extracted through mining or other extraction methods
321. li\_\_\_\_\_e renewal *n.* an official permission or authorization to do, use, or own something; a legal document that grants the holder the right to perform certain activities, such as driving a car, practicing a profession, or using a particular product or service
322. co\_\_\_\_\_nt urinary diversion *n.* one of the earth's large landmasses; (adjective) abstaining from your feelings, especially your desire to have sex
323. a s\_\_t on his honor *n.* a particular location or place; a small round or roundish area, differing in color or feels from the surface around it

ANSWERS: 314. carpenter, 315. collide, 316. suppose, 317. highway, 318. dirt, 319. profusion, 320. ore, 321. license, 322. continent, 323. spot

324. pr\_\_\_\_\_on of wildlife *n.* abundance; a large quantity or number of something
325. plate te\_\_\_\_\_cs *n.* the study of the processes that shape the Earth's surface, including the movements of tectonic plates, earthquakes, and volcanic activity
326. ri\_\_\_\_\_le at his expense *n.* speech or behavior that makes fun of or mocks someone or something; teasing, sarcasm, or scornful remarks that are intended to belittle or humiliate; (verb) to mock, criticize, or make fun of someone or something in a scornful or derisive way
327. pre\_\_\_\_\_ted building *adj.* constructed or made in advance, often in sections or components, before being assembled on-site; manufactured or built in a factory rather than on-site
328. class obs\_\_\_\_\_on day *n.* the act or activity of carefully examining or monitoring something or someone
329. gl\_\_\_y mood *adj.* characterized by a lack of light or sunshine, resulting in a dark or dim atmosphere; feeling despondent, dismal, or melancholy
330. m\_r the reputation *v.* to damage or spoil the appearance or surface of something
331. cr\_\_l across the floor *v.* to move forward slowly, as people or animals with their bodies near the ground
332. effects of vo\_\_\_\_\_ic eruptions *adj.* relating to or produced by or consisting of volcano

ANSWERS: 324. profusion, 325. tectonics, 326. ridicule, 327. prefabricated, 328. observation, 329. gloomy, 330. mar, 331. crawl, 332. volcanic



333. intelligence ag\_\_\_y *n.* an organization or business that is responsible for specific activities or services, especially when representing other organizations or businesses; the capacity or power to act or exert influence; the ability to make decisions and take action
334. doubling of atm\_\_\_\_\_ic carbon dioxide *adj.* about or located in the earth's atmosphere
335. ba\_\_\_\_\_th allocation *n.* the amount of data that can be transmitted or processed at one time often used to describe the capacity of electronic communication or computing systems
336. ca\_\_\_\_\_n of industry *n.* the leader of a group of people, especially who is in charge of a ship or aircraft
337. do\_\_\_\_\_te possession *v.* to have or control a lot of power and influence over somebody or something
338. m\_d wall *n.* a soft, wet, sticky earth or clay
339. teaching of Ch\_\_\_t *n.* the man that Christians believe is the prophet and the son of God, and whose life and sermons form the basis for Christianity
340. ph\_\_\_n emission *n.* a unit or quantum of electromagnetic energy, typically regarded as a particle that is the basic constituent of all light and other forms of electromagnetic radiation

ANSWERS: 333. agency, 334. atmospheric, 335. bandwidth, 336. captain, 337. dominate, 338. mud, 339. Christ, 340. photon

341. pi\_\_t production *n.* a person who flies an aircraft, especially as a job; a person qualified to guide ships through a difficult area of water
342. ro\_\_e state *n.* a deceitful and unreliable person; a person who behaves badly
343. in\_\_\_\_l velocity *adj.* of or happening at the beginning; (noun) the first letter of a word, especially a person's name
344. eat or\_\_\_\_c food *adj.* of or derived from biological substance; producing plants and animals for food and other items without the use of synthetic chemicals
345. a high-te\_\_\_\_n wire *n.* a state of mental or emotional strain or excitement; the state of being stretched tight
346. bl\_\_k expression *adj.* without any writing or printing; empty or devoid of ideas, information, or meaning; unable to remember or recall information
347. smoke ch\_\_\_\_y *n.* a vertical structure that channels smoke or gas from a fire or furnace out of a building; a hollow column or tube that facilitates air or fluid flow throughout a system
348. driving di\_\_\_\_ce *n.* the amount of space between two points, measured in units such as miles, meters, or kilometers; the extent, scope, or range between two things, such as distance or emotional distance
349. a re\_\_\_\_ir of facts *n.* a natural or artificial lake used to store water for community use; a large or extra supply of something

ANSWERS: 341. pilot, 342. rogue, 343. initial, 344. organic, 345. tension, 346. blank, 347. chimney, 348. distance, 349. reservoir

350. ma\_\_\_\_\_e stars *adj.* enormous amount; very heavy and solid
351. en\_\_\_h public services *v.* to make better or improve in quality by adding something else
352. molten l\_\_a *n.* molten rock that has been extruded from a volcano and solidified; a highly fluid, highly heated substance or material
353. su\_\_\_\_\_ne cable *n.* a type of underwater vehicle or vessel that can operate beneath the surface of the water; (adjective) beneath the surface of the sea
354. sh\_\_\_\_\_ck survivor *n.* the destruction or loss of a ship at sea, usually caused by sinking or running aground; the remains or wreckage of a ship that has been destroyed or lost at sea
355. an\_\_\_\_\_t stories *adj.* relating to the long ago, particularly the historical period preceding the fall of the Western Roman Empire; very old
356. ha\_\_\_n clay *v.* to make something firm, solid, or resistant; to toughen or strengthen physically or emotionally; to become more rigid or less flexible
357. lo\_\_\_\_\_l reasoning *adj.* characterized by clear and sound reasoning; following a rational and systematic approach; based on or in accordance with logic or reason
358. a te\_\_\_\_\_ic earthquake *adj.* relating to the structure of the Earth's crust and the large-scale processes that occur as a result of movements within it

ANSWERS: 350. massive, 351. enrich, 352. lava, 353. submarine, 354. shipwreck, 355. ancient, 356. harden, 357. logical, 358. tectonic

359. an enr\_\_\_\_\_ed look      *adj.* feeling great pleasure, happiness, or joy
360. et\_\_\_\_\_l quarreling      *adj.* being without beginning or end; lasting forever
361. int\_\_\_\_\_ion education      *n.* a preliminary explanation or remarks given before the start of a text, performance, or event; the act of bringing something new into existence or introducing something to a wider audience or new market
362. pen\_\_\_\_\_ng analysis      *adj.* able to pierce or enter deeply into something; having a sharp, intense quality that cuts through superficiality or confusion
363. pl\_\_\_\_t like the Earth      *n.* any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star
364. in the Book of Ge\_\_\_\_\_s      *n.* the origin or beginning of something; the first book of the biblical scriptures of both Judaism and Christianity, describing the creation of the Earth and humankind
365. l\_\_a flow      *n.* molten rock that has been extruded from a volcano and solidified; a highly fluid, highly heated substance or material
366. vo\_\_\_\_\_o alert level      *n.* a mountain or hill, typically conical, having a crater or vent through which lava, rock fragments, hot vapor, and gas are or have been erupted from the earth's crust.

ANSWERS: 359. enraptured, 360. eternal, 361. introduction, 362. penetrating, 363. planet, 364. genesis, 365. lava, 366. volcano

367. ch\_\_\_\_y sweep *n.* a vertical structure that channels smoke or gas from a fire or furnace out of a building; a hollow column or tube that facilitates air or fluid flow throughout a system
368. li\_\_\_\_\_ne pavement *n.* a sedimentary rock that is composed mainly of calcium carbonate, which is the mineral calcite
369. a hotel lo\_\_y *n.* a large area inside the entrance of a public building where people can meet and wait; a group of people who try to persuade a politician, the government, or an official group to influence legislation
370. s\_\_k a lot of capital *v.* to submerge or go down below the surface of a liquid or substance; to decline or deteriorate; to cause something to go down into a liquid substance or sink into something else
371. acc\_\_\_\_\_te the car *v.* to make something faster or earlier; to cause to develop or progress more quickly
372. d\_\_t road *n.* soil, dust, or any substance that makes a surface not clean; the part of the earth's surface consisting of humus and disintegrated rock
373. st\_\_f muscles *adj.* not easily bent, flexible, or pliable; difficult to move or be maneuvered; difficult to relax; having a heavy or formal manner

ANSWERS: 367. chimney, 368. limestone, 369. lobby, 370. sink, 371. accelerate, 372. dirt, 373. stiff

374. im\_\_\_\_e the cloth in the dye      *v.* to become fully involved in a particular activity; to dip or submerge in a liquid, especially so that they or it are entirely covered
375. increase in vo\_\_\_\_ic activity      *adj.* relating to or produced by or consisting of volcano
376. d\_\_p liquid      *v.* to fall in drops or make it fall in drops; (noun) liquid or moisture that falls in drops
377. the exp\_\_\_\_\_on for the failure      *n.* the information or arguments that someone provides to make something understandable or clear
378. unb\_\_\_\_\_st to me      *adv.* without the knowledge or awareness of someone; without someone's knowledge or participation
379. wildlife pre\_\_\_\_\_ion      *n.* the act of keeping something in its original state or of preventing it from being damaged
380. social di\_\_\_\_ce      *n.* the amount of space between two points, measured in units such as miles, meters, or kilometers; the extent, scope, or range between two things, such as distance or emotional distance
381. software li\_\_\_\_e      *n.* an official permission or authorization to do, use, or own something; a legal document that grants the holder the right to perform certain activities, such as driving a car, practicing a profession, or using a particular product or service
382. m\_\_t the ice      *v.* to turn from something solid into something soft or liquid as a result of heating

ANSWERS: 374. immerse, 375. volcanic, 376. drip, 377. explanation, 378. unbeknownst, 379. preservation, 380. distance, 381. license, 382. melt

383. dr\_\_t away on a raft  
*v.* to move smoothly and slowly in water or air, especially as a result of outside forces, with no control over the direction
384. oce\_\_\_\_\_phy data  
*n.* the scientific study of oceans and other bodies of saltwater, including their physical, chemical, and biological characteristics, as well as their interactions with the atmosphere and land
385. at inc\_\_\_\_\_le speed  
*adj.* unbelievable; enormous
386. abs\_\_\_\_\_ly obsessed with the girl  
*adv.* without restriction or limitation; completely or utterly
387. the ri\_\_e of the nose  
*n.* a long, narrow, raised landform or rock formation
388. outdoor rec\_\_\_\_\_on  
*n.* the activity that renews your health and spirits by enjoyment and relaxation; the act or process of making something that existed in the past exists or seems to exist again in a different time or place
389. ba\_\_\_n wasteland  
*adj.* unable to produce or sustain growth; lacking fertility; unproductive; lacking interest, excitement, or creativity; empty or desolate
390. a glass t\_\_e  
*n.* a cylindrical container of metal, plastic, glass, etc., usually sealed and used as a means of preserving food or chemicals; a hollow cylindrical shape
391. provide ac\_\_\_\_\_te information  
*adj.* correct and exact in all details
392. oxygenic pho\_\_\_\_\_sis  
*n.* the process through which plants and other organisms transform light energy into chemical energy, which is then released through cellular respiration to power the organism's activities.

ANSWERS: 383. drift, 384. oceanography, 385. incredible, 386. absolutely, 387. ridge, 388. recreation, 389. barren, 390. tube, 391. accurate, 392. photosynthesis

393. acute em\_\_\_\_\_cy *n.* a sudden unforeseen crisis usually involving danger that requires immediate action
394. une\_\_\_\_\_ed ideas *adj.* not yet examined, investigated, or studied; lacking in knowledge or information; unknown or undiscovered
395. j\_w muscle *n.* either of the two bones at the bottom of the face that moves when you open your mouth; (verb) talk socially without exchanging too much information
396. bo\_\_\_g work *adj.* lacking interest or excitement; tedious or dull
397. ve\_\_\_\_\_al takeoff *adj.* upright or perpendicular to a horizontal surface or line
398. bureau of ge\_\_\_\_\_y *n.* a science that deals with the history of the earth as recorded in rocks
399. re\_\_\_\_\_te the cell *v.* to make an exact copy of something; to repeat a process or experiment to confirm the results
400. h\_\_l broke loose *n.* the place thought to be where bad people go and are punished after death, often depicted as being located beneath the earth; an extraordinarily unpleasant or difficult place
401. a meteorological sa\_\_\_\_\_te *n.* an electronic device that is sent up into space and moves around the Earth or another planet, used for gathering information or communicating by radio, television, etc.

ANSWERS: 393. emergency, 394. unexplored, 395. jaw, 396. boring, 397. vertical, 398. geology, 399. replicate, 400. hell, 401. satellite



402. gr\_\_\_\_te degree program      *n.* a person who has a first degree from university or college; (verb) to complete the first course of university or college and get a degree
403. the ca\_\_\_\_n of an opposing team      *n.* the leader of a group of people, especially who is in charge of a ship or aircraft
404. t\_p a new market      *v.* to hit someone or something quickly, gently, and often repeatedly; to use existing resources, such as energy, knowledge, etc.
405. abs\_\_\_\_ly against      *adv.* without restriction or limitation; completely or utterly
406. polar con\_\_\_\_al air      *adj.* of or relating to a continent (= one of the earth's large landmasses)
407. real estate ag\_\_\_\_y      *n.* an organization or business that is responsible for specific activities or services, especially when representing other organizations or businesses; the capacity or power to act or exert influence; the ability to make decisions and take action
408. ti\_\_\_\_c battle      *adj.* of or having a great size, power, or influence; of or relating to Titanium (= a light, strong grey, lustrous, corrosion-resistant metallic element)
409. lack of ox\_\_\_\_n      *n.* the chemical element with the symbol O that is present in air and water and is necessary for people, animals, and plants to live

ANSWERS: 402. graduate, 403. captain, 404. tap, 405. absolutely, 406. continental, 407. agency, 408. titanic, 409. oxygen

410. mo\_\_t a hill      *v.* to increase, go up, or advance gradually or continuously; to prepare and supply with the necessary equipment for execution or performance; to ride on something or someone
411. lo\_\_y for legislation      *n.* a large area inside the entrance of a public building where people can meet and wait; a group of people who try to persuade a politician, the government, or an official group to influence legislation
412. an Arctic exp\_\_\_\_\_on      *n.* the activity of searching and finding out about something through a place
413. co\_\_n examination      *n.* the punctuation mark ( : ) used to introduce a list, summary, explanation, etc., or before reporting what someone has said; a significant part of the large intestine, the final section of the digestive system
414. data com\_\_\_\_\_on      *n.* the act or process of pressing or squeezing something together, often using force or pressure; (of physics) the reduction of volume or increase in pressure of a gas or fluid
415. barren of cr\_\_\_\_\_ve spirit      *adj.* relating to or involving the use of skill and original and unusual ideas to create something
416. geo\_\_\_\_\_al data      *adj.* relating to the physical characteristics and processes of the Earth and its surrounding atmospheres, such as geology, meteorology, and oceanography

ANSWERS: 410. mount, 411. lobby, 412. exploration, 413. colon, 414. compression, 415. creative, 416. geophysical

417. Earth's ast\_\_\_\_\_ere      *n.* the upper layer of the Earth's mantle, located below the lithosphere, where the solid rock is relatively soft and can flow slowly under intense heat and pressure
418. future of space exp\_\_\_\_\_on      *n.* the activity of searching and finding out about something through a place
419. national se\_\_\_\_\_ty      *n.* the state of being free from danger, risk, or harm; measures taken to protect against threats or attacks; a financial asset, such as a stock or bond that derives value exclusively from the ownership interest or claim to a particular underlying asset or obligation
420. test my hyp\_\_\_\_\_is      *n.* a proposed idea or explanation that is based on a few known facts but has not yet been proven to be true or accurate
421. good source of z\_\_c      *n.* a metallic element that is found in small amounts in the earth's crust and is used in the manufacture of brass and alloys, and is required to maintain human's health
422. mo\_\_\_\_g experience      *adj.* causing strong emotions or feelings, especially sadness or sympathy
423. ex\_\_\_\_\_te a deep hole      *v.* to dig or remove earth, rocks, or other materials from the ground or a site, often to uncover or discover something
424. de\_\_h camera      *n.* the distance between the top and bottom of something; between the top surface and a distance below it

ANSWERS: 417. asthenosphere, 418. exploration, 419. security, 420. hypothesis, 421. zinc, 422. moving, 423. excavate, 424. depth

425. ter\_\_\_\_\_al integrity *adj.* related to a specific country's ownership of land or water
426. an in\_\_\_\_\_l letter *adj.* of or happening at the beginning; (noun) the first letter of a word, especially a person's name
427. r\_p a notebook apart *v.* to tear something or be torn violently or suddenly
428. di\_\_\_\_r movement *n.* a geological formation in which a mass of plastically flowing material, such as magma or salt, rises through the surrounding rock layers due to buoyancy or pressure
429. water re\_\_\_\_\_ir *n.* a natural or artificial lake used to store water for community use; a large or extra supply of something
430. p\_g an exchange rate *n.* a small cylindrical or tapered pin used to fasten or secure something, such as clothing, on a line, or in carpentry and woodworking; (verb) to fasten or secure something using a peg or similar object; to mark or indicate a level or position using a peg or similar object
431. do\_\_\_\_\_te over the weak *v.* to have or control a lot of power and influence over somebody or something
432. extreme tem\_\_\_\_\_res *n.* the degree of hotness or coldness of a thing or place
433. co\_\_\_\_\_e augmented reality *v.* to join or merge to form a single thing or group
434. mat\_\_\_\_\_cs competition *n.* the science dealing with the logic of quantities, shapes, spaces, and arrangement

ANSWERS: 425. territorial, 426. initial, 427. rip, 428. diapir, 429. reservoir, 430. peg, 431. dominate, 432. temperature, 433. combine, 434. mathematics

435. ba\_\_\_n desert *adj.* unable to produce or sustain growth; lacking fertility; unproductive; lacking interest, excitement, or creativity; empty or desolate
436. the ground be\_\_\_\_\_h my feet *adv.* in or to a lower place than someone or something
437. decision-making pr\_\_\_\_\_s *n.* a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products
438. pr\_\_\_\_\_s improvement *n.* a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products
439. a bu\_\_h of schoolgirls *n.* a grouping of several similar things which are growing or fastened together
440. s\_\_f the waves *v.* to ride on or through waves while standing or lying down on a board or other object; to search or browse the Internet or other computer networks in a casual or aimless manner
441. und\_\_\_\_\_th the laughter *adv.* under or below something else

ANSWERS: 435. barren, 436. beneath, 437. process, 438. process, 439. bunch, 440. surf, 441. underneath

442. a qu\_\_\_\_r mile *n.* one of four equal parts; a fourth part or portion
443. an international co\_\_\_\_ss *n.* a formal meeting of the representatives of different countries, constituent states, organizations, trade unions, political parties, or other groups
444. in\_\_\_\_ly cope with *adv.* immediately
445. de\_\_\_\_e centigrade *n.* a unit of measurement for angles, temperature, or level of proficiency or achievement; a rank or level of academic or professional attainment
446. ma\_\_\_\_e amounts *adj.* enormous amount; very heavy and solid
447. historical co\_\_\_\_t *n.* the circumstances, facts, or conditions that surround a particular event, situation, or statement and that give it meaning
448. tre\_\_\_\_us popularity *adj.* very great in degree or extent or amount or impact; extremely good
449. local jur\_\_\_\_ion *n.* the extent or range of authority, power, or control exercised by a particular entity or organization, such as a government or court; the area within which such authority or control is exercised
450. collaborate with co\_\_\_\_ues *n.* one of a group of a coworker, especially in a profession or a business
451. interstate co\_\_\_\_ce *n.* the activity of buying and selling things, especially on a large scale

ANSWERS: 442. quarter, 443. congress, 444. instantly, 445. degree, 446. massive, 447. context, 448. tremendous, 449. jurisdiction, 450. colleague, 451. commerce

452. t\_p keyboard with an index finger      *v.* to hit someone or something quickly, gently, and often repeatedly; to use existing resources, such as energy, knowledge, etc.
453. be\_\_h loudly      *v.* to expel air from the stomach through the mouth with a noisy or offensive sound, typically as a result of swallowing air or because of indigestion
454. up\_\_\_t my spirit      *n.* the process of raising land to a higher elevation, or the result of this process; (verb) fill with high spirits
455. god of the und\_\_\_\_\_ld      *n.* the criminal world or the world of organized crime; the realm of the dead in various mythologies
456. official sta\_\_\_\_\_cs      *n.* the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data
457. pi\_\_\_e a cucumber      *n.* vegetables or fruit preserved in salty water or vinegar served cold with meat, salads, etc.; informal terms for a difficult situation
458. geological r\_\_t      *n.* a break or fissure in a relationship, organization, or physical structure; a large crack in the ground, rock, or other surfaces
459. a bold hyp\_\_\_\_\_is      *n.* a proposed idea or explanation that is based on a few known facts but has not yet been proven to be true or accurate
460. local ge\_\_\_\_\_y      *n.* a science that deals with the history of the earth as recorded in rocks

ANSWERS: 452. tap, 453. belch, 454. uplift, 455. underworld, 456. statistics, 457. pickle, 458. rift, 459. hypothesis, 460. geology

461. fl\_\_d advisory *n.* a large amount of water flowing beyond its normal limits; an overwhelming number or amount
462. bu\_\_\_e down to study *v.* to bend out of shape, as under pressure or from heat; (noun) a device used for fastening two loose ends of a belt or strap
463. se\_\_\_\_\_te cream from milk *v.* to force, take, or pull apart; mark as different
464. be\_\_h chemical waste into the atmosphere *v.* to expel air from the stomach through the mouth with a noisy or offensive sound, typically as a result of swallowing air or because of indigestion
465. a fl\_\_d of questions *n.* a large amount of water flowing beyond its normal limits; an overwhelming number or amount
466. na\_\_l base *adj.* of or relating to ships, sailors, or the navy
467. cr\_\_\_\_\_re of habit *n.* a living being, especially an animal
468. ex\_\_\_\_\_te soil *v.* to dig or remove earth, rocks, or other materials from the ground or a site, often to uncover or discover something
469. oc\_\_\_\_\_c climate *adj.* relating to or characteristic of the ocean or its inhabitants; having to do with the vast expanse of saltwater that covers most of the Earth's surface
470. con\_\_\_\_\_al divide *adj.* of or relating to a continent (= one of the earth's large landmasses)
471. adm\_\_\_\_\_er the funds *v.* to oversee and control the operation or arrangement of something

ANSWERS: 461. flood, 462. buckle, 463. separate, 464. belch, 465. flood, 466. naval, 467. creature, 468. excavate, 469. oceanic, 470. continental, 471. administer



472. less fo\_\_\_\_\_te person *adj.* having good luck or lucky
473. group of or\_\_\_\_\_sms *n.* a tiny living thing
474. top of the ri\_\_e *n.* a long, narrow, raised landform or rock formation
475. the wan light of d\_\_n *n.* the time of day when the sun's light starts to show in the sky
476. su\_\_\_r mine *n.* (also sulphur) a chemical element with the symbol S and atomic number 16, found in many minerals and sulfur compounds, often used in the production of fertilizers, rubber, paper, and other industrial applications
477. b\_\_z marketing *v.* to make a continuous, low humming sound such as the one bee makes; an exciting and active atmosphere
478. peace co\_\_\_\_\_ss *n.* a formal meeting of the representatives of different countries, constituent states, organizations, trade unions, political parties, or other groups
479. re\_\_\_\_\_nt by a diagram *v.* to speak, act, or be present on behalf of another person or group; to form or constitute
480. the evidence of the pr\_\_\_\_\_ce *n.* the fact or state that someone or something exists, occurs, or is present
481. the lower ch\_\_\_\_\_r *n.* a large room used for a formal, public, or particular purpose; one of the parts of a parliament
482. heavy hy\_\_\_\_\_en *n.* the chemical element that is the lightest gas is colorless, odorless, tasteless, and combines with oxygen to form water

ANSWERS: 472. fortunate, 473. organism, 474. ridge, 475. dawn, 476. sulfur, 477. buzz, 478. congress, 479. represent, 480. presence, 481. chamber, 482. hydrogen

483. int\_\_\_\_\_ce between teeth      *n.* the space between objects or parts, especially between two closely positioned objects; an interval or gap between two things
484. magma di\_\_\_\_r      *n.* a geological formation in which a mass of plastically flowing material, such as magma or salt, rises through the surrounding rock layers due to buoyancy or pressure
485. lu\_\_\_\_\_us idea      *adj.* so ridiculous, unreasonable, or out of place as to be amusing; absurd
486. as\_\_\_\_e a lousy attitude to his boss      *v.* to think or accept something to be true without having proof of it; to take or begin to have power; to begin to exhibit a specific quality or appearance
487. bu\_\_\_\_e shoe      *v.* to bend out of shape, as under pressure or from heat; (noun) a device used for fastening two loose ends of a belt or strap
488. ma\_\_\_\_\_l the books into their proper places      *n.* a military officer of high rank or a person in charge of organizing or leading a parade or public event; a law enforcement official or officer responsible for maintaining order and enforcing regulations; (verb) to organize, arrange, or gather together resources, information, or people in a deliberate and systematic manner
489. ob\_\_\_\_\_us of his promise      *adj.* not aware of something, especially what is happening around you; forgetful

ANSWERS: 483. interspace, 484. diapir, 485. ludicrous, 486. assume, 487. buckle, 488. marshal, 489. oblivious

490. int\_\_\_\_\_ce for natural light      *n.* the space between objects or parts, especially between two closely positioned objects; an interval or gap between two things
491. seasoned ma\_\_\_\_\_r      *n.* a sailor or seaman; someone who works or travels on a boat or ship
492. man\_\_\_\_\_ion of psychological stress      *n.* a visible or tangible form of something, especially a particular sign of a disease or condition
493. re\_\_\_\_\_te data      *v.* to make an exact copy of something; to repeat a process or experiment to confirm the results
494. man\_\_\_\_\_ion of a deeper problem      *n.* a visible or tangible form of something, especially a particular sign of a disease or condition
495. fo\_\_\_\_\_on flight      *n.* the way something is created naturally or the way it has been arranged
496. boys in the twelfth gr\_\_e      *n.* a particular level of quality, size, importance, etc.
497. cha\_\_\_\_\_ize the relationship      *v.* to describe the distinctive nature or features of someone or something; to be a distinguishing feature of
498. ph\_\_\_n energy      *n.* a unit or quantum of electromagnetic energy, typically regarded as a particle that is the basic constituent of all light and other forms of electromagnetic radiation
499. cr\_\_h coffee beans      *v.* to press it firmly, usually with your hands or a tool, so that it becomes flat or smaller

ANSWERS: 490. interspace, 491. mariner, 492. manifestation, 493. replicate, 494. manifestation, 495. formation, 496. grade, 497. characterize, 498. photon, 499. crush

500. mo\_\_\_\_te the students *v.* to make someone want to do something, especially something that requires tremendous work and effort
501. cr\_\_l away from a car *v.* to move forward slowly, as people or animals with their bodies near the ground
502. hyd\_\_\_\_\_mal chemistry *adj.* relating to hot water or steam, especially in the Earth's crust, and the thermal energy and chemical reactions that occur as a result
503. a seafaring na\_\_\_\_n *n.* a large organized community of people living in a particular country or region and having a particular culture
504. obs\_\_\_\_\_on instrument *n.* the act or activity of carefully examining or monitoring something or someone
505. cricket team's r\_\_t *n.* a disorderly retreat or defeat of an army or group; a decisive defeat
506. a facial ti\_\_\_\_e *n.* an ensemble of similar cells of the animal or plant that together carry out a specific function
507. damage to internal or\_\_ns *n.* a part of the body of an animal or plant that has a particular purpose and performs a specific job
508. na\_\_\_\_n-state *n.* a large organized community of people living in a particular country or region and having a particular culture
509. risk of bone fr\_\_\_\_\_res *n.* the breaking or cracking of a rigid material or object such as bone
510. ha\_\_\_\_n your heart *v.* to make something firm, solid, or resistant; to toughen or strengthen physically or emotionally; to become more rigid or less flexible

ANSWERS: 500. motivate, 501. crawl, 502. hydrothermal, 503. nation, 504. observation, 505. rout, 506. tissue, 507. organ, 508. nation, 509. fracture, 510. harden

511. hy\_\_\_\_en gas                    *n.*    the chemical element that is the lightest gas is colorless, odorless, tasteless, and combines with oxygen to form water
512. or\_\_n bleeding                    *n.*    a part of the body of an animal or plant that has a particular purpose and performs a specific job
513. a potted dw\_\_f tree                *n.*    a person or animal that is much smaller than usual or expected for its type; a celestial body, especially a planet, that is smaller and less massive than a star
514. co\_\_\_\_ce her to go with us        *v.*    to persuade someone or make someone believe that something is true
515. te\_\_\_\_ic valleys                    *adj.* relating to the structure of the Earth's crust and the large-scale processes that occur as a result of movements within it
516. ex\_\_\_e the crowd                    *v.*    to make someone feel suddenly enthusiastic or eager
517. bi\_\_o game                          *n.*    a game of chance in which players match numbers on a card with randomly drawn numbers to be the first to complete a specific pattern or sequence; sudden realization, success, or achievement
518. a gas ch\_\_\_\_r                        *n.*    a large room used for a formal, public, or particular purpose; one of the parts of a parliament
519. ma\_\_a flow                          *n.*    molten rock that is located beneath the earth's surface and can solidify to form igneous rock

ANSWERS: 511. hydrogen, 512. organ, 513. dwarf, 514. convince, 515. tectonic, 516. excite, 517. bingo, 518. chamber, 519. magma

520. gov\_\_\_\_\_nt funding *n.* the group of people with authority to control a country or state
521. online bi\_\_o website *n.* a game of chance in which players match numbers on a card with randomly drawn numbers to be the first to complete a specific pattern or sequence; sudden realization, success, or achievement
522. toxic ch\_\_\_\_\_als *adj.* relating to or connected with chemistry;
523. fr\_\_\_\_\_re test *n.* the breaking or cracking of a rigid material or object such as bone
524. a tour guide at the te\_\_\_\_e *n.* a place of worship, especially one that is associated with a particular religion or faith; the flat area on either side of the forehead
525. s\_\_f the Internet *v.* to ride on or through waves while standing or lying down on a board or other object; to search or browse the Internet or other computer networks in a casual or aimless manner
526. the da\_\_\_\_\_g of the Internet age *adj.* relating to or occurring at the beginning or early stages of something; characterized by the first appearance of light or knowledge; (noun) the beginning or first appearance of something
527. draw a pro\_\_\_\_\_on chart *n.* the act of calculating or guessing, or the state of being estimated; any solid shape or object that juts out from something; an image on a screen cast from something

ANSWERS: 520. government, 521. bingo, 522. chemical, 523. fracture, 524. temple, 525. surf, 526. dawning, 527. projection

528. adm\_\_\_\_\_er justice      *v.* to oversee and control the operation or arrangement of something
529. te\_\_\_e complex      *n.* a place of worship, especially one that is associated with a particular religion or faith; the flat area on either side of the forehead
530. a fossil se\_\_\_\_\_ll      *n.* a type of shell that once housed a mollusk, typically found on beaches or in shallow water
531. fire st\_\_k      *v.* to put something, usually a sharp object, into something; to restrict yourself to doing or using one certain thing and not change; (noun) a thin piece of wood or other material
532. criminal und\_\_\_\_\_ld      *n.* the criminal world or the world of organized crime; the realm of the dead in various mythologies

ANSWERS: 528. administer, 529. temple, 530. seashell, 531. stick, 532. underworld

## Session 3: Fill in the Blanks

1. A great stretch of the lake lay \_\_\_\_\_ them.  
*adv.* in or to a lower place than someone or something
2. The \_\_\_\_\_ of Japan is known for its unique culture and advanced technology.  
*n.* a large organized community of people living in a particular country or region and having a particular culture
3. \_\_\_\_\_ must consider this proposal in an unusual situation.  
*n.* a formal meeting of the representatives of different countries, constituent states, organizations, trade unions, political parties, or other groups
4. The budget reduction was an \_\_\_\_\_ feat for our nation.  
*adj.* arousing admiration due to size, quality, or skill
5. After the accident, three governmental bodies \_\_\_\_\_ the company.  
*v.* to oversee and control the operation or arrangement of something
6. The doctor recommended a \_\_\_\_\_ bandage to reduce swelling in the injured area.  
*n.* the act or process of pressing or squeezing something together, often using force or pressure; (of physics) the reduction of volume or increase in pressure of a gas or fluid
7. I don't have the \_\_\_\_\_ to take on any new projects, as I'm already working on multiple assignments.  
*n.* the amount of data that can be transmitted or processed at one time often used to describe the capacity of electronic communication or computing systems

ANSWERS: 1. beneath, 2. nation, 3. Congress, 4. impressive, 5. administer, 6. compression, 7. bandwidth



8. In \_\_\_\_\_ plants use carbon dioxide to feed themselves.
- n.* the process through which plants and other organisms transform light energy into chemical energy, which is then released through cellular respiration to power the organism's activities.
9. NASA sent a \_\_\_\_\_ to study the atmosphere of Jupiter.
- n.* a tool used for testing or examining, especially for medical or scientific purposes, or an exploratory mission to a planet or other celestial body; (verb) to investigate, examine, or search into something
10. The scratches on the car \_\_\_\_\_ its otherwise perfect appearance.
- v.* to damage or spoil the appearance or surface of something
11. The building's \_\_\_\_\_ system includes cameras, alarms, and security guards.
- n.* the state of being free from danger, risk, or harm; measures taken to protect against threats or attacks; a financial asset, such as a stock or bond that derives value exclusively from the ownership interest or claim to a particular underlying asset or obligation
12. The surgeon made an incision in the \_\_\_\_\_ between two ribs to access the patient's lungs.
- n.* the space between objects or parts, especially between two closely positioned objects; an interval or gap between two things
13. Her sudden \_\_\_\_\_ of her mistake caused her great regret.
- n.* the act or process of understanding or becoming aware of something; the act of achieving or completing something that was planned or desired; the act of making something real or tangible
14. It will take time for her mental scars to \_\_\_\_\_.
- v.* to make a wound or injury to become well again

ANSWERS: 8. photosynthesis, 9. probe, 10. marred, 11. security, 12. interspace, 13. realization, 14. heal

15. The \_\_\_ level of this soil is too acidic for these types of plants.  
*n.* a measure of the acidity or alkalinity of a substance, on a scale of 0 to 14, with seven being neutral, lower values indicating greater acidity, and higher values indicating greater alkalinity
16. Reading not only increases knowledge but also \_\_\_\_\_ life.  
*v.* to make better or improve in quality by adding something else
17. The \_\_\_\_\_ of the upcoming concert was palpable among the crowd.  
*n.* a feeling of great enthusiasm and eagerness
18. The perspective of his right brain \_\_\_\_\_ his consciousness.  
*v.* to have or control a lot of power and influence over somebody or something
19. The surgeon removed the tumor using \_\_\_\_\_ video assistance.  
*adj.* of or relating to mechanical robots; (robotics) the interdisciplinary branch of computer science and engineering with the practical use of robots
20. The unemployment rate in the first \_\_\_\_\_ was 2.3 percentage points higher than in the previous.  
*n.* one of four equal parts; a fourth part or portion
21. Her body felt \_\_\_\_\_ after sitting at her desk for hours without moving.  
*adj.* not easily bent, flexible, or pliable; difficult to move or be maneuvered; difficult to relax; having a heavy or formal manner
22. She gave a fantastic \_\_\_\_\_ at the conference and received a standing ovation.  
*n.* the act of formally introducing or displaying something to others; the manner in which something is presented or given visually, verbally, or otherwise

ANSWERS: 15. pH, 16. enriches, 17. excitement, 18. dominates, 19. robotic, 20. quarter, 21. stiff, 22. presentation

23. He was a visiting \_\_\_\_\_ professor at the University of Tokyo.

*n.* a science that deals with the history of the earth as recorded in rocks

24. A nutritious diet improves \_\_\_\_\_ functions.

*adj.* relating to or capable of causing or promoting digestion of food

25. Before driving, ensure you have a valid driver's \_\_\_\_\_.

*n.* an official permission or authorization to do, use, or own something; a legal document that grants the holder the right to perform certain activities, such as driving a car, practicing a profession, or using a particular product or service

26. The event organizer appointed a professional \_\_\_\_\_ to manage the flow of traffic.

*n.* a military officer of high rank or a person in charge of organizing or leading a parade or public event; a law enforcement official or officer responsible for maintaining order and enforcing regulations; (verb) to organize, arrange, or gather together resources, information, or people in a deliberate and systematic manner

27. She was so engrossed in her work that she was \_\_\_\_\_ to her surroundings.

*adj.* not aware of something, especially what is happening around you; forgetful

28. The severe heat wave \_\_\_\_\_ railway tracks.

*v.* to bend out of shape, as under pressure or from heat; (noun) a device used for fastening two loose ends of a belt or strap

29. This evidence supports the big-bang \_\_\_\_\_.

*n.* a proposed idea or explanation that is based on a few known facts but has not yet been proven to be true or accurate

ANSWERS: 23. geology, 24. digestive, 25. license, 26. marshal, 27. oblivious, 28. buckled, 29. hypothesis

30. The lecture was so \_\_\_\_\_ that many people fell asleep.

*adj.* lacking interest or excitement; tedious or dull

31. I am considering what I should do to \_\_\_\_\_ him.

*v.* to persuade someone or make someone believe that something is true

32. The \_\_\_\_\_ ship sank on its maiden voyage.

*adj.* of or having a great size, power, or influence; of or relating to Titanium (= a light, strong grey, lustrous, corrosion-resistant metallic element)

33. Our team caught a \_\_\_\_\_ of the world-class technique in this game.

*n.* a brief or partial view; the act of seeing something or someone for a very short time or only partly

34. The golfer recorded an \_\_\_\_\_ distance.

*adj.* extremely surprising, especially in a way that you like or admire

35. The machine pumps up crude oil from a deep underground \_\_\_\_\_.

*n.* a natural or artificial lake used to store water for community use; a large or extra supply of something

36. The researcher separated the nervous \_\_\_\_\_ for microscopic examinations.

*n.* an ensemble of similar cells of the animal or plant that together carry out a specific function

37. The experiment was \_\_\_\_\_ several times to ensure accuracy.

*v.* to make an exact copy of something; to repeat a process or experiment to confirm the results

ANSWERS: 30. boring, 31. convince, 32. titanic, 33. glimpse, 34. amazing, 35. reservoir, 36. tissue, 37. replicated

38. Exposure to high levels of \_\_\_\_\_ can irritate the eyes, nose, and throat, as well as respiratory problems and cancer.
- n.* a colorless, flammable liquid with a strong, pungent smell used as a preservative and in the manufacture of various products
39. \_\_\_\_\_ diamonds play an essential role as machine tool blades.
- adj.* made by combining chemical substances as opposed to being naturally occurring
40. The train \_\_\_\_\_ was a hub for commuters and travelers.
- n.* a place or a building where goods, materials, or equipment are stored, manufactured, or distributed; a transportation hub where buses or trains start or end their journeys
41. \_\_\_\_\_ prevalent in hospitals are often resistant to antibiotics.
- n.* single-celled or noncellular spherical or spiral or rod-shaped organisms that exist in large numbers in the air, water, and soil, and also in living and dead creatures and plants, and are often a cause of disease
42. The news of her promotion \_\_\_\_\_ her.
- v.* to make someone feel suddenly enthusiastic or eager
43. The geologists studied the \_\_\_\_\_ in the rock layers to understand the folding process.
- n.* a geological fold or rock formation in which the layers of rock are bent or curved downward, creating a concave shape resembling a trough or basin
44. He made the old \_\_\_\_\_ coins shine.
- n.* a chemical element that is a soft, malleable, and ductile metal with very high thermal and electrical conductivity

ANSWERS: 38. formaldehyde, 39. Synthetic, 40. depot, 41. Bacteria, 42. excited, 43. syncline, 44. copper

45. I decided to seek counseling on the advice of my \_\_\_\_\_.
- n.* one of a group of a coworker, especially in a profession or a business
46. The weather forecast includes a \_\_\_\_\_ of the high and low temperatures for the next week.
- n.* the act of calculating or guessing, or the state of being estimated; any solid shape or object that juts out from something; an image on a screen cast from something
47. Global \_\_\_\_\_ is rising in virtually every industry.
- n.* a situation in which someone is attempting to beat or outperform another
48. The following \_\_\_\_\_ is currently being used to explain the phenomenon in question.
- n.* the information or arguments that someone provides to make something understandable or clear
49. The \_\_\_\_\_ ordered the troops to fire.
- n.* the leader of a group of people, especially who is in charge of a ship or aircraft
50. The pond's \_\_\_\_\_ was around five feet.
- n.* the distance between the top and bottom of something; between the top surface and a distance below it
51. The mobile application industry is \_\_\_\_\_ changing.
- adv.* all the time
52. Hydrogen and oxygen \_\_\_\_\_ to form water.
- v.* to join or merge to form a single thing or group

ANSWERS: 45. colleague, 46. projection, 47. competition, 48. explanation, 49. captain, 50. depth, 51. constantly, 52. combine

53. The \_\_\_\_\_ to the Amazon jungle was both exciting and challenging.  
*n.* a journey or voyage for a specific purpose
54. These heavy rains caused flash \_\_\_\_\_ on several islands.  
*n.* a large amount of water flowing beyond its normal limits; an overwhelming number or amount
55. Their love of discovery and exploration often \_\_\_\_\_ the adventurous spirit of the explorer.  
*v.* to describe the distinctive nature or features of someone or something; to be a distinguishing feature of
56. The car was completely \_\_\_\_\_ in the accident.  
*v.* to press it firmly, usually with your hands or a tool, so that it becomes flat or smaller
57. The mathematical equation had a \_\_\_\_\_ solution that was easy to follow.  
*adj.* characterized by clear and sound reasoning; following a rational and systematic approach; based on or in accordance with logic or reason
58. They worked hard to \_\_\_\_\_ the nature of their native lands.  
*v.* to keep or maintain a particular quality, feature, etc., especially to prevent it from decaying, being damaged, or being destroyed
59. They took the \_\_\_\_\_ step toward reconciliation.  
*adj.* of or happening at the beginning; (noun) the first letter of a word, especially a person's name
60. She had to \_\_\_\_\_ her stance on the issue to gain support from her colleagues.  
*v.* to make something firm, solid, or resistant; to toughen or strengthen physically or emotionally; to become more rigid or less flexible

ANSWERS: 53. expedition, 54. floods, 55. characterizes, 56. crushed, 57. logical, 58. preserve, 59. initial, 60. harden

61. The battlefield became \_\_\_\_\_ on earth.
- n.* the place thought to be where bad people go and are punished after death, often depicted as being located beneath the earth; an extraordinarily unpleasant or difficult place
62. The food chain causes a material \_\_\_\_\_.
- n.* an interval during which a recurring sequence of events occurs; a bicycle or motorcycle
63. The deep sea \_\_\_\_\_ was unlike anything the scientists had ever seen before.
- n.* a living being, especially an animal
64. There are many \_\_\_\_\_ regions of the ocean that scientists hope to study soon.
- adj.* not yet examined, investigated, or studied; lacking in knowledge or information; unknown or undiscovered
65. The bread's \_\_\_\_\_ was golden brown and crispy.
- n.* a hard outer layer that forms on the surface of a liquid as it cools or on a solid as a result of exposure to air or moisture
66. He has a flair for \_\_\_\_\_.
- n.* the science dealing with the logic of quantities, shapes, spaces, and arrangement
67. \_\_\_\_\_ bees are boring holes into the wall.
- n.* a woodworker whose job is to make or repair wooden objects
68. The government \_\_\_\_\_ regulated the country's food and drug safety standards.
- n.* an organization or business that is responsible for specific activities or services, especially when representing other organizations or businesses; the capacity or power to act or exert influence; the ability to make decisions and take action

ANSWERS: 61. hell, 62. cycle, 63. creature, 64. unexplored, 65. crust, 66. mathematics, 67. Carpenter, 68. agency



69. It's important to understand the \_\_\_\_\_ of a situation before making a decision.  
*n.* the circumstances, facts, or conditions that surround a particular event, situation, or statement and that give it meaning
70. The \_\_\_\_\_ metal was poured into the mold.  
*adj.* in a liquid state as a result of being heated
71. The \_\_\_\_\_ of the earthquake was measured at 7.8 on the Richter scale.  
*n.* the extent, level, importance, or amount of something
72. The \_\_\_\_\_ of his anxiety was evident in his shaking hands.  
*n.* a visible or tangible form of something, especially a particular sign of a disease or condition
73. Her response revealed \_\_\_\_\_ idiocy.  
*adj.* unbelievable; enormous
74. The sea surface temperature and \_\_\_\_\_ circulation are inextricably linked.  
*adj.* about or located in the earth's atmosphere
75. The city is famous for its magnificent \_\_\_\_\_.  
*n.* a large and imposing building
76. The penny fell \_\_\_\_\_ the piano.  
*adv.* under or below something else
77. It is an incredible \_\_\_\_\_ to climb Mount Everest, the highest mountain in the world.  
*n.* a notable or impressive achievement, especially one that requires great skill or bravery

ANSWERS: 69. context, 70. molten, 71. magnitude, 72. manifestation, 73. incredible, 74. atmospheric, 75. edifice, 76. underneath, 77. feat

78. The garden was filled with \_\_\_\_\_ and needed to be tilled before planting.
- n.* soil, dust, or any substance that makes a surface not clean; the part of the earth's surface consisting of humus and disintegrated rock
79. I always \_\_\_\_\_ my dog after she swims in the lake.
- v.* to wash or immerse oneself or another person in the water or a liquid; to expose a part of the body to a natural element, such as sunlight or air
80. The president states emphatically that the opponent country is a \_\_\_\_\_ state that supports terrorism.
- n.* a deceitful and unreliable person; a person who behaves badly
81. He told me a \_\_\_\_\_ truth about my parent's death.
- n.* the long tube in the body of a person or animal through which food passes when it leaves the stomach; the mental strength or bravery required to do something difficult or unpleasant
82. The government tried to \_\_\_\_\_ the commercialization of this development.
- v.* to make something faster or earlier; to cause to develop or progress more quickly
83. Her research team made an important \_\_\_\_\_.
- n.* the act or process of finding information, a place, or an object, or learning about something that was previously not known
84. The \_\_\_\_\_ and the oxygen react and then form water.
- n.* the chemical element that is the lightest gas is colorless, odorless, tasteless, and combines with oxygen to form water
85. We had a \_\_\_\_\_ time yesterday.
- adj.* very great in degree or extent or amount or impact; extremely good

ANSWERS: 78. dirt, 79. bathe, 80. rogue, 81. gut-wrenching, 82. accelerate, 83. discovery, 84. hydrogen, 85. tremendous

86. Global \_\_\_\_\_ plays a critical role in the formation of mountain ranges and the movement of Earth's crustal plates.
- n.* the study of the processes that shape the Earth's surface, including the movements of tectonic plates, earthquakes, and volcanic activity
87. This weather pattern is unique to the southern \_\_\_\_\_.
- n.* half of the terrestrial globe; half of a sphere
88. Basketball is their usual \_\_\_\_\_ after school.
- n.* the activity that renews your health and spirits by enjoyment and relaxation; the act or process of making something that existed in the past exists or seems to exist again in a different time or place
89. Solar gravity creates \_\_\_\_\_ pressures and temperatures.
- adj.* very great in amount or degree
90. \_\_\_\_\_ surveys study the physical characteristics of the Earth's surface and subsurface.
- adj.* relating to the physical characteristics and processes of the Earth and its surrounding atmospheres, such as geology, meteorology, and oceanography
91. This company has invested heavily in Internet \_\_\_\_\_.
- n.* the activity of buying and selling things, especially on a large scale
92. He had to \_\_\_\_\_ two hours each way to get to work.
- v.* to regularly travel a particular journey, especially between one's home and place of work; (noun) a regular journey of some distance to and from your place of work
93. You \_\_\_\_\_ a bill in the change machine, and the coins pop out.
- v.* to put something, usually a sharp object, into something; to restrict yourself to doing or using one certain thing and not change; (noun) a thin piece of wood or other material

ANSWERS: 86. tectonics, 87. hemisphere, 88. recreation, 89. extreme, 90. Geophysical, 91. commerce, 92. commute, 93. stick

94. He called for a careful \_\_\_\_\_ of the consequences.  
*n.* the activity of searching and finding out about something through a place
95. The new hiking shoes gave me a \_\_\_\_\_ on my heel after just a few miles of walking.  
*n.* a small, fluid-filled bubble on the skin caused by friction, burning, or other skin irritation; can also refer to a similar bubble found in other materials; (verb) to become covered with blisters or to cause blisters to form; to criticize or rebuke severely
96. He is good at swimming \_\_\_\_\_.  
*adv.* below or under the surface of the water
97. He was alert and could not \_\_\_\_\_ any critical information out of him.  
*v.* to cause water, air, gas, etc. to move from one place to another by using mechanical equipment; to get or supply something such as money, information, etc. in significant quantities
98. The \_\_\_\_\_ in the room was palpable as the team waited for their leader to speak.  
*n.* a state of mental or emotional strain or excitement; the state of being stretched tight
99. The \_\_\_\_\_ weather made staying motivated and happy throughout the day hard.  
*adj.* characterized by a lack of light or sunshine, resulting in a dark or dim atmosphere; feeling despondent, dismal, or melancholy
100. The \_\_\_\_\_ smell of freshly brewed coffee filled the room.  
*adj.* able to pierce or enter deeply into something; having a sharp, intense quality that cuts through superficiality or confusion

ANSWERS: 94. exploration, 95. blister, 96. underwater, 97. pump, 98. tension, 99. gloomy, 100. penetrating

101. It is important to \_\_\_\_\_ accurate information to the public to prevent false rumors from spreading.
- v.* to spread or distribute widely, especially information or ideas; to scatter or disperse
102. \_\_\_\_\_ chambers are large underground reservoirs where molten rock is stored before an eruption.
- n.* molten rock that is located beneath the earth's surface and can solidify to form igneous rock
103. The \_\_\_\_\_ planet Pluto is much smaller than earth and orbits the sun.
- n.* a person or animal that is much smaller than usual or expected for its type; a celestial body, especially a planet, that is smaller and less massive than a star
104. The professor explained the \_\_\_\_\_ of the nervous system.
- n.* the scientific study that deals with the physical structure of humans, animals, or plants
105. In the hospital, she will remain under constant \_\_\_\_\_.
- n.* the act or activity of carefully examining or monitoring something or someone
106. The new office building was constructed with \_\_\_\_\_ materials, which helped save time and money.
- adj.* constructed or made in advance, often in sections or components, before being assembled on-site; manufactured or built in a factory rather than on-site
107. He visited the \_\_\_\_\_ to pray and make offerings to the gods.
- n.* a place of worship, especially one that is associated with a particular religion or faith; the flat area on either side of the forehead

ANSWERS: 101. disseminate, 102. Magma, 103. dwarf, 104. anatomy, 105. observation, 106. prefabricated, 107. temple

108. The \_\_\_\_ of Mexico is a body of water in the southern United States.  
*n.* a large ocean inlet or deep bay that is partially enclosed by land
109. She received her \_\_\_\_\_ in psychology from the university.  
*n.* a unit of measurement for angles, temperature, or level of proficiency or achievement; a rank or level of academic or professional attainment
110. The interests of the two countries \_\_\_\_\_.  
*v.* to hit something violently when moving
111. The \_\_\_\_\_ breakfast at the hotel was included with the room.  
*adj.* of or relating to a continent (= one of the earth's large landmasses)
112. The volcano's eruption caused a \_\_\_\_ river to flow down the mountainside.  
*n.* molten rock that has been extruded from a volcano and solidified; a highly fluid, highly heated substance or material
113. He wandered the \_\_\_\_\_ between life and death by gunfire.  
*n.* a real or imaginary line that marks the limit or extent of something and separates it from other things or places
114. Every human is responsible for taking care of the Earth's \_\_\_\_\_.  
*n.* the natural world such as air, water, and land in which humans, animals, and plants live
115. The con artist's lies quickly took in the \_\_\_\_ young man.  
*adj.* showing unaffected simplicity and lack of experience, wisdom, or judgment
116. They won big at \_\_\_\_ last night, taking home the grand prize.  
*n.* a game of chance in which players match numbers on a card with randomly drawn numbers to be the first to complete a specific pattern or sequence; sudden realization, success, or achievement

ANSWERS: 108. Gulf, 109. degree, 110. collide, 111. continental, 112. lava, 113. boundary, 114. environment, 115. naive, 116. bingo

117. The \_\_\_\_\_ partially destroyed my vehicle.

*n.* an unfortunate event, especially one causing damage or injury

118. The city planning department keeps detailed \_\_\_\_\_ of all the local properties.

*n.* a map or a plan that shows the division and layout of land into lots or parcels; a piece of land typically used for building or agricultural purposes

119. The museum has a vast collection of Greek \_\_\_\_\_.

*n.* a person-made object, especially one of historical or cultural interest

120. The \_\_\_\_\_ had received a mild snowfall the previous week.

*n.* a long depression on the surface of the land, which typically contains a river

121. He \_\_\_\_\_ himself in his research.

*v.* to become fully involved in a particular activity; to dip or submerge in a liquid, especially so that they or it are entirely covered

122. The firm has grown into a large \_\_\_\_\_ manufacturing.

*adj.* relating to or connected with chemistry;

123. The \_\_\_\_\_ to the new class was informative and engaging.

*n.* a preliminary explanation or remarks given before the start of a text, performance, or event; the act of bringing something new into existence or introducing something to a wider audience or new market

124. The sperm whale can \_\_\_\_\_ to 1,000 meters.

*v.* to jump into the water with your head and arms going in first, or to move down to a deeper level underwater

ANSWERS: 117. accident, 118. plats, 119. artifacts, 120. valley, 121. immersed, 122. chemical, 123. introduction, 124. dive

125. The Yellowstone \_\_\_\_\_ is one of the world's largest volcanic craters.

- n.* a large, basin-shaped volcanic crater typically formed by a massive eruption or the collapse of a volcanic cone, often filled with water to form a lake or isolated ecosystem

126. Her resistance \_\_\_\_\_ under his persuasion.

- v.* to turn from something solid into something soft or liquid as a result of heating

127. Water is \_\_\_\_\_ from the faucet.

- v.* to fall in drops or make it fall in drops; (noun) liquid or moisture that falls in drops

128. The recent economic downturn has resulted in \_\_\_\_\_ layoffs.

- adj.* enormous amount; very heavy and solid

129. The abandoned ship slowly began to \_\_\_\_\_ into the murky waters of the harbor.

- v.* to submerge or go down below the surface of a liquid or substance; to decline or deteriorate; to cause something to go down into a liquid substance or sink into something else

130. The geologist discovered an unusual \_\_\_\_\_ formation during her research.

- n.* a geological formation in which a mass of plastically flowing material, such as magma or salt, rises through the surrounding rock layers due to buoyancy or pressure

131. The football team suffered a humiliating \_\_\_\_\_ in the championship game.

- n.* a disorderly retreat or defeat of an army or group; a decisive defeat

132. The computer screen displayed nothing but a \_\_\_\_\_ white screen

- adj.* without any writing or printing; empty or devoid of ideas, information, or meaning; unable to remember or recall information

ANSWERS: 125. caldera, 126. melted, 127. dripping, 128. massive, 129. sink, 130. diapir, 131. rout, 132. blank



133. In every civilization, rulers have tried everything possible to obtain \_\_\_\_\_ life.

*adj.* being without beginning or end; lasting forever

134. I made a \_\_\_\_\_ at the bank to add money to my account.

*n.* a sum of money or materials placed or kept in a bank, safety deposit box, or other secure places for safekeeping; a layer of rock, sand, or other material left behind by a flowing liquid or eroding force

135. Their disagreement caused a \_\_\_\_\_ in their friendship.

*n.* a break or fissure in a relationship, organization, or physical structure; a large crack in the ground, rock, or other surfaces

136. Character \_\_\_\_\_ is one of the goals of education.

*n.* the way something is created naturally or the way it has been arranged

137. \_\_\_\_\_ is the day to celebrate the birth of Christ.

*n.* the man that Christians believe is the prophet and the son of God, and whose life and sermons form the basis for Christianity

138. All the supervisor has to do is assign tasks that make his subordinates more \_\_\_\_\_.

*adj.* relating to or involving the use of skill and original and unusual ideas to create something

139. Another critical factor of child poverty is the father's \_\_\_\_\_.

*n.* the fact or condition of being away from a place where they are typically anticipated to be

140. Her beautiful voice \_\_\_\_\_ the audience.

*adj.* feeling great pleasure, happiness, or joy

ANSWERS: 133. eternal, 134. deposit, 135. rift, 136. formation, 137. Christmas, 138. creative, 139. absence, 140. enraptured

141. I heard the \_\_\_\_\_ of conversation from the next room.

- v.* to make a continuous, low humming sound such as the one bee makes; an exciting and active atmosphere

142. European powers \_\_\_\_\_ much of the Americas in the 16th and 17th centuries.

- v.* to establish a colony in or on a specific place; to settle or occupy in large numbers

143. She took the dress to the tailor to fix the torn \_\_\_\_\_.

- n.* a line of stitching or joining where two pieces of fabric or material are united; also, a narrow furrow or fissure in rock or soil

144. The \_\_\_\_\_ officer was responsible for the safety and well-being of the crew on his ship.

- adj.* of or relating to ships, sailors, or the navy

145. The \_\_\_\_\_ plates shifted, causing an earthquake.

- adj.* relating to the structure of the Earth's crust and the large-scale processes that occur as a result of movements within it

146. I'll \_\_\_\_\_ the online store to see if I can find that item in a different color.

- v.* to ride on or through waves while standing or lying down on a board or other object; to search or browse the Internet or other computer networks in a casual or aimless manner

147. We need to \_\_\_\_\_ the aspect of his personality from the part of his competence when making an investment decision.

- v.* to force, take, or pull apart; mark as different

ANSWERS: 141. buzz, 142. colonized, 143. seam, 144. naval, 145. tectonic, 146. surf, 147. separate

148. Divers discovered the remains of an old \_\_\_\_\_ while exploring the reef.  
*n.* the destruction or loss of a ship at sea, usually caused by sinking or running aground; the remains or wreckage of a ship that has been destroyed or lost at sea
149. The management must \_\_\_\_\_ strategies to increase office security.  
*v.* to travel to or penetrate an area or a country to learn about it; to thoroughly examine a subject or a possibility to learn more about it
150. Departments may set requirements for a higher \_\_\_\_\_ point average.  
*n.* a particular level of quality, size, importance, etc.
151. The kidney is an \_\_\_\_\_ component of the body.  
*adj.* of or derived from biological substance; producing plants and animals for food and other items without the use of synthetic chemicals
152. The recipe called for a teaspoon of \_\_\_\_\_ to add flavor.  
*n.* a strong solution of salt water used for preserving food, especially meat or fish; saline water found in salt mines or evaporated from seawater
153. The desert is known for its \_\_\_\_\_ terrain with no sign of vegetation.  
*adj.* unable to produce or sustain growth; lacking fertility; unproductive; lacking interest, excitement, or creativity; empty or desolate
154. He was reluctant to leave his comfort \_\_\_\_\_ and try something new.  
*n.* a specific area, region, or section that is marked off or defined in some way
155. She \_\_\_\_\_ over the tree root.  
*v.* to miss a step and fall or nearly fall; to walk unsteadily

ANSWERS: 148. shipwreck, 149. explore, 150. grade, 151. organic, 152. brine, 153. barren, 154. zone, 155. stumbled

156. Your \_\_\_\_\_ is capable of distinguishing among similar objects.  
*n.* the ability to think logically and comprehend information, especially at an advanced level
157. I love collecting \_\_\_\_\_ on the beach and displaying them in a jar at home.  
*n.* a type of shell that once housed a mollusk, typically found on beaches or in shallow water
158. The ladder leaned against the \_\_\_\_\_ surface of the building.  
*adj.* upright or perpendicular to a horizontal surface or line
159. During transit, the stuff may \_\_\_ off the luggage tag.  
*v.* to tear something or be torn violently or suddenly
160. The \_\_\_\_\_ exercised great care in landing.  
*n.* a person who flies an aircraft, especially as a job; a person qualified to guide ships through a difficult area of water
161. Many people worry that the current real estate market is a \_\_\_\_\_ that could burst soon.  
*n.* a thin, round, and often transparent mass of gas that is surrounded by a thin layer of liquid; a state of economic or social prosperity that is unsustainable and eventually collapses
162. The mine produces high-quality iron \_\_\_\_\_.  
*n.* a naturally occurring mineral or rock from which a valuable substance, typically a metal, can be extracted through mining or other extraction methods
163. He became \_\_\_\_\_ successful in the entertainment industry.  
*adv.* extremely or exceptionally, especially in a way that is surprising

ANSWERS: 156. intellect, 157. seashells, 158. vertical, 159. rip, 160. pilot, 161. bubble, 162. ore, 163. phenomenally

164. A diversified plant species generally enhances beneficial \_\_\_\_\_ populations.  
*n.* a tiny living thing
165. Aboriginal people killed the \_\_\_\_\_ who entered the sacred land for them.  
*n.* a person who travels to places where no one or few people have been before to find out what is there
166. The museum had kept the paintings in remarkable \_\_\_\_\_.  
*n.* the act of keeping something in its original state or of preventing it from being damaged
167. He dropped his \_\_\_\_ at the unexpected sight.  
*n.* either of the two bones at the bottom of the face that moves when you open your mouth; (verb) talk socially without exchanging too much information
168. Having a \_\_\_\_\_ healthy physique is essential for a great life.  
*adv.* in a way related to a person's body or appearance rather than their mind
169. He was an atheist and therefore did not believe in the \_\_\_\_\_ of heaven or hell.  
*n.* the state or fact of someone or something existing
170. He was pretty \_\_\_\_\_ to pass the exam.  
*adj.* having good luck or lucky
171. Many countries have now agreed to a treaty banning the use of \_\_\_\_\_ weapons.  
*adj.* of or relating to or constituting the nucleus of an atom; deriving destructive energy from the release of atomic energy

ANSWERS: 164. organism, 165. explorer, 166. preservation, 167. jaw, 168. physically, 169. existence, 170. fortunate, 171. nuclear

172. Flight across the \_\_\_\_\_ was a daring adventure in its day.

- n.* one of the earth's large landmasses; (adjective) abstaining from your feelings, especially your desire to have sex

173. The ability to \_\_\_\_\_ people is a priceless asset.

- v.* to make someone want to do something, especially something that requires tremendous work and effort

174. Along the gravel roads, sizeable yellow school buses \_\_\_\_\_.

- v.* to move forward slowly, as people or animals with their bodies near the ground

175. We elected him to \_\_\_\_\_ us at the international conference.

- v.* to speak, act, or be present on behalf of another person or group; to form or constitute

176. This study indicates \_\_\_\_\_ activity affects global warming.

- adj.* relating to or produced by or consisting of volcano

177. The politician's remarks became the \_\_\_\_\_ of the clash between the two countries.

- n.* the origin or beginning of something; the first book of the biblical scriptures of both Judaism and Christianity, describing the creation of the Earth and humankind

178. The garden was filled with a \_\_\_\_\_ of colorful flowers and plants.

- n.* abundance; a large quantity or number of something

179. The bubbling mud in the hot spring occasionally \_\_\_\_\_ up a foul odor.

- v.* to expel air from the stomach through the mouth with a noisy or offensive sound, typically as a result of swallowing air or because of indigestion

ANSWERS: 172. continent, 173. motivate, 174. crawl, 175. represent, 176. volcanic, 177. genesis, 178. profusion, 179. belch

180. The general gave a \_\_\_\_\_ to his troops to prepare for battle.

- n.* authority, control, or mastery over something, often referring to military or leadership contexts; a directive, order, or instruction; expertise or confidence in a specific area; (verb) to give an authoritative order or instruction, or to be in charge or control of something

181. The \_\_\_\_\_ must have an acidity level high enough to inhibit the growth of bacteria.

- n.* vegetables or fruit preserved in salty water or vinegar served cold with meat, salads, etc.; informal terms for a difficult situation

182. The \_\_\_\_\_ movement of the car caused it to skid off the road.

- adj.* relating to or situated on the side; moving or extending sideways; involving or relating to the transfer of information or responsibilities between individuals or departments within an organization

183. Her voice gradually increased in \_\_\_\_\_.

- n.* the property of sound that varies with variation in the frequency of vibration; the degree of a slope, especially of a roof; short presentation for selling or sharing something

184. His \_\_\_\_\_ speech about his struggles with addiction brought tears to the audience's eyes.

- adj.* causing strong emotions or feelings, especially sadness or sympathy

185. \_\_\_\_\_ help dispose of the food waste produced by humans.

- n.* a long, thin creature with a soft and long cylindrical tube-like body, no limbs, and a lack of eyes

186. That \_\_\_\_\_ group actively advocated environmental protection to the government.

- n.* a large area inside the entrance of a public building where people can meet and wait; a group of people who try to persuade a politician, the government, or an official group to influence legislation

ANSWERS: 180. command, 181. pickle, 182. lateral, 183. pitch, 184. moving, 185. Worms, 186. lobby

187. He felt like \_\_\_\_\_ when he tasted the delicious chocolate cake.

- n.* (of various religious and mythological traditions) a place or state of existence considered to be the abode of the divine, the afterlife, or a higher realm of being; a state of great happiness, contentment, or beauty

188. The \_\_\_\_\_ for applying for a visa can be lengthy and complicated.

- n.* a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products

189. The \_\_\_\_\_ train was packed with commuters during rush hour.

- n.* a cylindrical container of metal, plastic, glass, etc., usually sealed and used as a means of preserving food or chemicals; a hollow cylindrical shape

190. The \_\_\_\_\_ of the country is struggling due to the recent political instability.

- n.* the system by which a country or region produces manages, and distributes goods and services, including the money and finances involved in these activities; (of an airline) the lowest-priced, most basic option for seating in commercial travel

191. The soil in this region is too \_\_\_\_\_ for most crops to grow well.

- adj.* having a pH lower than 7; having characteristics of an acid, such as tasting sour or corroding metal

192. The students' antics did not amuse the \_\_\_\_\_ teacher.

- adj.* serious, unyielding, or strict in manner or attitude

193. The case fell under the \_\_\_\_\_ of the state court system.

- n.* the extent or range of authority, power, or control exercised by a particular entity or organization, such as a government or court; the area within which such authority or control is exercised

ANSWERS: 187. heaven, 188. process, 189. tube, 190. economy, 191. acidic, 192. stern, 193. jurisdiction



194. Consumption of vegetables may aid in the prevention of \_\_\_\_\_ cancer.
- n.* the punctuation mark ( : ) used to introduce a list, summary, explanation, etc., or before reporting what someone has said; a significant part of the large intestine, the final section of the digestive system
195. The \_\_\_\_ of the swamp made it difficult to walk through the field.
- n.* a soft, wet, sticky earth or clay
196. It's \_\_\_\_\_ to blame the teachers for the education system's failures.
- adj.* so ridiculous, unreasonable, or out of place as to be amusing; absurd
197. They have been living near water since \_\_\_\_\_ times.
- adj.* relating to the long ago, particularly the historical period preceding the fall of the Western Roman Empire; very old
198. I ordered a \_\_\_\_\_ tonic at the bar.
- n.* a distilled alcoholic beverage made from fermented grains or potatoes, typically with high alcohol content and little or no added flavoring
199. The Great Pyramid of Giza was built using blocks of \_\_\_\_\_.
- n.* a sedimentary rock that is composed mainly of calcium carbonate, which is the mineral calcite
200. \_\_\_\_ supplements are often recommended for people who are deficient in this mineral.
- n.* a metallic element that is found in small amounts in the earth's crust and is used in the manufacture of brass and alloys, and is required to maintain human's health
201. The \_\_\_\_\_ research center is dedicated to studying the impacts of climate change on the ocean's ecosystem.
- n.* the scientific study of oceans and other bodies of saltwater, including their physical, chemical, and biological characteristics, as well as their interactions with the atmosphere and land

ANSWERS: 194. colon, 195. mud, 196. ludicrous, 197. ancient, 198. vodka, 199.

limestone, 200. Zinc, 201. oceanography

202. Launching an artificial \_\_\_\_\_ contributed to the technological development of our country.
- n.* an electronic device that is sent up into space and moves around the Earth or another planet, used for gathering information or communicating by radio, television, etc.
203. One bad apple spoils the whole \_\_\_\_\_.
- n.* a grouping of several similar things which are growing or fastened together
204. This remote \_\_\_\_\_ is rarely visited.
- n.* a particular location or place; a small round or roundish area, differing in color or feels from the surface around it
205. Many employers hire \_\_\_\_\_ trainees to train as managers.
- n.* a person who has a first degree from university or college; (verb) to complete the first course of university or college and get a degree
206. The surgeon made an incision in the \_\_\_\_\_ of the patient's heart.
- n.* a large room used for a formal, public, or particular purpose; one of the parts of a parliament
207. He \_\_\_\_\_ the wall in anger.
- v.* to strike someone or something with one's fist; to make a hole in something
208. The earth's \_\_\_\_\_ of rotation is tilted 66.5 degrees to the ecliptic plane.
- n.* a real or imaginary straight line through a body or figure around which the object turns; a group of countries in special alliance
209. I \_\_\_\_\_ around for years in Europe before going to university.
- v.* to move smoothly and slowly in water or air, especially as a result of outside forces, with no control over the direction

ANSWERS: 202. satellite, 203. bunch, 204. spot, 205. graduate, 206. chambers, 207. punched, 208. axis, 209. drifted

210. It's notoriously challenging to \_\_\_\_\_ birth rates.

- v.* to state beforehand that something will happen in the future, mainly based on knowledge or experience

211. The island was formed by a \_\_\_\_\_ millions of years ago.

- n.* a mountain or hill, typically conical, having a crater or vent through which lava, rock fragments, hot vapor, and gas are or have been erupted from the earth's crust.

212. The path to a solid online \_\_\_\_\_ necessitates a high technical ability.

- n.* the fact or state that someone or something exists, occurs, or is present

213. The \_\_\_\_\_ realization of their mistake was evident on their faces.

- adj.* relating to or occurring at the beginning or early stages of something; characterized by the first appearance of light or knowledge; (noun) the beginning or first appearance of something

214. The \_\_\_\_\_ activity in this area creates a unique environment for marine creatures.

- adj.* relating to hot water or steam, especially in the Earth's crust, and the thermal energy and chemical reactions that occur as a result

215. The athlete's \_\_\_\_\_ performance broke all previous records.

- adj.* extremely good or impressive; outstanding

216. The marathon runner covered a long \_\_\_\_\_ in a short amount of time.

- n.* the amount of space between two points, measured in units such as miles, meters, or kilometers; the extent, scope, or range between two things, such as distance or emotional distance

ANSWERS: 210. predict, 211. volcano, 212. presence, 213. dawning, 214. hydrothermal, 215. phenomenal, 216. distance

217. Since independence, the area has been completely \_\_\_\_\_.

- v.* to intentionally not listen or pay attention to

218. The passenger grabbed for the \_\_\_\_\_ mask.

- n.* the chemical element with the symbol O that is present in air and water and is necessary for people, animals, and plants to live

219. The \_\_\_\_\_ emissions from the nearby factory caused the rotten egg smell.

- n.* (also sulphur) a chemical element with the symbol S and atomic number 16, found in many minerals and sulfur compounds, often used in the production of fertilizers, rubber, paper, and other industrial applications

220. The sheep were tagged with numbered plastic \_\_\_\_\_ in their ears.

- n.* a small cylindrical or tapered pin used to fasten or secure something, such as clothing, on a line, or in carpentry and woodworking; (verb) to fasten or secure something using a peg or similar object; to mark or indicate a level or position using a peg or similar object

221. The story of Orpheus and Eurydice is said to have taken place in the \_\_\_\_\_ where Orpheus attempted to rescue his wife from the realm of the dead.

- n.* the criminal world or the world of organized crime; the realm of the dead in various mythologies

222. The federal \_\_\_\_\_ is planning to increase taxes for the next fiscal year.

- n.* the group of people with authority to control a country or state

223. To expand the company, we must \_\_\_\_\_ new human resources.

- v.* to hit someone or something quickly, gently, and often repeatedly; to use existing resources, such as energy, knowledge, etc.

ANSWERS: 217. ignored, 218. oxygen, 219. sulfur, 220. pegs, 221. underworld, 222. government, 223. tap

224. The ignition of \_\_\_\_\_ gas in the plant killed five employees.

- n.* a chemical compound with the chemical formula CH<sub>4</sub> with no smell or color, often used as a fuel

225. Missile assaults on the capital continued around \_\_\_\_\_.

- n.* the time of day when the sun's light starts to show in the sky

226. I remembered that person \_\_\_\_\_ and never forgot.

- adv.* immediately

227. Mercury is the closest \_\_\_\_\_ to the sun.

- n.* any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star

228. The \_\_\_\_\_ in the factory was constantly emitting dark smoke.

- n.* a vertical structure that channels smoke or gas from a fire or furnace out of a building; a hollow column or tube that facilitates air or fluid flow throughout a system

229. Cities around the world set records for highest \_\_\_\_\_ this summer.

- n.* the degree of hotness or coldness of a thing or place

230. These infections have the potential to impact practically every \_\_\_\_\_ system.

- n.* a part of the body of an animal or plant that has a particular purpose and performs a specific job

231. The \_\_\_\_\_ vehicle can explore the depths of the ocean.

- adj.* able to be operated or used underwater; capable of being submerged in water or other liquid

ANSWERS: 224. methane, 225. dawn, 226. instantly, 227. planet, 228. chimney, 229. temperatures, 230. organ, 231. submersible

232. The military \_\_\_\_\_ disappeared without a trace.

- n.* a type of underwater vehicle or vessel that can operate beneath the surface of the water; (adjective) beneath the surface of the sea

233. The \_\_\_\_\_ will repair my telephone tomorrow morning.

- n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software

234. The archaeologists \_\_\_\_\_ the ruins of an ancient city buried under the desert sands.

- v.* to dig or remove earth, rocks, or other materials from the ground or a site, often to uncover or discover something

235. The \_\_\_\_\_ jets gradually dominate the world's airlines.

- adj.* enormous; much bigger or more important than similar items usually are

236. What do you \_\_\_\_\_ the culprit's motive was?

- v.* to think that something is likely to be actual or possible

237. The following example \_\_\_\_\_ that the capacity of each battery is the same.

- v.* to think or accept something to be true without having proof of it; to take or begin to have power; to begin to exhibit a specific quality or appearance

238. An \_\_\_\_\_ environment is necessary for certain types of plants to grow.

- adj.* having a pH greater than 7, meaning it is basic rather than acidic; having properties or characteristics similar to an alkali

239. \_\_\_\_\_ to the family, the treasure had been hidden in the attic for years.

- adv.* without the knowledge or awareness of someone; without someone's knowledge or participation

ANSWERS: 232. submarine, 233. engineer, 234. excavated, 235. giant, 236. suppose, 237. assumes, 238. alkaline, 239. Unbeknownst

240. Many people see the \_\_\_\_\_ of traveling as an opportunity to experience new cultures and broaden their horizons.
- n.* the positive aspect or potential of something; the upper side of something
241. The \_\_\_\_\_ in the stock market has been a relief to investors.
- n.* the process of raising land to a higher elevation, or the result of this process; (verb) fill with high spirits
242. X-ray inspection revealed many \_\_\_\_\_.
- n.* the breaking or cracking of a rigid material or object such as bone
243. The official transcript contains \_\_\_\_\_ academic records.
- adj.* correct and exact in all details
244. Infrared cameras detect \_\_\_\_\_ in the infrared range of the electromagnetic spectrum.
- n.* a unit or quantum of electromagnetic energy, typically regarded as a particle that is the basic constituent of all light and other forms of electromagnetic radiation
245. The \_\_\_\_\_ demonstrate that poverty and unemployment are genuine problems.
- n.* the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data
246. The ship will not enter Chinese \_\_\_\_\_ seas.
- adj.* related to a specific country's ownership of land or water
247. The \_\_\_\_\_ digs through the sand to a significant depth.
- n.* a marine mollusk that burrows and lives on sand or mud, the shell closes with viselike firmness

ANSWERS: 240. upside, 241. uplift, 242. fractures, 243. accurate, 244. photons, 245. statistics, 246. territorial, 247. clam



248. The chemical \_\_\_\_\_ of the new drug was a breakthrough in medical research.

- n.* the combination of components or elements to form a more complex whole; the creation of something new through combining parts or elements

249. He gave \_\_\_\_\_ to his anger by playing the guitar.

- n.* a small opening to escape or release gas, air, liquid, etc.; activity or process that frees or expresses strong creative energy or emotion

250. The underlying \_\_\_\_\_ dynamics often influence earthquakes and volcanic activities.

- n.* the upper layer of the Earth's mantle, located below the lithosphere, where the solid rock is relatively soft and can flow slowly under intense heat and pressure

251. They \_\_\_\_\_ pictures on the paper in preparation for the birthday card.

- v.* to increase, go up, or advance gradually or continuously; to prepare and supply with the necessary equipment for execution or performance; to ride on something or someone

252. The \_\_\_\_\_ waves crashed against the shore, creating a mesmerizing sight.

- adj.* relating to or characteristic of the ocean or its inhabitants; having to do with the vast expanse of saltwater that covers most of the Earth's surface

253. The \_\_\_\_\_ imaging camera was used to detect heat signatures in the dark.

- adj.* relating to heat or temperature; designed for or capable of producing or maintaining heat

254. The experienced \_\_\_\_\_ guided the ship through treacherous waters.

- n.* a sailor or seaman; someone who works or travels on a boat or ship

ANSWERS: 248. synthesis, 249. vent, 250. asthenosphere, 251. mounted, 252. oceanic, 253. thermal, 254. mariner

255. The president declared a state of \_\_\_\_\_.

- n.* a sudden unforeseen crisis usually involving danger that requires immediate action

256. The \_\_\_\_\_ from his classmates made him feel embarrassed and ashamed.

- n.* speech or behavior that makes fun of or mocks someone or something; teasing, sarcasm, or scornful remarks that are intended to belittle or humiliate; (verb) to mock, criticize, or make fun of someone or something in a scornful or derisive way

257. They launched a rocket toward \_\_\_\_\_.

- n.* the planet second in order from the sun

258. He sealed the letter with a \_\_\_\_ seal.

- n.* a substance that is solid at room temperature but becomes softer and more pliable when heated, often used in the production of candles, polishes, and cosmetics; (verb) to become large

259. He stood at the edge of the \_\_\_\_\_ and looked out to sea.

- n.* a steep rock face, especially one at the edge of the sea or a river

260. The construction worker used a \_\_\_\_\_ saw to cut through the stubborn sheet metal.

- n.* a solid material that is typically hard, shiny, malleable, fusible, and ductile, with good electrical and thermal conductivity, and often used as a structural material, a conductor of heat or electricity, or for decorative purposes

261. The mountain range was full of rocky \_\_\_\_\_ and deep valleys.

- n.* a long, narrow, raised landform or rock formation

ANSWERS: 255. emergency, 256. ridicule, 257. Venus, 258. wax, 259. cliff, 260. metal, 261. ridges

262. We packed and shipped the product in \_\_\_\_\_ containers.

*adj.* closed or secured with

263. I'm going to take the \_\_\_\_\_ to get to my destination faster.

*n.* a main road, especially one connecting major towns or cities

264. I am \_\_\_\_\_ opposed to his idea because of morality.

*adv.* without restriction or limitation; completely or utterly

265. They had to \_\_\_\_\_ the boat out of the water for repairs.

*v.* to physically drag or pull someone or something with effort

266. The \_\_\_\_\_ in the road was so sharp that I had to slow down to navigate it safely.

*n.* a bend or angle in a line or surface that deviates from a straight or flat path; a gradual or smooth change in direction or shape

ANSWERS: 262. sealed, 263. highway, 264. absolutely, 265. haul, 266. curve