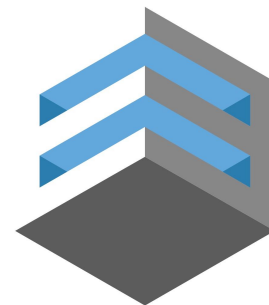


Englist.me



Vocabulary Builder Reference from...

Angelicque White: What ocean microbes reveal about the changing climate | TED Talk

https://www.ted.com/talks/angelicque_white_what_ocean_microbes_reveal_about_the_changing_climate

All Words

IMPORTANT

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Session 1: Word List

biology

n. the scientific study of life and the natural processes of living things

(1) evolutionary **biology**, (2) cell and molecular **biology**

In junior high school, we had to dissect a frog in **biology** class.

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.

absolute

adj. perfect or complete or to the most considerable degree possible

synonym: complete, infrangible, indisputable

(1) **absolute** loyalty, (2) an **absolute** must

Gandhi had an **absolute** zeal for nonviolence.

privilege

n. a special right or advantage that only one person or group of people has, usually because they are rich and

powerful in a society

synonym: benefit, authorization, advantage

(1) a breach of **privilege**, (2) **privilege** of membership

In the Middle Ages, the right to hunt in the wild was the **privilege** of royalty and nobility.

microbe

n. a tiny living thing that can only be seen with a microscope and that may cause disease

synonym: germ, microorganism, bacterium

(1) pathogenic **microbe**, (2) **microbes** sterilizer

Microbes thrive on the surface of the human skin.

basin

n. a natural depression or valley that is circular or oval on the surface of the earth, especially one that has water in it; a container with a bowl form that is typically used to hold food or liquids

synonym: watershed, bowl

(1) inland **basin**, (2) the **basin** of the Great Salt Lake

Many of the lakes and marshes in the **basin** are mildly salty.

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.

snug

adj. comfortably warm and cozy; fitting tightly and comfortably; compact and efficient in design

synonym: cozy, comfortable, kempt

(1) **snug** blanket, (2) **snug** little house

The baby was fast asleep in his **snug** cot, swaddled in soft, warm blankets.

spare

adj. additional to what is necessary for ordinary use; (verb) to give time, money, space, etc. to someone

synonym: extra, excess, (verb) afford

(1) **spare** parts, (2) **spare** cost

I made plans to spend my **spare** time beneficially.

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.

ecosystem

n. all the plants and living creatures in an area and the way they affect each other and the environment

(1) marine **ecosystem**, (2) change the **ecosystem**

Human conservation efforts often fail unexpectedly because they disturb the balance of the **ecosystem**.

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.

margin

n. the space around the edge of a page or document; (finance) the net sales minus the cost of goods and services sold

synonym: edge, border, periphery

(1) **margin** error, (2) a profit **margin**

Unfortunately, the book's **margin** was too small to make notes.

plankton

n. tiny forms of plant and animal life that live in water or air on which other animals feed

(1) **plankton** blooms, (2) **plankton** community

Plankton is generally the foundation of the ocean food chain.

emerge

v. to move out of or away from something and become visible

synonym: arise, occur, appear

(1) **emerge** as a butterfly, (2) **emerge** from poverty

During colonial eras, new migratory patterns **emerged**.

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.

vignette

n. a brief or short descriptive account, episode, or story that focuses on a particular moment, person, or object; a small decorative design or illustration

synonym: sketch, drawing, illustration

(1) poignant **vignette**, (2) **vignette** from the incident

The novel has a series of **vignettes** that showcase the everyday struggles of its characters.

aspect

n. one part or feature of a situation, problem, subject, etc.

synonym: characteristic, element, factor

(1) nontechnical **aspects** of the job, (2) **aspects** of social, political, and economic life

His professional experience includes all **aspects** of media production.

bum

n. a person who is homeless or lives in poverty; a lazy, shiftless, or worthless person; a beggar; a person who spends time doing nothing productive

synonym: hobo, vagrant, tramp

(1) homeless **bum**, (2) lazy **bum**

He used to be a successful businessman, but now he's a washed-up **bum** with nothing to show.

beware

v. to be cautious or careful about something or someone that may cause harm or danger

synonym: heed, caution, alert

(1) **beware** of scams, (2) **beware** of strangers

Please **beware** of the slippery floor after it rains, or you could fall.

microscopic

adj. tiny; exceedingly precise and detail-oriented; of or used in microscopy

synonym: infinitesimal, tiny, atomic

(1) **microscopic** inquiry, (2) **microscopic** analysis

Inspectors noticed **microscopic** cracks in the submarine's hull.

abundant

adj. present in great quantity

synonym: ample, plentiful, generative

(1) live an **abundant** life, (2) an **abundant** supply of water

The country has **abundant** oil and natural gas resources.

metabolism

n. the set of chemical reactions in cells or organisms that are necessary for life-sustaining

(1) **metabolism** enzyme, (2) hemoglobin **metabolism**

Better sleep leads to increased **metabolism**.

seawater

n. water from the sea or ocean, typically containing salt and various other dissolved minerals

synonym: saltwater, brine, ocean water

(1) **seawater** pollution, (2) **seawater** bacteria

The desalination plant turned **seawater** into drinking water through a complex process.

definitely

adv. without any question and beyond doubt; clearly

synonym: absolutely, certainly, indeed

(1) **definitely** become a problem, (2) say **definitely**

The paper is **definitely** worth reading thoroughly.

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.

consume

v. to spend something, especially fuel, energy, or time, in a large amount

synonym: absorb, ingest, use up

(1) **consume** a large of alcohol, (2) **consume** electricity

A smaller car will **consume** less fuel.

reliant

adj. needing something or something to continue, to work correctly, or to succeed

synonym: dependent, subservient

(1) heavily **reliant** on oil, (2) export- **reliant** economy

The company is heavily **reliant** on its overseas operations for revenue.

lab

n. a workplace for the conduct of scientific research; a laboratory

synonym: workshop, laboratory, research chamber

(1) **lab** instrument, (2) medical **lab**

The Prime Minister will pay a courtesy visit to the Nobel laureate's **lab**.

compel

v. to force or require someone to do something; to exert a strong, irresistible force or pressure that makes someone act in a certain way

synonym: force, oblige, coerce

(1) **compel** a person to submission, (2) **compel** attention

The strict deadlines will **compel** the team to work efficiently.

bloom

n. a flower, especially one having showy or colorful parts; the best time of youth

synonym: blossom, flush, flower

(1) **bloom** in autumn, (2) black-and-white **blooms**

The cherry blossoms in the park were in full **bloom**.

phytoplankton

n. tiny little plants that float on the surface of the water and on which sea creatures feed

(1) marine **phytoplankton**, (2) **phytoplankton** blooms

She studies the relationship between marine creatures' toxicity and the **phytoplankton** they feed on.

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.

incredibly

adv. in a way that is very difficult to believe; exceedingly or extremely

synonym: enormously, exceptionally, extraordinarily

(1) **incredibly** cheerful character, (2) get **incredibly** insecure

Several cities are experiencing **incredibly** high unemployment rates.

salmon

n. a type of fish that is commonly found in the North Atlantic and North Pacific oceans

synonym: fish, trout, salmonid

(1) **salmon** fishery, (2) **salmon** migration

Grilled **salmon** is a popular dish at summer barbecues.

halibut

n. a large, flat-bodied saltwater fish that is an important food source, particularly in North America and Europe

(1) **halibut** steak, (2) baked **halibut**

I love to cook **halibut** with lemon butter sauce for a delicious dinner.

whale

n. a very large sea mammal that has a streamlined body and breathes through a blowhole on the head; a very large person; impressive in size or qualities

synonym : porpoise, giant

(1) a bull **whale**, (2) **whale** watching

Some countries have a culture of eating the flesh of a **whale**.

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.

topic

n. a subject that is being discussed or written about

synonym : subject, theme, issue

(1) a serious **topic**, (2) the **topic** of the book

The **topic** of the discussion was the current state of the economy.

algae

n. A simple plant that grows in or near water and lacks typical leaves and roots

(1) **algae** biofuel, (2) blue **algae**

Algae has jammed the inlet to the water turbine.

toxin

n. a poisonous substance produced by a living organism, such as a plant, animal, or microorganism; a chemical compound that can cause harm or illness to a living organism

synonym : poison, venom, contaminant

(1) **toxin** exposure, (2) **toxin** production

Mold exposure can release dangerous **toxins** into the air.

contaminate

v. to make something impure, unclean, or poisonous by contact or mixture

synonym : defile, pollute, adulterate

(1) **contaminate** with a disease, (2) **contaminate** his ego

We strive not to **contaminate** the environment when demolishing petroleum plants.

accumulate

v. to collect or acquire a large number of things over a long period of time

synonym: amass, stash, earn

(1) **accumulate** cash value, (2) **accumulate** evidence

He has **accumulated** his wealth through real estate investments.

shellfish

n. water creatures that live in shells, especially one of the types that can be eaten

synonym: clam, mollusk

(1) **shellfish** allergy, (2) edible **shellfish**

Shellfish can cause allergic reactions in certain people.

harvest

n. yields of plants in a single growing season; the period of the year when gathering occurs on a farm

synonym: crop, reaping, yield

(1) a scanty **harvest**, (2) reap a **harvest**

During **harvest**, farmers are incredibly busy.

consumption

n. the amount used or eaten; the act of using up a resource such as energy, food, or materials

synonym: usage, uptake, utilization

(1) average fuel **consumption**, (2) the **consumption** of food

In our country, water **consumption** usually decreases during the winter.

toxic

adj. of or relating to or caused by a poison; poisonous

synonym: poisonous, harmful, contaminated

(1) **toxic** molecule, (2) exposure to **toxic** chemicals

This chemical compound is a thousand-fold more **toxic**.

vary

v. to become different in terms of size, shape, etc.

synonym: alter, contrast, differ

(1) **vary** according to the age, (2) **vary** directly with the price

Maximum heart rates **vary** a lot for each individual.

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.

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.

drone

n. a low continuous humming noise; someone who takes more time than necessary; a pilot-less aerial vehicle that is operated by remote control

synonym: hum, whirr, idler

(1) **drone** flight, (2) the speaker's **drone**

He heard a **drone** of sirens roar from the neighboring town.

glider

n. a light aircraft or small, unpowered plane that is designed to glide and soar through the air using natural winds and or thermal currents

synonym: sailplane, soaring bird

(1) **glider** club, (2) paper- **glider**

The hang- **glider** enthusiast looked at the clear skies, anticipating a perfect day to take flight.

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.

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.

opportune

adj. suitable or happening at a time that is suitable or convenient for a particular purpose

synonym: suitable, timely, practical

(1) **opportune** occasion, (2) an **opportune** remark

The phone rang at the most **opportune** time.

seasick

adj. feeling ill or nauseous as a result of being on a ship or boat that is moving or rocking back and forth in a rough sea; suffering from motion sickness

synonym: nauseous, seasickness, queasy

(1) avoid getting **seasick**, (2) **seasick** medication

The rough waves made some passengers feel **seasick** during the boat ride.

identity

n. the fact of being who or what somebody or something is; the features, emotions, or ideas that distinguish persons from one another

synonym: character, personality, individuality

(1) mistaken **identity**, (2) **identity** as an individual

The terrorist's **identity** remains unknown.

hard-won

adj. achieved with great effort, perseverance, or sacrifice; earned or gained only after overcoming significant obstacles or challenges

synonym: challenging, hard-fought, difficult

(1) **hard-won** victory, (2) **hard-won** peace

After years of hard work, she finally achieved her **hard-won** success.

collaborate

v. to work with someone else to produce or achieve something

synonym: cooperate, unite, get together

(1) **collaborate** with the police, (2) **collaborate** on a press release

She agreed to **collaborate** with him in creating new artwork.

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.

tight

adj. fixed, fastened, or kept together firmly or closely

synonym: closed, secured, cramped

(1) a **tight** game, (2) student on a **tight** budget

The national election was held amid **tight** security.

climate

n. the weather in a particular location averaged over some long period

synonym: atmosphere, weather, environment

(1) a cold **climate**, (2) effects of **climate** change

Climate and weather have an impact on every part of our lifestyles.

oscillate

v. to swing or move back and forth like a pendulum or a wave; to fluctuate or alternate between two points or states; to hesitate or be indecisive

synonym: fluctuate, swing, vibrate

(1) **oscillate** back and forth, (2) **oscillate** between joy and anger

The fan in the room **oscillates**, making the airflow more evenly.

strength

n. the quality or state of being physically, or sometimes mentally, strong

synonym: resilience, power, muscles

(1) **strength** of the economy, (2) muscular **strength**
Health and **strength** are, above all, gold.

plot

n. a secret plan or scheme to achieve a specific goal; the plan or main story of a literary work; (verb) to plan secretly, usually something illegal

synonym: scheme, plan, design

(1) **plot** twist, (2) **plot** a revolution

The **plot** of the novel centers around a group of friends who uncover a conspiracy to control the world's water supply.

anomaly

n. something or someone that deviates from what is expected or normal, often in a way that is difficult to explain or understand

synonym: abnormality, irregularity, deviation

(1) **anomaly** detection, (2) global temperature **anomaly**

The sudden drop in the stock market was an **anomaly** that puzzled many investors.

index

n. a list of items, such as names, subjects, or keywords, that is arranged in a particular order and is usually found at the end of a book or document; a number or symbol that indicates the value or level of something, such as a stock index or a temperature index

synonym: list, directory, indicator

(1) a full-text **index**, (2) health **index**

The stock market **index** measures the performance of a group of stocks.

circulation

n. the movement of blood through the body or of a fluid through a system; the number of copies of a newspaper or magazine that are sold

synonym: flow, movement, dissemination

(1) lymphatic **circulation**, (2) **circulation** of money

The **circulation** of the magazine has been steadily declining.

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.

recruit

v. to persuade someone to work for a company; to find new members for an organization, the armed forces, etc.
synonym: raise, enroll, enlist

(1) **recruit** a good worker, (2) **recruit** a new hire

The colonial government **recruited** militia support when civil war broke out.

intrusion

n. the act of entering a place or situation where one is not welcome or invited; the action or process of forcing a body of molten rock between or through existing formations without reaching the surface

synonym: invasion, interference, encroachment

(1) unwarranted **intrusion**, (2) **intrusion** prevention

The **intrusion** of the hackers into the company's database caused significant damage.

invasive

adj. spreading very quickly, and often aggressively, and difficult to stop

synonym: aggressive, rampant, spreading

(1) **invasive** breast cancer, (2) **invasive** species

The **invasive** disease can spread quickly and potentially cause a global pandemic.

crab

n. a sea creature with two large claws and a flattened back (e.g., blue crab or king crab); a sour or grumpy person who is prone to complaining or criticizing

synonym: crustacean, shellfish, crusty

(1) **crab** cakes, (2) **crab** legs

I ordered a plate of fresh **crab** at the seafood restaurant.

ecology

n. the study of the relationships between living organisms, including humans, and their physical environment

(1) science of **ecology**, (2) the **ecology** of the island

Many companies are now enthusiastically embracing the knowledge of **ecology** for sustainable development.

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.

frequency

n. an ordered array of colors into which a light beam can be split

synonym: recurrence, repetition, regularity

(1) **frequency** band, (2) high **frequency**

The oscillator hunts for the correct **frequency**.

severity

n. the quality or condition of being severe, strict, or harsh

synonym: harshness, rigidity, austerity

(1) the **severity** of cold, (2) high **severity**

The **severity** of the drought was a major concern for farmers.

illustrate

v. to provide pictures, photographs, diagrams, etc. in a book or something for explanation

synonym: demonstrate, explain, exemplify

(1) **illustrate** a key point, (2) **illustrate** a story

The company's financial records **illustrate** how successful it has been.

modern

adj. of or belonging to the present time or recent times

synonym: contemporary, stylish, current

(1) **modern** poetry, (2) pre- **modern** agricultural society

Their headquarters are in a **modern** skyscraper.

bode

v. to be a sign or indication of a particular outcome or event in the future, can be positive or negative

synonym: portend, foretell, augur

(1) **bode** a heavy rain, (2) **bode** for the future

The dark clouds **bode** ill for the outdoor wedding ceremony.

economical

adj. providing a satisfactory return on the money, time, or effort; not using more money, fuel, etc. than necessary

synonym: frugal, thrifty, parsimonious

(1) **economical** use of her time, (2) an **economical** meal

It is more **economical** to wash your plastic bottle and reuse it.

fishery

n. an area of water where fish are caught in large quantities for living; a business or practice of catching and selling fish

synonym: fishing, piscary, angling

(1) **fishery** management, (2) commercial **fishery**

The majority of the people on the island are **fishery** folk.

marine

adj. relating to the sea and the creatures and plants that live there

synonym: sea-dwelling, maritime, aquatic

(1) **marine** insurance, (2) variety of **marine** life

Seals and whales are **marine** animals beloved by the people.

mammal

n. any animal of which the female gives birth to live young, not eggs, and feeds her young on milk from her own body

(1) a primitive **mammal**, (2) a sort of **mammal**

Marine **mammal** populations are declining worldwide due to ocean pollution.

resonate

v. to be filled with a deep echoing sound

synonym: echo, reverberate, resound

(1) deeply **resonate** with the consumers, (2) **resonate** in the same frequency

The sound **resonates** well in this theater.

doomsday

n. the last day of the world when Christians believe that God will judge everyone; an unpleasant or disastrous event

synonym: Day of Judgment, Last Judgement

(1) **doomsday** scenario, (2) economic **doomsday**

This task is going to take me till **doomsday**.

tale

n. a story made up in someone's imagination, especially one full of action and adventure

synonym: canard, fiction, fable

(1) a fairy **tale**, (2) **tale** of horror

Ghosts in folk **tales** are almost always malicious.

resilient

adj. able to withstand or recover quickly from difficult conditions

synonym: robust, sturdy, tough

(1) a hard and **resilient** steel, (2) **resilient** population

She is a **resilient** person and has always bounced back from setbacks.

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.

bounce

v. to cause to move up or away after hitting a surface; to spring back

synonym: bound, leap, spring

(1) **bounce** across the floor, (2) **bounce** back from failure

They will **bounce** between various emotional states.

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**.

chain

n. a series of connected links or objects; a system or group of interconnected elements; a restraint or shackle

synonym: series, string, link

(1) **chain** reaction, (2) supply **chain**

The **chain** on my bike broke, leaving me stranded.

pilgrim

n. a person who journeys, especially a long distance, to a sacred place as an act of religious devotion

synonym: traveler, wayfarer, sojourner

(1) shrine for **pilgrims**, (2) **pilgrim** site

The group of **pilgrims** walked in silence, deep in thought and prayer.

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.

vast

adj. enormous in size, number, amount, or quantity

synonym: expansive, extended, boundless

(1) **vast** majority, (2) **vast** desert

A **vast** audience viewed the broadcast.

swirl

v. to move in a circular or spiral pattern

synonym: spin, whirl, turn

(1) **swirl** the wine, (2) **swirl** up dirt and dust

The chef expertly **swirled** the sauce onto the plate.

subtropic

adj. describing a region or climate that is between tropical and temperate and often characterized by warm temperatures and moderate rainfall

synonym: semi-tropical, warm

(1) **subtropic** vegetation, (2) **subtropic** region

The **subtropic** climate made for hot and humid weather all year round.

gyre

n. a circular or spiral motion, particularly a vortex or large-scale system of rotating ocean currents

synonym: spiral, vortex, whirl

(1) **gyre** movement, (2) subtropical **gyre**

The trash caught in the **gyre** in the ocean, forming a massive garbage patch.

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.

shark

n. a long-bodied, mostly predatory marine fish that has sharp teeth and a pointed fin on its back; a person who is ruthless, greedy, and dishonest

synonym: swindler, con artist, crook

(1) a man-eating **shark**, (2) card **shark**

He borrowed money from a loan **shark**.

chemistry

n. the branch of the natural sciences dealing with the composition of substances and their properties and reactions

(1) professor of **chemistry**, (2) the **chemistry** of soil

He is familiar with **chemistry** and biology.

physics

n. the science of matter and energy and their interactions

(1) nuclear **physics**, (2) laws of **physics**

He studied the **physics** of radiation.

seafloor

n. the bottom of the ocean

synonym: ocean floor, benthic zone, abyssal plain

(1) **seafloor** exploration, (2) **seafloor** mapping

The oceanographer studied the **seafloor** topography to understand how it had changed over time.

trace

v. to find or discover someone or something that was lost

synonym: seek, follow, depict

(1) **trace** a telephone call, (2) **trace** back to medieval times

Let's **trace** the origins of some familiar foreign words.

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**.

genome

n. the complete set or sequence of genes of a human, animal, plant, or other living things

(1) sequencing of the human **genome**, (2) **genome** analyses

The human **genome** contains approximately three billion chemical base pairs.

revolution

n. a large-scale attempt to overthrow the government of a country, often using violence or war;

synonym: coup, innovation, rebellion

(1) beginning of the industrial **revolution**, (2) a political **revolution**

The **revolution** by the citizen resulted in a redistribution of wealth.

diversity

n. the quality or fact of many different types of things or people being included in something; a range of different things or people

synonym: variety, multiplicity, variousness

(1) the **diversity** policy of the university, (2) lingual **diversity**
He was impressed by the range and **diversity** of the collection.

microorganism

n. a very small living thing that may exist in its single-celled form or as a colony of cells and is too small to be seen without a microscope

synonym: germ, microbe, bacterium

(1) pathogenic **microorganism**, (2) **microorganisms** in his gut

This **microorganism** is a producer of respiratory disease.

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.

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.

emergence

n. the process or fact of coming into existence or becoming apparent

synonym: appearance, emergence, rise

(1) **emergence** as a national leader, (2) re- **emergence** of rampant inflation

The **emergence** of a new virus can cause concern for public health.

fingerprint

n. a unique pattern of ridges and valleys on the surface of a finger that can be used to identify a person

synonym: print, mark, impression

(1) **fingerprint** at a crime scene, (2) **fingerprint** identification

The police used a **fingerprint** scanner to identify the suspect.

icon

n. a picture or statue of a holy person considered to be a sacred thing; a little icon on the screen of a computer or smartphone that denotes an application or a file

synonym: figure, hero, idol

(1) **icon** for young people, (2) television **icon**

Some comic book characters are considered gay **icons**.

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.

carbon

n. a chemical element that can be found in pure form as diamond or graphite, and it is also an essential part of coal and oil and is found in all plants and animals

(1) **carbon** dioxide, (2) **carbon** emission

Trees absorb **carbon** dioxide and give off oxygen.

oxide

n. a chemical compound that contains at least one oxygen atom and one other element

(1) silver **oxide**, (2) combined **oxide**

The blood's red coloring comes from iron **oxide**.

atmosphere

n. the mass of air that surrounds the Earth; the pervading tone or mood of a place, situation, or creative work

synonym: air, ambiance, circumstances

(1) carbon dioxide in the **atmosphere**, (2) a convivial

atmosphere

The spaceship began to burn up as it approached the Earth's **atmosphere**.

unprecedented

adj. never having been seen, done, or known before

synonym: novel, outstanding, unparalleled

(1) **unprecedented** boom, (2) **unprecedented** business opportunity

Unprecedented amounts of heckling and slogan-shouting took place throughout the event.

consequence

n. the outcome of a particular action or event, especially relative to an individual

synonym: result, impact, outcome

(1) unintended **consequences**, (2) the **consequence** of an argument

These economic activities had disastrous environmental **consequences**.

absorb

v. to take in a fluid or other substance gradually

synonym: consume, soak, ingest

(1) **absorb** energy, (2) **absorb** a shock

The sponge **absorbs** water well.

greenhouse

n. a building with walls and roof made chiefly of transparent material, such as glass, for growing plants in

synonym: conservatory

(1) exotic plants in a **greenhouse**, (2) emissions of **greenhouse** gases

The **greenhouse** effect is a phenomenon that happens naturally.

emission

n. the act of production or sending out gas, heat, light, etc.

synonym: emanation, radiation, discharge

(1) global **emissions** of greenhouse gases, (2) the **emission** of light

There are five distinct **emissions** at five unique wavelengths.

dot

n. a very small circular mark, especially one that is printed

synonym: drop, dab, fleck

(1) connecting the **dots**, (2) **dot** blot method

The wallpaper had a pattern of pink **dots** on a white surface.

cruise

n. a voyage on a large ship for pleasure; driving or traveling at a leisurely pace

synonym: sail, voyage, journey

(1) the **cruise** line, (2) adaptive **cruise** control

The family took a **cruise** to the Caribbean for their vacation.

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.

fundamental

adj. forming an essential base or core from which everything else develops or is affected

synonym: basic, essential, entire

(1) **fundamental** education, (2) **fundamental** rights

Human behavior has **fundamental** characteristics.

decline

v. to become gradually smaller, fewer, worse, etc.; to refuse to accept

synonym: descend, drop, deny

(1) **decline** a job offer, (2) **decline** in quality

As people age, their digestive capacity also gradually **declines**.

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.

shell

n. hard outer covering or case of eggs, nuts, some seeds, and some animals

synonym: ammunition, armor, cover

(1) an egg **shell**, (2) a mollusk **shell**

The outermost electron **shell** determines the chemical properties of an atom.

interaction

n. the act of connecting with someone, mainly when working, playing, or spending time with them

synonym: dealings, exchange, relations

(1) the **interaction** between man and his environment,

(2) **interaction** among human beings

The **interaction** of the two groups is good for brainstorming.

coral

n. a rock-like substance created in the sea by groupings of specific types of small animals, commonly used in jewelry

(1) **coral** island, (2) **coral** ornament

She is wearing a **coral** necklace.

reef

n. a long chain or range of rocks or sand near the ocean's surface

(1) barrier **reef**, (2) coral **reefs**

The vessel ran aground on a **reef**.

skim

v. to read something quickly to get a general idea of its contents; to remove any unwanted or unnecessary material from the surface of a liquid; to glide smoothly or briefly over a surface

synonym: glance, scan, skitter

(1) **skim** off the top, (2) **skim** the surface of the water

I like to **skim** the newspaper headlines in the morning to catch up on the news.

column

n. one of the vertical blocks that split content on a page or screen from top to bottom; an upright pillar that often supports an arch, entablature, or other structure or stands alone as a monument

synonym: line, pillar, cue

(1) the spinal **column**, (2) a **column** of water

The newspaper devoted several **columns** to the affair.

profound

adj. extremely great; sensed or experienced very strongly; displaying a high level of knowledge or comprehension

synonym: deep, unsounded, far-reaching

(1) a **profound** book, (2) the **profound** depths of the sea

My mother's illness had a **profound** impact on us all.

genuine

adj. real and exactly; not pretended; sincerely felt or expressed

synonym: actual, honest, unpretending

(1) a **genuine** article, (2) show **genuine** regret

Is this painting **genuine** or forged?

acidification

n. the act or process of becoming acid or making something become acid

(1) **acidification** of soil, (2) stream **acidification**

Ocean **acidification** leads to a decrease in tiny sea snails.

eutrophication

n. the process by which a body of water becomes enriched with excess nutrients (usually from agricultural runoff or sewage), resulting in an overgrowth of algae and other aquatic plants, which can eventually cause oxygen depletion and the death of other organisms in the water

synonym: overfertilization

(1) **eutrophication** problem, (2) pond **eutrophication**

The **eutrophication** of the lake caused an overgrowth of algae.

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.

polar

adj. relating to, or close to, the North or South Pole; characterized by complete opposites

synonym: opposing, contrary, contrasting

(1) **polar** bears, (2) **polar** regions

Polar animals are graceful and efficient swimmers.

expansion

n. the process of becoming larger or more extensive, or the result of this process

synonym: growth, enlargement, development

(1) industrial **expansion**, (2) **expansion** project

The company is undergoing an **expansion**, opening new locations in several states.

pollution

n. the introduction of harmful substances or waste into the natural environment that causes adverse change

synonym: corrosion, deterioration, corruption

(1) environmental **pollution**, (2) high levels of air **pollution**

The **pollution** is endangering the local plants and animals.

biodiversity

n. the number and variety of plants and animals that exist in a particular area or the world and make a balanced environment

(1) **biodiversity** conservation, (2) loss of **biodiversity**

The country was instrumental in promoting the **biodiversity** treaty.

overfishing

n. the removal of too many fish from a body of water, causing a decline in population levels and harm to the ecosystem

synonym: overharvesting, over-exploitation, depletion

(1) **overfishing** crisis, (2) **overfishing** ban

The ocean's ecosystem is being threatened by **overfishing**, causing many species to become endangered.

grad

n. (informal for graduate) a student who has recently graduated or is about to graduate from a school, college, or university

synonym: graduate, alumnus, alumni

(1) high school **grad**, (2) **grad** student

He was proud to be a **grad** of the prestigious university.

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**.

immense

adj. extremely large or great

synonym: enormous, giant, huge

(1) **immense** amount, (2) **immense** pressure

He left his wife an **immense** fortune.

sustained

adj. lasting for a long time or continuing for a long time without becoming weaker or less intense

synonym: prolonged, extended, continual

(1) **sustained** economic growth, (2) **sustained** release medication

The company experienced **sustained** growth over the past decade.

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**.

moral

adj. concerned with the principles of what is right and wrong, fairness, honesty, etc.

synonym: honest, ethical, conscientious

(1) **moral** hazard, (2) **moral** burden

Ethics deals with **moral** conduct.

imperative

adj. very important or requiring attention or action

synonym: compulsory, binding, critical

(1) moral **imperative**, (2) **imperative** need

It is **imperative** for politicians to be effective communicators.

witness

n. a person who sees something happen, especially a crime or an accident

synonym: onlooker, attestant, bystander

(1) **witness** of the car accident, (2) a material **witness**

The manufacturing industry is **witnessing** fierce competition.

inflict

v. to cause harm, injury, or suffering to someone or something

synonym: impose, levy, administer

(1) **inflict** a heavier tax, (2) **inflict** a hard blow

The storm **inflicted** significant damage on the town.

communal

adj. belonging to or used by a group rather than individuals; for common use

synonym: collaborative, combined, collective

(1) **communal** swimming pool, (2) **communal** combination of funds

Communal elections were held in several European countries.

adapt

v. to make fit for or change to suit a new purpose or environment

synonym: adjust, acclimate, accustom

(1) **adapt** fully to the environment, (2) **adapt** as needed

I advised him to **adapt** to his new surroundings.

enact

v. to make a law; to put something into practice

synonym: legislate, pass, decree

(1) **enact** new legislation, (2) **enact** the smoking ban

The government **enacted** this law in 1925.

tier

n. one of a series of rows or levels arranged one above the other, typically used to describe the arrangement of objects or levels of importance

synonym: level, layer, class

(1) a two- **tier** system, (2) **tier** one company

The company operates on a three- **tier** pricing structure.

involve

v. to include or affect someone or something as a necessary part of something else

synonym: implicate, include, engage

(1) **involve** a lot of paperwork, (2) **involve** a high degree of risk

The investigation **involves** several government agencies and is expected to take several months.

portfolio

n. a collection of work, documents, or other materials that demonstrate a person's skills, qualifications, or achievements; a collection of investments held by a person or organization

synonym: collection, file, folder

(1) investment **portfolio**, (2) **portfolio** manager

The artist's **portfolio** showcased various works, from paintings to sculptures.

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**.

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.

critic

n. someone who expresses opinions about the quality of books, music, etc.

synonym: pundit, analyst, attacker

(1) art **critic**, (2) severe **critic**

Advocates for legal reform hear less harsh words from their **critics**.

sustain

v. to supply enough of what somebody or something needs to survive or exist; to accept as valid

synonym: maintain, nurture, support

(1) **sustain** a good relationship with him, (2) **sustain** a wellness lifestyle

She struggled to **sustain** the children's reading habits.

analogy

n. a comparison between similar things that have similar aspects, often used to help explain a principle or concept

synonym: metaphor, comparison, parallel

(1) draw **analogy**, (2) historical **analogy**

Some kinds of machine learning models show an **analogy** to how people learn.

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.

- fuel** *n.* a substance that is typically burned to generate heat or energy
synonym: energy, power, gas
(1) biomass **fuel**, (2) smokeless **fuel**
The **fuel** scarcity most severely impacted the manufacturing sector
- collapse** *v.* to fall down or give way suddenly, often after breaking apart
synonym: tumble, spill, bankruptcy
(1) the stock market **collapsed**, (2) ready to **collapse**
The roof finally **collapsed** after three days and three nights of heavy snowfall.
- arctic** *adj.* of or relating to the region around the North Pole or the Arctic Ocean; very cold
synonym: cold, frozen, polar
(1) **arctic** ice, (2) high **arctic**
Cold temperatures and long, dark winters characterize the **arctic** climate.
- nurture** *v.* to take care of, feed, and protect someone or something while they are growing and developing
synonym: boost, cultivate, enable
(1) **nurture** love, (2) **nurture** his talents
Schools should **nurture** children's mutual interest spirit.
- quote** *v.* to repeat or reproduce the words or statement of someone else, often acknowledging the source; to give an estimated cost or price for goods or services
synonym: cite, reference, mention
(1) **quote** a source, (2) **quote** a price
In his speech, he **quoted** a famous philosopher to emphasize his point.
- hero** *n.* a person who is admired or idealized for courage, outstanding achievements, or noble qualities; a

character in literature or history who is central to the plot and who exhibits heroic qualities

synonym: champion, protagonist, savior

(1) local **hero**, (2) unsung **hero**

The soldier who sacrificed his life for his country is considered a national **hero**.

slide

v. to move or cause to move smoothly along a surface without interruption

synonym: glide, drift, drop

(1) **slide** a card across the table, (2) **slide** a glance

If necessary, you can **slide** the front seats forward.

appropriate

adj. suitable or proper in the circumstances; fitting

synonym: fitting, suitable, proper

(1) **appropriate** behavior, (2) an **appropriate** time

It would be **appropriate** to dress nicely for the wedding.

Session 2: Spelling

- | | |
|------------------------------|---|
| 1. a scientific di_____ry | <i>n.</i> the act or process of finding information, a place, or an object, or learning about something that was previously not known |
| 2. sw__l up dirt and dust | <i>v.</i> to move in a circular or spiral pattern |
| 3. s__g little house | <i>adj.</i> comfortably warm and cozy; fitting tightly and comfortably; compact and efficient in design |
| 4. homeless b_m | <i>n.</i> a person who is homeless or lives in poverty; a lazy, shiftless, or worthless person; a beggar; a person who spends time doing nothing productive |
| 5. do_____ay scenario | <i>n.</i> the last day of the world when Christians believe that God will judge everyone; an unpleasant or disastrous event |
| 6. high school g__d | <i>n.</i> (informal for graduate) a student who has recently graduated or is about to graduate from a school, college, or university |
| 7. t__e of horror | <i>n.</i> a story made up in someone's imagination, especially one full of action and adventure |
| 8. im_____e amount | <i>adj.</i> extremely large or great |
| 9. student on a ti__t budget | <i>adj.</i> fixed, fastened, or kept together firmly or closely |

ANSWERS: 1. discovery, 2. swirl, 3. snug, 4. bum, 5. doomsday, 6. grad, 7. tale, 8. immense, 9. tight

- | | |
|--|--|
| 10. con_____te with a disease | <i>v.</i> to make something impure, unclean, or poisonous by contact or mixture |
| 11. the di_____ty policy of the university | <i>n.</i> the quality or fact of many different types of things or people being included in something; a range of different things or people |
| 12. ec_____y class | <i>n.</i> 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 |
| 13. con_____al divide | <i>adj.</i> of or relating to a continent (= one of the earth's large landmasses) |
| 14. a hard and re_____nt steel | <i>adj.</i> able to withstand or recover quickly from difficult conditions |
| 15. ge___e analyses | <i>n.</i> the complete set or sequence of genes of a human, animal, plant, or other living things |
| 16. re_____t a good worker | <i>v.</i> to persuade someone to work for a company; to find new members for an organization, the armed forces, etc. |
| 17. qu___e a price | <i>v.</i> to repeat or reproduce the words or statement of someone else, often acknowledging the source; to give an estimated cost or price for goods or services |
| 18. a s___t on his honor | <i>n.</i> a particular location or place; a small round or roundish area, differing in color or feels from the surface around it |

ANSWERS: 10. contaminate, 11. diversity, 12. economy, 13. continental, 14. resilient, 15. genome, 16. recruit, 17. quote, 18. spot

- | | |
|--------------------------------------|--|
| 19. bo___e across the floor | <i>v.</i> to cause to move up or away after hitting a surface; to spring back |
| 20. pr____t the future | <i>v.</i> to state beforehand that something will happen in the future, mainly based on knowledge or experience |
| 21. the inland of a co_____nt | <i>n.</i> one of the earth's large landmasses; (adjective) abstaining from your feelings, especially your desire to have sex |
| 22. mic_____isms in his gut | <i>n.</i> a very small living thing that may exist in its single-celled form or as a colony of cells and is too small to be seen without a microscope |
| 23. pi_____m site | <i>n.</i> a person who journeys, especially a long distance, to a sacred place as an act of religious devotion |
| 24. col_____te on a press release | <i>v.</i> to work with someone else to produce or achieve something |
| 25. unp_____ted boom | <i>adj.</i> never having been seen, done, or known before |
| 26. unp_____ted business opportunity | <i>adj.</i> never having been seen, done, or known before |
| 27. oce_____phy expedition | <i>n.</i> 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 |
| 28. the cr___e line | <i>n.</i> a voyage on a large ship for pleasure; driving or traveling at a leisurely pace |

ANSWERS: 19. bounce, 20. predict, 21. continent, 22. microorganism, 23. pilgrim, 24. collaborate, 25. unprecedented, 26. unprecedented, 27. oceanography, 28. cruise

- | | |
|---|---|
| 29. sta_____cs for cancer | <i>n.</i> the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data |
| 30. po__r regions | <i>adj.</i> relating to, or close to, the North or South Pole; characterized by complete opposites |
| 31. draw an_____y | <i>n.</i> a comparison between similar things that have similar aspects, often used to help explain a principle or concept |
| 32. cell and molecular bi_____y | <i>n.</i> the scientific study of life and the natural processes of living things |
| 33. high se_____ty | <i>n.</i> the quality or condition of being severe, strict, or harsh |
| 34. s__m the surface of the water | <i>v.</i> to read something quickly to get a general idea of its contents; to remove any unwanted or unnecessary material from the surface of a liquid; to glide smoothly or briefly over a surface |
| 35. as___e a lousy attitude to his boss | <i>v.</i> 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 |
| 36. average fuel con_____on | <i>n.</i> the amount used or eaten; the act of using up a resource such as energy, food, or materials |
| 37. a scanty ha_____t | <i>n.</i> yields of plants in a single growing season; the period of the year when gathering occurs on a farm |
| 38. beginning of the industrial
rev_____on | <i>n.</i> a large-scale attempt to overthrow the government of a country, often using violence or war; |

ANSWERS: 29. statistics, 30. polar, 31. analogy, 32. biology, 33. severity, 34. skim, 35. assume, 36. consumption, 37. harvest, 38. revolution

- | | |
|----------------------------------|---|
| 39. an____t stories | <i>adj.</i> relating to the long ago, particularly the historical period preceding the fall of the Western Roman Empire; very old |
| 40. v__y according to the age | <i>v.</i> to become different in terms of size, shape, etc. |
| 41. a ge____e article | <i>adj.</i> real and exactly; not pretended; sincerely felt or expressed |
| 42. heavily re____t on oil | <i>adj.</i> needing something or something to continue, to work correctly, or to succeed |
| 43. se____er pollution | <i>n.</i> water from the sea or ocean, typically containing salt and various other dissolved minerals |
| 44. evolutionary bi____y | <i>n.</i> the scientific study of life and the natural processes of living things |
| 45. emissions of gre____se gases | <i>n.</i> a building with walls and roof made chiefly of transparent material, such as glass, for growing plants in |
| 46. television i__n | <i>n.</i> a picture or statue of a holy person considered to be a sacred thing; a little icon on the screen of a computer or smartphone that denotes an application or a file |
| 47. pathogenic mi____e | <i>n.</i> a tiny living thing that can only be seen with a microscope and that may cause disease |
| 48. em___e as a butterfly | <i>v.</i> to move out of or away from something and become visible |
| 49. su____ed economic growth | <i>adj.</i> lasting for a long time or continuing for a long time without becoming weaker or less intense |

ANSWERS: 39. ancient, 40. vary, 41. genuine, 42. reliant, 43. seawater, 44. biology, 45. greenhouse, 46. icon, 47. microbe, 48. emerge, 49. sustained

50. sa___n migration	<i>n.</i> a type of fish that is commonly found in the North Atlantic and North Pacific oceans
51. pr_____ge of membership	<i>n.</i> a special right or advantage that only one person or group of people has, usually because they are rich and powerful in a society
52. the great di_____ry of the century	<i>n.</i> the act or process of finding information, a place, or an object, or learning about something that was previously not known
53. up___t my spirit	<i>n.</i> the process of raising land to a higher elevation, or the result of this process; (verb) fill with high spirits
54. change the ec_____em	<i>n.</i> all the plants and living creatures in an area and the way they affect each other and the environment
55. se_____or mapping	<i>n.</i> the bottom of the ocean
56. fun_____al education	<i>adj.</i> forming an essential base or core from which everything else develops or is affected
57. de_____e in quality	<i>v.</i> to become gradually smaller, fewer, worse, etc.; to refuse to accept
58. im_____e pressure	<i>adj.</i> extremely large or great
59. coral r__fs	<i>n.</i> a long chain or range of rocks or sand near the ocean's surface
60. m__t down gold	<i>v.</i> to turn from something solid into something soft or liquid as a result of heating

ANSWERS: 50. salmon, 51. privilege, 52. discovery, 53. uplift, 54. ecosystem, 55. seafloor, 56. fundamental, 57. decline, 58. immense, 59. reef, 60. melt

- | | |
|--------------------------------------|--|
| 61. pre-Christian an____t | <i>adj.</i> relating to the long ago, particularly the historical period preceding the fall of the Western Roman Empire; very old |
| 62. se_____er bacteria | <i>n.</i> water from the sea or ocean, typically containing salt and various other dissolved minerals |
| 63. nuclear ph_____s | <i>n.</i> the science of matter and energy and their interactions |
| 64. a co____n of water | <i>n.</i> one of the vertical blocks that split content on a page or screen from top to bottom; an upright pillar that often supports an arch, entablature, or other structure or stands alone as a monument |
| 65. poignant vi_____te | <i>n.</i> a brief or short descriptive account, episode, or story that focuses on a particular moment, person, or object; a small decorative design or illustration |
| 66. ca____n emission | <i>n.</i> a chemical element that can be found in pure form as diamond or graphite, and it is also an essential part of coal and oil and is found in all plants and animals |
| 67. in_____t a heavier tax | <i>v.</i> to cause harm, injury, or suffering to someone or something |
| 68. carbon dioxide in the atm_____re | <i>n.</i> the mass of air that surrounds the Earth; the pervading tone or mood of a place, situation, or creative work |
| 69. in_____e a lot of paperwork | <i>v.</i> to include or affect someone or something as a necessary part of something else |

ANSWERS: 61. ancient, 62. seawater, 63. physics, 64. column, 65. vignette, 66. carbon, 67. inflict, 68. atmosphere, 69. involve

- | | |
|-----------------------------------|---|
| 70. get inc_____ly insecure | <i>adv.</i> in a way that is very difficult to believe; exceedingly or extremely |
| 71. an_____y detection | <i>n.</i> something or someone that deviates from what is expected or normal, often in a way that is difficult to explain or understand |
| 72. sl__e a glance | <i>v.</i> to move or cause to move smoothly along a surface without interruption |
| 73. inc_____ly cheerful character | <i>adv.</i> in a way that is very difficult to believe; exceedingly or extremely |
| 74. c__b cakes | <i>n.</i> a sea creature with two large claws and a flattened back (e.g., blue crab or king crab); a sour or grumpy person who is prone to complaining or criticizing |
| 75. v__t desert | <i>adj.</i> enormous in size, number, amount, or quantity |
| 76. obs_____on instrument | <i>n.</i> the act or activity of carefully examining or monitoring something or someone |
| 77. ig___e a ban | <i>v.</i> to intentionally not listen or pay attention to |
| 78. i__n for young people | <i>n.</i> a picture or statue of a holy person considered to be a sacred thing; a little icon on the screen of a computer or smartphone that denotes an application or a file |
| 79. cir_____on of money | <i>n.</i> the movement of blood through the body or of a fluid through a system; the number of copies of a newspaper or magazine that are sold |

ANSWERS: 70. incredibly, 71. anomaly, 72. slide, 73. incredibly, 74. crab, 75. vast, 76. observation, 77. ignore, 78. icon, 79. circulation

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| 80. a pr____nd book | <i>adj.</i> extremely great; sensed or experienced very strongly; displaying a high level of knowledge or comprehension |
| 81. ad__t as needed | <i>v.</i> to make fit for or change to suit a new purpose or environment |
| 82. extreme tem____res | <i>n.</i> the degree of hotness or coldness of a thing or place |
| 83. p__t a revolution | <i>n.</i> a secret plan or scheme to achieve a specific goal; the plan or main story of a literary work; (verb) to plan secretly, usually something illegal |
| 84. avoid getting se____k | <i>adj.</i> feeling ill or nauseous as a result of being on a ship or boat that is moving or rocking back and forth in a rough sea; suffering from motion sickness |
| 85. shrine for pi____ms | <i>n.</i> a person who journeys, especially a long distance, to a sacred place as an act of religious devotion |
| 86. ab____b energy | <i>v.</i> to take in a fluid or other substance gradually |
| 87. bl__m in autumn | <i>n.</i> a flower, especially one having showy or colorful parts; the best time of youth |
| 88. the se____ty of cold | <i>n.</i> the quality or condition of being severe, strict, or harsh |
| 89. unsung h__o | <i>n.</i> a person who is admired or idealized for courage, outstanding achievements, or noble qualities; a character in literature or history who is central to the plot and who exhibits heroic qualities |

ANSWERS: 80. profound, 81. adapt, 82. temperature, 83. plot, 84. seasick, 85. pilgrim, 86. absorb, 87. bloom, 88. severity, 89. hero

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| 90. fi____y management | <i>n.</i> an area of water where fish are caught in large quantities for living; a business or practice of catching and selling fish |
| 91. as____e an important role | <i>v.</i> 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 |
| 92. lymphatic cir_____on | <i>n.</i> the movement of blood through the body or of a fluid through a system; the number of copies of a newspaper or magazine that are sold |
| 93. silver ox____e | <i>n.</i> a chemical compound that contains at least one oxygen atom and one other element |
| 94. phy_____ton blooms | <i>n.</i> tiny little plants that float on the surface of the water and on which sea creatures feed |
| 95. co____e augmented reality | <i>v.</i> to join or merge to form a single thing or group |
| 96. con_____te his ego | <i>v.</i> to make something impure, unclean, or poisonous by contact or mixture |
| 97. eco_____al use of her time | <i>adj.</i> providing a satisfactory return on the money, time, or effort; not using more money, fuel, etc. than necessary |
| 98. po_____io manager | <i>n.</i> a collection of work, documents, or other materials that demonstrate a person's skills, qualifications, or achievements; a collection of investments held by a person or organization |

ANSWERS: 90. fishery, 91. assume, 92. circulation, 93. oxide, 94. phytoplankton, 95. combine, 96. contaminate, 97. economical, 98. portfolio

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| 99. met_____sm enzyme | <i>n.</i> the set of chemical reactions in cells or organisms that are necessary for life-sustaining |
| 100. lack of 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 |
| 101. live an ab_____nt life | <i>adj.</i> present in great quantity |
| 102. co_____e chemically with another substance | <i>v.</i> to join or merge to form a single thing or group |
| 103. co____l a person to submission | <i>v.</i> to force or require someone to do something; to exert a strong, irresistible force or pressure that makes someone act in a certain way |
| 104. p__t twist | <i>n.</i> a secret plan or scheme to achieve a specific goal; the plan or main story of a literary work; (verb) to plan secretly, usually something illegal |
| 105. nu_____e his talents | <i>v.</i> to take care of, feed, and protect someone or something while they are growing and developing |
| 106. the ec_____y of the island | <i>n.</i> the study of the relationships between living organisms, including humans, and their physical environment |
| 107. ph scale | <i>n.</i> 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 |

ANSWERS: 99. metabolism, 100. oxygen, 101. abundant, 102. combine, 103. compel, 104. plot, 105. nurture, 106. ecology, 107. ph

108. pl____on community	<i>n.</i> tiny forms of plant and animal life that live in water or air on which other animals feed
109. v__y directly with the price	<i>v.</i> to become different in terms of size, shape, etc.
110. the int_____on between man and his environment	<i>n.</i> the act of connecting with someone, mainly when working, playing, or spending time with them
111. the speaker's dr__e	<i>n.</i> a low continuous humming noise; someone who takes more time than necessary; a pilot-less aerial vehicle that is operated by remote control
112. ove_____ng ban	<i>n.</i> the removal of too many fish from a body of water, causing a decline in population levels and harm to the ecosystem
113. a ti__t game	<i>adj.</i> fixed, fastened, or kept together firmly or closely
114. unwarranted in_____on	<i>n.</i> the act of entering a place or situation where one is not welcome or invited; the action or process of forcing a body of molten rock between or through existing formations without reaching the surface
115. high levels of air po_____on	<i>n.</i> the introduction of harmful substances or waste into the natural environment that causes adverse change
116. beauty s__t	<i>n.</i> a particular location or place; a small round or roundish area, differing in color or feels from the surface around it

ANSWERS: 108. plankton, 109. vary, 110. interaction, 111. drone, 112. overfishing, 113. tight, 114. intrusion, 115. pollution, 116. spot

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| 117. d__e into anime communities | <i>v.</i> to jump into the water with your head and arms going in first, or to move down to a deeper level underwater |
| 118. pr____t when she will arrive | <i>v.</i> to state beforehand that something will happen in the future, mainly based on knowledge or experience |
| 119. legal co____t | <i>n.</i> the circumstances, facts, or conditions that surround a particular event, situation, or statement and that give it meaning |
| 120. edible sh_____sh | <i>n.</i> water creatures that live in shells, especially one of the types that can be eaten |
| 121. show ge_____e regret | <i>adj.</i> real and exactly; not pretended; sincerely felt or expressed |
| 122. su_____n a wellness lifestyle | <i>v.</i> to supply enough of what somebody or something needs to survive or exist; to accept as valid |
| 123. stream aci_____ion | <i>n.</i> the act or process of becoming acid or making something become acid |
| 124. wi_____s of the car accident | <i>n.</i> a person who sees something happen, especially a crime or an accident |
| 125. supply ch__n | <i>n.</i> a series of connected links or objects; a system or group of interconnected elements; a restraint or shackle |
| 126. re_____t a new hire | <i>v.</i> to persuade someone to work for a company; to find new members for an organization, the armed forces, etc. |
| 127. g__e movement | <i>n.</i> a circular or spiral motion, particularly a vortex or large-scale system of rotating ocean currents |

ANSWERS: 117. dive, 118. predict, 119. context, 120. shellfish, 121. genuine, 122. sustain, 123. acidification, 124. witness, 125. chain, 126. recruit, 127. gyre

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| 128. the stock market co____sed | <i>v.</i> to fall down or give way suddenly, often after breaking apart |
| 129. pH value of seven | <i>n.</i> 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 |
| 130. yield cu__e | <i>n.</i> 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 |
| 131. su____ic vegetation | <i>adj.</i> describing a region or climate that is between tropical and temperate and often characterized by warm temperatures and moderate rainfall |
| 132. ma____e stars | <i>adj.</i> enormous amount; very heavy and solid |
| 133. exotic plants in a gre____se | <i>n.</i> a building with walls and roof made chiefly of transparent material, such as glass, for growing plants in |
| 134. acc____te evidence | <i>v.</i> to collect or acquire a large number of things over a long period of time |
| 135. ec____y of scale | <i>n.</i> 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 |
| 136. ma____e insurance | <i>adj.</i> relating to the sea and the creatures and plants that live there |

ANSWERS: 128. collapse, 129. ph, 130. curve, 131. subtropic, 132. massive, 133. greenhouse, 134. accumulate, 135. economy, 136. marine

137. pl____on blooms	<i>n.</i> tiny forms of plant and animal life that live in water or air on which other animals feed
138. moral imp____ve	<i>adj.</i> very important or requiring attention or action
139. su____ic region	<i>adj.</i> describing a region or climate that is between tropical and temperate and often characterized by warm temperatures and moderate rainfall
140. hemoglobin met____sm	<i>n.</i> the set of chemical reactions in cells or organisms that are necessary for life-sustaining
141. subtropical g__e	<i>n.</i> a circular or spiral motion, particularly a vortex or large-scale system of rotating ocean currents
142. a sort of ma____l	<i>n.</i> any animal of which the female gives birth to live young, not eggs, and feeds her young on milk from her own body
143. industrial ex____on	<i>n.</i> the process of becoming larger or more extensive, or the result of this process
144. abs____ly obsessed with the girl	<i>adv.</i> without restriction or limitation; completely or utterly
145. mic____ic inquiry	<i>adj.</i> tiny; exceedingly precise and detail-oriented; of or used in microscopy
146. a two-t__r system	<i>n.</i> one of a series of rows or levels arranged one above the other, typically used to describe the arrangement of objects or levels of importance
147. su____n a good relationship with him	<i>v.</i> to supply enough of what somebody or something needs to survive or exist; to accept as valid

ANSWERS: 137. plankton, 138. imperative, 139. subtropic, 140. metabolism, 141. gyre, 142. mammal, 143. expansion, 144. absolutely, 145. microscopic, 146. tier, 147. sustain

148. bio_____ity conservation	<i>n.</i> the number and variety of plants and animals that exist in a particular area or the world and make a balanced environment
149. unintended con_____ces	<i>n.</i> the outcome of a particular action or event, especially relative to an individual
150. an ab_____te must	<i>adj.</i> perfect or complete or to the most considerable degree possible
151. su_____ed release medication	<i>adj.</i> lasting for a long time or continuing for a long time without becoming weaker or less intense
152. app_____te behavior	<i>adj.</i> suitable or proper in the circumstances; fitting
153. the spinal co____n	<i>n.</i> one of the vertical blocks that split content on a page or screen from top to bottom; an upright pillar that often supports an arch, entablature, or other structure or stands alone as a monument
154. export-re_____t economy	<i>adj.</i> needing something or something to continue, to work correctly, or to succeed
155. inland ba____n	<i>n.</i> a natural depression or valley that is circular or oval on the surface of the earth, especially one that has water in it; a container with a bowl form that is typically used to hold food or liquids
156. sp____e cost	<i>adj.</i> additional to what is necessary for ordinary use; (verb) to give time, money, space, etc. to someone

ANSWERS: 148. biodiversity, 149. consequence, 150. absolute, 151. sustained, 152. appropriate, 153. column, 154. reliant, 155. basin, 156. spare

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| 157. the ch_____ry of soil | <i>n.</i> the branch of the natural sciences dealing with the composition of substances and their properties and reactions |
| 158. health in__x | <i>n.</i> a list of items, such as names, subjects, or keywords, that is arranged in a particular order and is usually found at the end of a book or document; a number or symbol that indicates the value or level of something, such as a stock index or a temperature index |
| 159. re-em_____ce of rampant inflation | <i>n.</i> the process or fact of coming into existence or becoming apparent |
| 160. tr__e a telephone call | <i>v.</i> to find or discover someone or something that was lost |
| 161. g__d student | <i>n.</i> (informal for graduate) a student who has recently graduated or is about to graduate from a school, college, or university |
| 162. oce_____phy data | <i>n.</i> 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 |
| 163. re_____nt by a diagram | <i>v.</i> to speak, act, or be present on behalf of another person or group; to form or constitute |
| 164. a full-text in__x | <i>n.</i> a list of items, such as names, subjects, or keywords, that is arranged in a particular order and is usually found at the end of a book or document; a number or symbol that indicates the value or level of something, such as a stock index or a temperature index |

ANSWERS: 157. chemistry, 158. index, 159. emergence, 160. trace, 161. grad, 162. oceanography, 163. represent, 164. index

165. co_____nt urinary diversion	<i>n.</i> one of the earth's large landmasses; (adjective) abstaining from your feelings, especially your desire to have sex
166. al__e biofuel	<i>n.</i> A simple plant that grows in or near water and lacks typical leaves and roots
167. a low-pi__hed sound	<i>n.</i> 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
168. nontechnical as___ts of the job	<i>n.</i> one part or feature of a situation, problem, subject, etc.
169. co_____al combination of funds	<i>adj.</i> belonging to or used by a group rather than individuals; for common use
170. ready to co_____se	<i>v.</i> to fall down or give way suddenly, often after breaking apart
171. mistaken id_____ty	<i>n.</i> the fact of being who or what somebody or something is; the features, emotions, or ideas that distinguish persons from one another
172. a profit ma____n	<i>n.</i> the space around the edge of a page or document; (finance) the net sales minus the cost of goods and services sold
173. co___l attention	<i>v.</i> to force or require someone to do something; to exert a strong, irresistible force or pressure that makes someone act in a certain way
174. combined ox__e	<i>n.</i> a chemical compound that contains at least one oxygen atom and one other element

ANSWERS: 165. continent, 166. algae, 167. pitch, 168. aspect, 169. communal, 170. collapse, 171. identity, 172. margin, 173. compel, 174. oxide

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| 175. to__n exposure | <i>n.</i> a poisonous substance produced by a living organism, such as a plant, animal, or microorganism; a chemical compound that can cause harm or illness to a living organism |
| 176. a breach of pr____ge | <i>n.</i> a special right or advantage that only one person or group of people has, usually because they are rich and powerful in a society |
| 177. tr__e back to medieval times | <i>v.</i> to find or discover someone or something that was lost |
| 178. ma____e amounts | <i>adj.</i> enormous amount; very heavy and solid |
| 179. ca___n dioxide | <i>n.</i> a chemical element that can be found in pure form as diamond or graphite, and it is also an essential part of coal and oil and is found in all plants and animals |
| 180. t__r one company | <i>n.</i> one of a series of rows or levels arranged one above the other, typically used to describe the arrangement of objects or levels of importance |
| 181. to__n production | <i>n.</i> a poisonous substance produced by a living organism, such as a plant, animal, or microorganism; a chemical compound that can cause harm or illness to a living organism |
| 182. abs____ly against | <i>adv.</i> without restriction or limitation; completely or utterly |
| 183. barrier r__f | <i>n.</i> a long chain or range of rocks or sand near the ocean's surface |

ANSWERS: 175. toxin, 176. privilege, 177. trace, 178. massive, 179. carbon, 180. tier, 181. toxin, 182. absolutely, 183. reef

184. a material wi____s	<i>n.</i> a person who sees something happen, especially a crime or an accident
185. an egg sh__l	<i>n.</i> hard outer covering or case of eggs, nuts, some seeds, and some animals
186. art cr____c	<i>n.</i> someone who expresses opinions about the quality of books, music, etc.
187. environmental po____on	<i>n.</i> the introduction of harmful substances or waste into the natural environment that causes adverse change
188. official sta____cs	<i>n.</i> the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data
189. pl____t like the Earth	<i>n.</i> any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star
190. st____th of the economy	<i>n.</i> the quality or state of being physically, or sometimes mentally, strong
191. science of ec____y	<i>n.</i> the study of the relationships between living organisms, including humans, and their physical environment
192. pathogenic mic______ism	<i>n.</i> a very small living thing that may exist in its single-celled form or as a colony of cells and is too small to be seen without a microscope
193. os____te between joy and anger	<i>v.</i> to swing or move back and forth like a pendulum or a wave; to fluctuate or alternate between two points or states; to hesitate or be indecisive

ANSWERS: 184. witness, 185. shell, 186. critic, 187. pollution, 188. statistics, 189. planet, 190. strength, 191. ecology, 192. microorganism, 193. oscillate

194. exposure to to__c chemicals	<i>adj.</i> of or relating to or caused by a poison; poisonous
195. polar con_____al air	<i>adj.</i> of or relating to a continent (= one of the earth's large landmasses)
196. as___ts of social, political, and economic life	<i>n.</i> one part or feature of a situation, problem, subject, etc.
197. the pr____nd depths of the sea	<i>adj.</i> extremely great; sensed or experienced very strongly; displaying a high level of knowledge or comprehension
198. mi_____es sterilizer	<i>n.</i> a tiny living thing that can only be seen with a microscope and that may cause disease
199. high ar___c	<i>adj.</i> of or relating to the region around the North Pole or the Arctic Ocean; very cold
200. in____t a hard blow	<i>v.</i> to cause harm, injury, or suffering to someone or something
201. col_____te with the police	<i>v.</i> to work with someone else to produce or achieve something
202. bo___e back from failure	<i>v.</i> to cause to move up or away after hitting a surface; to spring back
203. historical co____t	<i>n.</i> the circumstances, facts, or conditions that surround a particular event, situation, or statement and that give it meaning
204. time z___e	<i>n.</i> a specific area, region, or section that is marked off or defined in some way
205. sp___e parts	<i>adj.</i> additional to what is necessary for ordinary use; (verb) to give time, money, space, etc. to someone

ANSWERS: 194. toxic, 195. continental, 196. aspect, 197. profound, 198. microbe, 199. arctic, 200. inflict, 201. collaborate, 202. bounce, 203. context, 204. zone, 205. spare

206. smokeless f__l	<i>n.</i> a substance that is typically burned to generate heat or energy
207. the ba__n of the Great Salt Lake	<i>n.</i> a natural depression or valley that is circular or oval on the surface of the earth, especially one that has water in it; a container with a bowl form that is typically used to hold food or liquids
208. a GPS sa_____te	<i>n.</i> 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.
209. wh__e watching	<i>n.</i> a very large sea mammal that has a streamlined body and breathes through a blowhole on the head; a very large person; impressive in size or qualities
210. imp_____ve need	<i>adj.</i> very important or requiring attention or action
211. ill_____te a story	<i>v.</i> to provide pictures, photographs, diagrams, etc. in a book or something for explanation
212. up___t mountains	<i>n.</i> the process of raising land to a higher elevation, or the result of this process; (verb) fill with high spirits
213. re_____nt population	<i>adj.</i> able to withstand or recover quickly from difficult conditions
214. sl__e a card across the table	<i>v.</i> to move or cause to move smoothly along a surface without interruption
215. a cold cl_____e	<i>n.</i> the weather in a particular location averaged over some long period

ANSWERS: 206. fuel, 207. basin, 208. satellite, 209. whale, 210. imperative, 211. illustrate, 212. uplift, 213. resilient, 214. slide, 215. climate

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| 216. card sh__k | <i>n.</i> a long-bodied, mostly predatory marine fish that has sharp teeth and a pointed fin on its back; a person who is ruthless, greedy, and dishonest |
| 217. s__m off the top | <i>v.</i> to read something quickly to get a general idea of its contents; to remove any unwanted or unnecessary material from the surface of a liquid; to glide smoothly or briefly over a surface |
| 218. os_____te back and forth | <i>v.</i> to swing or move back and forth like a pendulum or a wave; to fluctuate or alternate between two points or states; to hesitate or be indecisive |
| 219. the em_____on of light | <i>n.</i> the act of production or sending out gas, heat, light, etc. |
| 220. ove_____ng crisis | <i>n.</i> the removal of too many fish from a body of water, causing a decline in population levels and harm to the ecosystem |
| 221. b__e a heavy rain | <i>v.</i> to be a sign or indication of a particular outcome or event in the future, can be positive or negative |
| 222. gl___r club | <i>n.</i> a light aircraft or small, unpowered plane that is designed to glide and soar through the air using natural winds and or thermal currents |
| 223. high fr_____cy | <i>n.</i> an ordered array of colors into which a light beam can be split |
| 224. connecting the d_ts | <i>n.</i> a very small circular mark, especially one that is printed |

ANSWERS: 216. shark, 217. skim, 218. oscillate, 219. emission, 220. overfishing, 221. bode, 222. glider, 223. frequency, 224. dot

225. baked ha____t	<i>n.</i> a large, flat-bodied saltwater fish that is an important food source, particularly in North America and Europe
226. marine ec_____em	<i>n.</i> all the plants and living creatures in an area and the way they affect each other and the environment
227. a bull wh__e	<i>n.</i> a very large sea mammal that has a streamlined body and breathes through a blowhole on the head; a very large person; impressive in size or qualities
228. c__b legs	<i>n.</i> a sea creature with two large claws and a flattened back (e.g., blue crab or king crab); a sour or grumpy person who is prone to complaining or criticizing
229. be___e of strangers	<i>v.</i> to be cautious or careful about something or someone that may cause harm or danger
230. variety of ma___e life	<i>adj.</i> relating to the sea and the creatures and plants that live there
231. nu_____e love	<i>v.</i> to take care of, feed, and protect someone or something while they are growing and developing
232. env_____nt affairs	<i>n.</i> the natural world such as air, water, and land in which humans, animals, and plants live
233. investment po_____io	<i>n.</i> a collection of work, documents, or other materials that demonstrate a person's skills, qualifications, or achievements; a collection of investments held by a person or organization

ANSWERS: 225. halibut, 226. ecosystem, 227. whale, 228. crab, 229. beware, 230. marine, 231. nurture, 232. environment, 233. portfolio

234. sa___n fishery	<i>n.</i> a type of fish that is commonly found in the North Atlantic and North Pacific oceans
235. an ab_____nt supply of water	<i>adj.</i> present in great quantity
236. a convivial atm_____re	<i>n.</i> the mass of air that surrounds the Earth; the pervading tone or mood of a place, situation, or creative work
237. global temperature an_____y	<i>n.</i> something or someone that deviates from what is expected or normal, often in a way that is difficult to explain or understand
238. a mollusk sh__l	<i>n.</i> hard outer covering or case of eggs, nuts, some seeds, and some animals
239. effects of cl_____e change	<i>n.</i> the weather in a particular location averaged over some long period
240. co_____e electricity	<i>v.</i> to spend something, especially fuel, energy, or time, in a large amount
241. an op_____ne remark	<i>adj.</i> suitable or happening at a time that is suitable or convenient for a particular purpose
242. an eco_____al meal	<i>adj.</i> providing a satisfactory return on the money, time, or effort; not using more money, fuel, etc. than necessary
243. the characters that re_____nt numbers	<i>v.</i> to speak, act, or be present on behalf of another person or group; to form or constitute
244. s__f the waves	<i>v.</i> 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

ANSWERS: 234. salmon, 235. abundant, 236. atmosphere, 237. anomaly, 238. shell, 239. climate, 240. consume, 241. opportune, 242. economical, 243. represent, 244. surf

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| 245. se____or exploration | <i>n.</i> the bottom of the ocean |
| 246. economic do____ay | <i>n.</i> the last day of the world when Christians believe that God will judge everyone; an unpleasant or disastrous event |
| 247. ch__n reaction | <i>n.</i> a series of connected links or objects; a system or group of interconnected elements; a restraint or shackle |
| 248. medical l_b | <i>n.</i> a workplace for the conduct of scientific research; a laboratory |
| 249. fun____al rights | <i>adj.</i> forming an essential base or core from which everything else develops or is affected |
| 250. in____on prevention | <i>n.</i> the act of entering a place or situation where one is not welcome or invited; the action or process of forcing a body of molten rock between or through existing formations without reaching the surface |
| 251. historical an____y | <i>n.</i> a comparison between similar things that have similar aspects, often used to help explain a principle or concept |
| 252. eut____ion problem | <i>n.</i> the process by which a body of water becomes enriched with excess nutrients (usually from agricultural runoff or sewage), resulting in an overgrowth of algae and other aquatic plants, which can eventually cause oxygen depletion and the death of other organisms in the water |

ANSWERS: 245. seafloor, 246. doomsday, 247. chain, 248. lab, 249. fundamental, 250. intrusion, 251. analogy, 252. eutrophication

253. be___e of scams	<i>v.</i> to be cautious or careful about something or someone that may cause harm or danger
254. pond eut_____ion	<i>n.</i> the process by which a body of water becomes enriched with excess nutrients (usually from agricultural runoff or sewage), resulting in an overgrowth of algae and other aquatic plants, which can eventually cause oxygen depletion and the death of other organisms in the water
255. in___ve species	<i>adj.</i> spreading very quickly, and often aggressively, and difficult to stop
256. marine phy_____ton	<i>n.</i> tiny little plants that float on the surface of the water and on which sea creatures feed
257. ma___n error	<i>n.</i> the space around the edge of a page or document; (finance) the net sales minus the cost of goods and services sold
258. z___e defense	<i>n.</i> a specific area, region, or section that is marked off or defined in some way
259. make a pi___h for a new product	<i>n.</i> 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
260. the to___c of the book	<i>n.</i> a subject that is being discussed or written about
261. ad___t fully to the environment	<i>v.</i> to make fit for or change to suit a new purpose or environment

ANSWERS: 253. beware, 254. eutrophication, 255. invasive, 256. phytoplankton, 257. margin, 258. zone, 259. pitch, 260. topic, 261. adapt

262. a man-eating sh__k	<i>n.</i> a long-bodied, mostly predatory marine fish that has sharp teeth and a pointed fin on its back; a person who is ruthless, greedy, and dishonest
263. acc_____te cash value	<i>v.</i> to collect or acquire a large number of things over a long period of time
264. vi_____te from the incident	<i>n.</i> a brief or short descriptive account, episode, or story that focuses on a particular moment, person, or object; a small decorative design or illustration
265. em_____ce as a national leader	<i>n.</i> the process or fact of coming into existence or becoming apparent
266. in_____e a high degree of risk	<i>v.</i> to include or affect someone or something as a necessary part of something else
267. ex_____on project	<i>n.</i> the process of becoming larger or more extensive, or the result of this process
268. aci_____ion of soil	<i>n.</i> the act or process of becoming acid or making something become acid
269. mic_____ic analysis	<i>adj.</i> tiny; exceedingly precise and detail-oriented; of or used in microscopy
270. co_____al swimming pool	<i>adj.</i> belonging to or used by a group rather than individuals; for common use
271. a meteorological sa_____te	<i>n.</i> 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.
272. blue al__e	<i>n.</i> A simple plant that grows in or near water and lacks typical leaves and roots

ANSWERS: 262. shark, 263. accumulate, 264. vignette, 265. emergence, 266. involve, 267. expansion, 268. acidification, 269. microscopic, 270. communal, 271. satellite, 272. algae

273. sh_____sh allergy	<i>n.</i> water creatures that live in shells, especially one of the types that can be eaten
274. black-and-white bl__ms	<i>n.</i> a flower, especially one having showy or colorful parts; the best time of youth
275. sequencing of the human ge___e	<i>n.</i> the complete set or sequence of genes of a human, animal, plant, or other living things
276. op_____ne occasion	<i>adj.</i> suitable or happening at a time that is suitable or convenient for a particular purpose
277. deeply re_____te with the consumers	<i>v.</i> to be filled with a deep echoing sound
278. in_____ve breast cancer	<i>adj.</i> spreading very quickly, and often aggressively, and difficult to stop
279. muscular st_____th	<i>n.</i> the quality or state of being physically, or sometimes mentally, strong
280. the atmospheric tem_____re	<i>n.</i> the degree of hotness or coldness of a thing or place
281. sw__l the wine	<i>v.</i> to move in a circular or spiral pattern
282. b__e for the future	<i>v.</i> to be a sign or indication of a particular outcome or event in the future, can be positive or negative
283. em___e from poverty	<i>v.</i> to move out of or away from something and become visible
284. po__r bears	<i>adj.</i> relating to, or close to, the North or South Pole; characterized by complete opposites
285. an app_____te time	<i>adj.</i> suitable or proper in the circumstances; fitting

ANSWERS: 273. shellfish, 274. bloom, 275. genome, 276. opportune, 277. resonate, 278. invasive, 279. strength, 280. temperature, 281. swirl, 282. bode, 283. emerge, 284. polar, 285. appropriate

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|---------------------------------|---|
| 286. the con_____on of food | <i>n.</i> the amount used or eaten; the act of using up a resource such as energy, food, or materials |
| 287. se_____k medication | <i>adj.</i> feeling ill or nauseous as a result of being on a ship or boat that is moving or rocking back and forth in a rough sea; suffering from motion sickness |
| 288. learning cu__e | <i>n.</i> 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 |
| 289. id_____ty as an individual | <i>n.</i> the fact of being who or what somebody or something is; the features, emotions, or ideas that distinguish persons from one another |
| 290. se_____te cream from milk | <i>v.</i> to force, take, or pull apart; mark as different |
| 291. local h__o | <i>n.</i> a person who is admired or idealized for courage, outstanding achievements, or noble qualities; a character in literature or history who is central to the plot and who exhibits heroic qualities |
| 292. lingual di_____ty | <i>n.</i> the quality or fact of many different types of things or people being included in something; a range of different things or people |
| 293. mo____n poetry | <i>adj.</i> of or belonging to the present time or recent times |
| 294. dr__e flight | <i>n.</i> a low continuous humming noise; someone who takes more time than necessary; a pilot-less aerial vehicle that is operated by remote control |

ANSWERS: 286. consumption, 287. seasick, 288. curve, 289. identity, 290. separate, 291. hero, 292. diversity, 293. modern, 294. drone

295. co____e a large of alcohol	<i>v.</i> to spend something, especially fuel, energy, or time, in a large amount
296. def_____ly become a problem	<i>adv.</i> without any question and beyond doubt; clearly
297. m__t the ice	<i>v.</i> to turn from something solid into something soft or liquid as a result of heating
298. biomass f__l	<i>n.</i> a substance that is typically burned to generate heat or energy
299. lazy b_m	<i>n.</i> a person who is homeless or lives in poverty; a lazy, shiftless, or worthless person; a beggar; a person who spends time doing nothing productive
300. reap a ha_____t	<i>n.</i> yields of plants in a single growing season; the period of the year when gathering occurs on a farm
301. the con_____ce of an argument	<i>n.</i> the outcome of a particular action or event, especially relative to an individual
302. a serious to__c	<i>n.</i> a subject that is being discussed or written about
303. global em_____ons of greenhouse gases	<i>n.</i> the act of production or sending out gas, heat, light, etc.
304. ha_____on victory	<i>adj.</i> achieved with great effort, perseverance, or sacrifice; earned or gained only after overcoming significant obstacles or challenges
305. ar___c ice	<i>adj.</i> of or relating to the region around the North Pole or the Arctic Ocean; very cold

ANSWERS: 295. consume, 296. definitely, 297. melt, 298. fuel, 299. bum, 300. harvest, 301. consequence, 302. topic, 303. emission, 304. hard-won, 305. arctic

306. adaptive cr___e control	<i>n.</i> a voyage on a large ship for pleasure; driving or traveling at a leisurely pace
307. ha____t steak	<i>n.</i> a large, flat-bodied saltwater fish that is an important food source, particularly in North America and Europe
308. ig___e her advice	<i>v.</i> to intentionally not listen or pay attention to
309. mo__l burden	<i>adj.</i> concerned with the principles of what is right and wrong, fairness, honesty, etc.
310. fin_____nt identification	<i>n.</i> a unique pattern of ridges and valleys on the surface of a finger that can be used to identify a person
311. se____te video into chapter	<i>v.</i> to force, take, or pull apart; mark as different
312. professor of ch_____ry	<i>n.</i> the branch of the natural sciences dealing with the composition of substances and their properties and reactions
313. int_____on among human beings	<i>n.</i> the act of connecting with someone, mainly when working, playing, or spending time with them
314. laws of ph____s	<i>n.</i> the science of matter and energy and their interactions
315. en__t new legislation	<i>v.</i> to make a law; to put something into practice
316. co__l ornament	<i>n.</i> a rock-like substance created in the sea by groupings of specific types of small animals, commonly used in jewelry
317. ab____te loyalty	<i>adj.</i> perfect or complete or to the most considerable degree possible

ANSWERS: 306. cruise, 307. halibut, 308. ignore, 309. moral, 310. fingerprint, 311. separate, 312. chemistry, 313. interaction, 314. physics, 315. enact, 316. coral, 317. absolute

318. l_b instrument	<i>n.</i> a workplace for the conduct of scientific research; a laboratory
319. re____te in the same frequency	<i>v.</i> to be filled with a deep echoing sound
320. mo__l hazard	<i>adj.</i> concerned with the principles of what is right and wrong, fairness, honesty, etc.
321. loss of bio____ity	<i>n.</i> the number and variety of plants and animals that exist in a particular area or the world and make a balanced environment
322. severe cr____c	<i>n.</i> someone who expresses opinions about the quality of books, music, etc.
323. ha____on peace	<i>adj.</i> achieved with great effort, perseverance, or sacrifice; earned or gained only after overcoming significant obstacles or challenges
324. fr____cy band	<i>n.</i> an ordered array of colors into which a light beam can be split
325. chaotic env____nt	<i>n.</i> the natural world such as air, water, and land in which humans, animals, and plants live
326. a fairy t__e	<i>n.</i> a story made up in someone's imagination, especially one full of action and adventure
327. a political rev____on	<i>n.</i> a large-scale attempt to overthrow the government of a country, often using violence or war;
328. say def____ly	<i>adv.</i> without any question and beyond doubt; clearly

ANSWERS: 318. lab, 319. resonate, 320. moral, 321. biodiversity, 322. critic, 323. hard-won, 324. frequency, 325. environment, 326. tale, 327. revolution, 328. definitely

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|---------------------------------------|---|
| 329. commercial fi____y | <i>n.</i> an area of water where fish are caught in large quantities for living; a business or practice of catching and selling fish |
| 330. class obs_____on day | <i>n.</i> the act or activity of carefully examining or monitoring something or someone |
| 331. paper-gl____r | <i>n.</i> a light aircraft or small, unpowered plane that is designed to glide and soar through the air using natural winds and or thermal currents |
| 332. 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 |
| 333. a primitive ma____l | <i>n.</i> any animal of which the female gives birth to live young, not eggs, and feeds her young on milk from her own body |
| 334. qu__e a source | <i>v.</i> to repeat or reproduce the words or statement of someone else, often acknowledging the source; to give an estimated cost or price for goods or services |
| 335. save the pl____t | <i>n.</i> any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star |
| 336. pre-mo____n agricultural society | <i>adj.</i> of or belonging to the present time or recent times |
| 337. d__e off a cliff | <i>v.</i> to jump into the water with your head and arms going in first, or to move down to a deeper level underwater |

ANSWERS: 329. fishery, 330. observation, 331. glider, 332. oxygen, 333. mammal, 334. quote, 335. planet, 336. modern, 337. dive

338. to__c molecule	<i>adj.</i> of or relating to or caused by a poison; poisonous
339. co__l island	<i>n.</i> a rock-like substance created in the sea by groupings of specific types of small animals, commonly used in jewelry
340. de____e a job offer	<i>v.</i> to become gradually smaller, fewer, worse, etc.; to refuse to accept
341. s__g blanket	<i>adj.</i> comfortably warm and cozy; fitting tightly and comfortably; compact and efficient in design
342. ill____te a key point	<i>v.</i> to provide pictures, photographs, diagrams, etc. in a book or something for explanation
343. d_t blot method	<i>n.</i> a very small circular mark, especially one that is printed
344. s__f the Internet	<i>v.</i> 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
345. v__t majority	<i>adj.</i> enormous in size, number, amount, or quantity
346. fin____nt at a crime scene	<i>n.</i> a unique pattern of ridges and valleys on the surface of a finger that can be used to identify a person
347. ab__b a shock	<i>v.</i> to take in a fluid or other substance gradually
348. en__t the smoking ban	<i>v.</i> to make a law; to put something into practice

ANSWERS: 338. toxic, 339. coral, 340. decline, 341. snug, 342. illustrate, 343. dot, 344. surf, 345. vast, 346. fingerprint, 347. absorb, 348. enact

ANSWERS:

Session 3: Fill in the Blanks

1. 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
2. The strict deadlines will _____ the team to work efficiently.
v. to force or require someone to do something; to exert a strong, irresistible force or pressure that makes someone act in a certain way
3. _____ amounts of heckling and slogan-shouting took place throughout the event.
adj. never having been seen, done, or known before
4. The novel has a series of _____ that showcase the everyday struggles of its characters.
n. a brief or short descriptive account, episode, or story that focuses on a particular moment, person, or object; a small decorative design or illustration
5. The _____ of the hackers into the company's database caused significant damage.
n. the act of entering a place or situation where one is not welcome or invited; the action or process of forcing a body of molten rock between or through existing formations without reaching the surface
6. Cities around the world set records for highest _____ this summer.
n. the degree of hotness or coldness of a thing or place
7. As people age, their digestive capacity also gradually _____.
v. to become gradually smaller, fewer, worse, etc.; to refuse to accept

ANSWERS: 1. ancient, 2. compel, 3. Unprecedented, 4. vignettes, 5. intrusion, 6. temperatures, 7. declines

8. _____ has jammed the inlet to the water turbine.
n. A simple plant that grows in or near water and lacks typical leaves and roots
9. The _____ of the drought was a major concern for farmers.
n. the quality or condition of being severe, strict, or harsh
10. She struggled to _____ the children's reading habits.
v. to supply enough of what somebody or something needs to survive or exist; to accept as valid
11. The country was instrumental in promoting the _____ treaty.
n. the number and variety of plants and animals that exist in a particular area or the world and make a balanced environment
12. The desalination plant turned _____ into drinking water through a complex process.
n. water from the sea or ocean, typically containing salt and various other dissolved minerals
13. 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
14. Ethics deals with _____ conduct.
adj. concerned with the principles of what is right and wrong, fairness, honesty, etc.
15. The terrorist's _____ remains unknown.
n. the fact of being who or what somebody or something is; the features, emotions, or ideas that distinguish persons from one another

ANSWERS: 8. Algae, 9. severity, 10. sustain, 11. biodiversity, 12. seawater, 13. planet, 14. moral, 15. identity

16. Better sleep leads to increased _____.

- n.* the set of chemical reactions in cells or organisms that are necessary for life-sustaining

17. In junior high school, we had to dissect a frog in _____ class.

- n.* the scientific study of life and the natural processes of living things

18. The dark clouds _____ ill for the outdoor wedding ceremony.

- v.* to be a sign or indication of a particular outcome or event in the future, can be positive or negative

19. 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

20. 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

21. In the Middle Ages, the right to hunt in the wild was the _____ of royalty and nobility.

- n.* a special right or advantage that only one person or group of people has, usually because they are rich and powerful in a society

22. 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

23. The recent economic downturn has resulted in _____ layoffs.

- adj.* enormous amount; very heavy and solid

ANSWERS: 16. metabolism, 17. biology, 18. bode, 19. surf, 20. context, 21. privilege, 22. curve, 23. massive

24. 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

25. The _____ of the magazine has been steadily declining.

n. the movement of blood through the body or of a fluid through a system; the number of copies of a newspaper or magazine that are sold

26. The paper is _____ worth reading thoroughly.

adv. without any question and beyond doubt; clearly

27. The spaceship began to burn up as it approached the Earth's _____.

n. the mass of air that surrounds the Earth; the pervading tone or mood of a place, situation, or creative work

28. This _____ is a producer of respiratory disease.

n. a very small living thing that may exist in its single-celled form or as a colony of cells and is too small to be seen without a microscope

29. Unfortunately, the book's _____ was too small to make notes.

n. the space around the edge of a page or document; (finance) the net sales minus the cost of goods and services sold

30. The newspaper devoted several _____ to the affair.

n. one of the vertical blocks that split content on a page or screen from top to bottom; an upright pillar that often supports an arch, entablature, or other structure or stands alone as a monument

31. The human _____ contains approximately three billion chemical base pairs.

n. the complete set or sequence of genes of a human, animal, plant, or other living things

ANSWERS: 24. zone, 25. circulation, 26. definitely, 27. atmosphere, 28. microorganism, 29. margin, 30. columns, 31. genome

32. There are five distinct _____ at five unique wavelengths.
n. the act of production or sending out gas, heat, light, etc.
33. It would be _____ to dress nicely for the wedding.
adj. suitable or proper in the circumstances; fitting
34. 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
35. He has _____ his wealth through real estate investments.
v. to collect or acquire a large number of things over a long period of time
36. The _____ by the citizen resulted in a redistribution of wealth.
n. a large-scale attempt to overthrow the government of a country, often using violence or war;
37. It is _____ for politicians to be effective communicators.
adj. very important or requiring attention or action
38. This chemical compound is a thousand-fold more _____.
adj. of or relating to or caused by a poison; poisonous
39. The phone rang at the most _____ time.
adj. suitable or happening at a time that is suitable or convenient for a particular purpose
40. Marine _____ populations are declining worldwide due to ocean pollution.
n. any animal of which the female gives birth to live young, not eggs, and feeds her young on milk from her own body

ANSWERS: 32. emissions, 33. appropriate, 34. continent, 35. accumulated, 36. revolution, 37. imperative, 38. toxic, 39. opportune, 40. mammal

41. 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

42. Cold temperatures and long, dark winters characterize the _____ climate.

- adj.* of or relating to the region around the North Pole or the Arctic Ocean; very cold

43. The group of _____ walked in silence, deep in thought and prayer.

- n.* a person who journeys, especially a long distance, to a sacred place as an act of religious devotion

44. During colonial eras, new migratory patterns _____.

- v.* to move out of or away from something and become visible

45. He used to be a successful businessman, but now he's a washed-up ____ with nothing to show.

- n.* a person who is homeless or lives in poverty; a lazy, shiftless, or worthless person; a beggar; a person who spends time doing nothing productive

46. A ____ audience viewed the broadcast.

- adj.* enormous in size, number, amount, or quantity

47. 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

48. _____ is generally the foundation of the ocean food chain.

- n.* tiny forms of plant and animal life that live in water or air on which other animals feed

ANSWERS: 41. pitch, 42. arctic, 43. pilgrims, 44. emerged, 45. bum, 46. vast, 47. represent, 48. Plankton

49. The fan in the room _____ making the airflow more evenly.
v. to swing or move back and forth like a pendulum or a wave; to fluctuate or alternate between two points or states; to hesitate or be indecisive
50. I ordered a plate of fresh _____ at the seafood restaurant.
n. a sea creature with two large claws and a flattened back (e.g., blue crab or king crab); a sour or grumpy person who is prone to complaining or criticizing
51. The wallpaper had a pattern of pink _____ on a white surface.
n. a very small circular mark, especially one that is printed
52. 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
53. Hydrogen and oxygen _____ to form water.
v. to join or merge to form a single thing or group
54. 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
55. The company experienced _____ growth over the past decade.
adj. lasting for a long time or continuing for a long time without becoming weaker or less intense
56. _____ can cause allergic reactions in certain people.
n. water creatures that live in shells, especially one of the types that can be eaten

ANSWERS: 49. oscillates, 50. crab, 51. dots, 52. discovery, 53. combine, 54. dive, 55. sustained, 56. Shellfish

57. 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

58. She agreed to _____ with him in creating new artwork.

- v.* to work with someone else to produce or achieve something

59. Health and _____ are, above all, gold.

- n.* the quality or state of being physically, or sometimes mentally, strong

60. The hang-_____ enthusiast looked at the clear skies, anticipating a perfect day to take flight.

- n.* a light aircraft or small, unpowered plane that is designed to glide and soar through the air using natural winds and or thermal currents

61. The majority of the people on the island are _____ folk.

- n.* an area of water where fish are caught in large quantities for living; a business or practice of catching and selling fish

62. Some countries have a culture of eating the flesh of a _____.

- n.* a very large sea mammal that has a streamlined body and breathes through a blowhole on the head; a very large person; impressive in size or qualities

63. The chef expertly _____ the sauce onto the plate.

- v.* to move in a circular or spiral pattern

64. Inspectors noticed _____ cracks in the submarine's hull.

- adj.* tiny; exceedingly precise and detail-oriented; of or used in microscopy

ANSWERS: 57. uplift, 58. collaborate, 59. strength, 60. glider, 61. fishery, 62. whale, 63. swirled, 64. microscopic

65. The _____ demonstrate that poverty and unemployment are genuine problems.
- n.* the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data
66. The _____ effect is a phenomenon that happens naturally.
- n.* a building with walls and roof made chiefly of transparent material, such as glass, for growing plants in
67. The manufacturing industry is _____ fierce competition.
- n.* a person who sees something happen, especially a crime or an accident
68. Seals and whales are _____ animals beloved by the people.
- adj.* relating to the sea and the creatures and plants that live there
69. I made plans to spend my _____ time beneficially.
- adj.* additional to what is necessary for ordinary use; (verb) to give time, money, space, etc. to someone
70. Several cities are experiencing _____ high unemployment rates.
- adv.* in a way that is very difficult to believe; exceedingly or extremely
71. He was proud to be a _____ of the prestigious university.
- n.* (informal for graduate) a student who has recently graduated or is about to graduate from a school, college, or university
72. The outermost electron _____ determines the chemical properties of an atom.
- n.* hard outer covering or case of eggs, nuts, some seeds, and some animals

ANSWERS: 65. statistics, 66. greenhouse, 67. witnessing, 68. marine, 69. spare, 70. incredibly, 71. grad, 72. shell

73. Their headquarters are in a _____ skyscraper.

adj. of or belonging to the present time or recent times

74. Ocean _____ leads to a decrease in tiny sea snails.

n. the act or process of becoming acid or making something become acid

75. The trash caught in the _____ in the ocean, forming a massive garbage patch.

n. a circular or spiral motion, particularly a vortex or large-scale system of rotating ocean currents

76. The oscillator hunts for the correct _____.

n. an ordered array of colors into which a light beam can be split

77. 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.

78. He borrowed money from a loan _____.

n. a long-bodied, mostly predatory marine fish that has sharp teeth and a pointed fin on its back; a person who is ruthless, greedy, and dishonest

79. The stock market _____ measures the performance of a group of stocks.

n. a list of items, such as names, subjects, or keywords, that is arranged in a particular order and is usually found at the end of a book or document; a number or symbol that indicates the value or level of something, such as a stock index or a temperature index

80. Many of the lakes and marshes in the _____ are mildly salty.

n. a natural depression or valley that is circular or oval on the surface of the earth, especially one that has water in it; a container with a bowl form that is typically used to hold food or liquids

ANSWERS: 73. modern, 74. acidification, 75. gyre, 76. frequency, 77. satellite, 78. shark, 79. index, 80. basin

81. The _____ of the novel centers around a group of friends who uncover a conspiracy to control the world's water supply.
- n.* a secret plan or scheme to achieve a specific goal; the plan or main story of a literary work; (verb) to plan secretly, usually something illegal
82. The _____ is endangering the local plants and animals.
- n.* the introduction of harmful substances or waste into the natural environment that causes adverse change
83. 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
84. He is familiar with _____ and biology.
- n.* the branch of the natural sciences dealing with the composition of substances and their properties and reactions
85. Grilled _____ is a popular dish at summer barbecues.
- n.* a type of fish that is commonly found in the North Atlantic and North Pacific oceans
86. During _____ farmers are incredibly busy.
- n.* yields of plants in a single growing season; the period of the year when gathering occurs on a farm
87. They will _____ between various emotional states.
- v.* to cause to move up or away after hitting a surface; to spring back

ANSWERS: 81. plot, 82. pollution, 83. economy, 84. chemistry, 85. salmon, 86. harvest, 87. bounce

88. It's notoriously challenging to _____ birth rates.

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

89. The sound _____ well in this theater.

- v. to be filled with a deep echoing sound

90. Maximum heart rates _____ a lot for each individual.

- v. to become different in terms of size, shape, etc.

91. We strive not to _____ the environment when demolishing petroleum plants.

- v. to make something impure, unclean, or poisonous by contact or mixture

92. Let's _____ the origins of some familiar foreign words.

- v. to find or discover someone or something that was lost

93. 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

94. The Prime Minister will pay a courtesy visit to the Nobel laureate's _____.

- n. a workplace for the conduct of scientific research; a laboratory

95. The oceanographer studied the _____ topography to understand how it had changed over time.

- n. the bottom of the ocean

96. The ocean's ecosystem is being threatened by _____ causing many species to become endangered.

- n. the removal of too many fish from a body of water, causing a decline in population levels and harm to the ecosystem

ANSWERS: 88. predict, 89. resonates, 90. vary, 91. contaminate, 92. trace, 93. oxygen, 94. lab, 95. seafloor, 96. overfishing,

97. The rough waves made some passengers feel _____ during the boat ride.

adj. feeling ill or nauseous as a result of being on a ship or boat that is moving or rocking back and forth in a rough sea; suffering from motion sickness

98. She is wearing a _____ necklace.

n. a rock-like substance created in the sea by groupings of specific types of small animals, commonly used in jewelry

99. In the hospital, she will remain under constant _____.

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

100. Is this painting _____ or forged?

adj. real and exactly; not pretended; sincerely felt or expressed

101. The police used a _____ scanner to identify the suspect.

n. a unique pattern of ridges and valleys on the surface of a finger that can be used to identify a person

102. The _____ breakfast at the hotel was included with the room.

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

103. The baby was fast asleep in his _____ cot, swaddled in soft, warm blankets.

adj. comfortably warm and cozy; fitting tightly and comfortably; compact and efficient in design

104. Advocates for legal reform hear less harsh words from their _____.

n. someone who expresses opinions about the quality of books, music, etc.

105. The blood's red coloring comes from iron _____.

n. a chemical compound that contains at least one oxygen atom and one other element

ANSWERS: 97. seasick, 98. coral, 99. observation, 100. genuine, 101. fingerprint, 102. continental, 103. snug, 104. critics, 105. oxide

106. If necessary, you can _____ the front seats forward.

- v.* to move or cause to move smoothly along a surface without interruption

107. _____ animals are graceful and efficient swimmers.

- adj.* relating to, or close to, the North or South Pole; characterized by complete opposites

108. The colonial government _____ militia support when civil war broke out.

- v.* to persuade someone to work for a company; to find new members for an organization, the armed forces, etc.

109. Please _____ of the slippery floor after it rains, or you could fall.

- v.* to be cautious or careful about something or someone that may cause harm or danger

110. Some kinds of machine learning models show an _____ to how people learn.

- n.* a comparison between similar things that have similar aspects, often used to help explain a principle or concept

111. The company is undergoing an _____ opening new locations in several states.

- n.* the process of becoming larger or more extensive, or the result of this process

112. He heard a _____ of sirens roar from the neighboring town.

- n.* a low continuous humming noise; someone who takes more time than necessary; a pilot-less aerial vehicle that is operated by remote control

113. The investigation _____ several government agencies and is expected to take several months.

- v.* to include or affect someone or something as a necessary part of something else

ANSWERS: 106. slide, 107. Polar, 108. recruited, 109. beware, 110. analogy, 111. expansion, 112. drone, 113. involves

114. 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

115. This task is going to take me till _____.

- n.* the last day of the world when Christians believe that God will judge everyone; an unpleasant or disastrous event

116. Many companies are now enthusiastically embracing the knowledge of _____ for sustainable development.

- n.* the study of the relationships between living organisms, including humans, and their physical environment

117. Human behavior has _____ characteristics.

- adj.* forming an essential base or core from which everything else develops or is affected

118. Some comic book characters are considered gay _____.

- n.* a picture or statue of a holy person considered to be a sacred thing; a little icon on the screen of a computer or smartphone that denotes an application or a file

119. The _____ of a new virus can cause concern for public health.

- n.* the process or fact of coming into existence or becoming apparent

120. These economic activities had disastrous environmental _____.

- n.* the outcome of a particular action or event, especially relative to an individual

121. The country has _____ oil and natural gas resources.

- adj.* present in great quantity

ANSWERS: 114. pH, 115. doomsday, 116. ecology, 117. fundamental, 118. icons, 119. emergence, 120. consequences, 121. abundant

122. _____ elections were held in several European countries.

adj. belonging to or used by a group rather than individuals; for common use

123. The government _____ this law in 1925.

v. to make a law; to put something into practice

124. _____ thrive on the surface of the human skin.

n. a tiny living thing that can only be seen with a microscope and that may cause disease

125. The vessel ran aground on a _____.

n. a long chain or range of rocks or sand near the ocean's surface

126. The _____ disease can spread quickly and potentially cause a global pandemic.

adj. spreading very quickly, and often aggressively, and difficult to stop

127. He left his wife an _____ fortune.

adj. extremely large or great

128. Gandhi had an _____ zeal for nonviolence.

adj. perfect or complete or to the most considerable degree possible

129. The storm _____ significant damage on the town.

v. to cause harm, injury, or suffering to someone or something

130. I advised him to _____ to his new surroundings.

v. to make fit for or change to suit a new purpose or environment

ANSWERS: 122. Communal, 123. enacted, 124. Microbes, 125. reef, 126. invasive, 127. immense, 128. absolute, 129. inflicted, 130. adapt

131. The soldier who sacrificed his life for his country is considered a national _____.

- n.* a person who is admired or idealized for courage, outstanding achievements, or noble qualities; a character in literature or history who is central to the plot and who exhibits heroic qualities

132. Schools should _____ children's mutual interest spirit.

- v.* to take care of, feed, and protect someone or something while they are growing and developing

133. The _____ of the discussion was the current state of the economy.

- n.* a subject that is being discussed or written about

134. I am _____ opposed to his idea because of morality.

- adv.* without restriction or limitation; completely or utterly

135. The company is heavily _____ on its overseas operations for revenue.

- adj.* needing something or something to continue, to work correctly, or to succeed

136. The national election was held amid _____ security.

- adj.* fixed, fastened, or kept together firmly or closely

137. His professional experience includes all _____ of media production.

- n.* one part or feature of a situation, problem, subject, etc.

138. 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

139. _____ and weather have an impact on every part of our lifestyles.

- n.* the weather in a particular location averaged over some long period

ANSWERS: 131. hero, 132. nurture, 133. topic, 134. absolutely, 135. reliant, 136. tight, 137. aspects, 138. separate, 139. Climate

140. I love to cook _____ with lemon butter sauce for a delicious dinner.
- n.* a large, flat-bodied saltwater fish that is an important food source, particularly in North America and Europe
141. The roof finally _____ after three days and three nights of heavy snowfall.
- v.* to fall down or give way suddenly, often after breaking apart
142. After years of hard work, she finally achieved her _____ success.
- adj.* achieved with great effort, perseverance, or sacrifice; earned or gained only after overcoming significant obstacles or challenges
143. 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
144. The company's financial records _____ how successful it has been.
- v.* to provide pictures, photographs, diagrams, etc. in a book or something for explanation
145. In his speech, he _____ a famous philosopher to emphasize his point.
- v.* to repeat or reproduce the words or statement of someone else, often acknowledging the source; to give an estimated cost or price for goods or services
146. He was impressed by the range and _____ of the collection.
- n.* the quality or fact of many different types of things or people being included in something; a range of different things or people

ANSWERS: 140. halibut, 141. collapsed, 142. hard-won, 143. oceanography, 144. illustrate, 145. quoted, 146. diversity

147. In our country, water _____ usually decreases during the winter.

- n.* the amount used or eaten; the act of using up a resource such as energy, food, or materials

148. The _____ of the two groups is good for brainstorming.

- n.* the act of connecting with someone, mainly when working, playing, or spending time with them

149. He studied the _____ of radiation.

- n.* the science of matter and energy and their interactions

150. The _____ scarcity most severely impacted the manufacturing sector

- n.* a substance that is typically burned to generate heat or energy

151. Since independence, the area has been completely _____.

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

152. Human conservation efforts often fail unexpectedly because they disturb the balance of the _____.

- n.* all the plants and living creatures in an area and the way they affect each other and the environment

153. It is more _____ to wash your plastic bottle and reuse it.

- adj.* providing a satisfactory return on the money, time, or effort; not using more money, fuel, etc. than necessary

154. I like to _____ the newspaper headlines in the morning to catch up on the news.

- v.* to read something quickly to get a general idea of its contents; to remove any unwanted or unnecessary material from the surface of a liquid; to glide smoothly or briefly over a surface

ANSWERS: 147. consumption, 148. interaction, 149. physics, 150. fuel, 151. ignored, 152. ecosystem, 153. economical, 154. skim

155. The sudden drop in the stock market was an _____ that puzzled many investors.

- n.* something or someone that deviates from what is expected or normal, often in a way that is difficult to explain or understand

156. A smaller car will _____ less fuel.

- v.* to spend something, especially fuel, energy, or time, in a large amount

157. The family took a _____ to the Caribbean for their vacation.

- n.* a voyage on a large ship for pleasure; driving or traveling at a leisurely pace

158. The company operates on a three-_____ pricing structure.

- n.* one of a series of rows or levels arranged one above the other, typically used to describe the arrangement of objects or levels of importance

159. The artist's _____ showcased various works, from paintings to sculptures.

- n.* a collection of work, documents, or other materials that demonstrate a person's skills, qualifications, or achievements; a collection of investments held by a person or organization

160. Trees absorb _____ dioxide and give off oxygen.

- n.* a chemical element that can be found in pure form as diamond or graphite, and it is also an essential part of coal and oil and is found in all plants and animals

161. 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

162. The cherry blossoms in the park were in full _____.

- n.* a flower, especially one having showy or colorful parts; the best time of youth

ANSWERS: 155. anomaly, 156. consume, 157. cruise, 158. tier, 159. portfolio, 160. carbon, 161. spot, 162. bloom

163. Her resistance _____ under his persuasion.

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

164. The sponge _____ water well.

v. to take in a fluid or other substance gradually

165. My mother's illness had a _____ impact on us all.

adj. extremely great; sensed or experienced very strongly; displaying a high level of knowledge or comprehension

166. 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

167. Ghosts in folk _____ are almost always malicious.

n. a story made up in someone's imagination, especially one full of action and adventure

168. She studies the relationship between marine creatures' toxicity and the _____ they feed on.

n. tiny little plants that float on the surface of the water and on which sea creatures feed

169. She is a _____ person and has always bounced back from setbacks.

adj. able to withstand or recover quickly from difficult conditions

170. The _____ on my bike broke, leaving me stranded.

n. a series of connected links or objects; a system or group of interconnected elements; a restraint or shackle

ANSWERS: 163. melted, 164. absorbs, 165. profound, 166. assumes, 167. tales, 168. phytoplankton, 169. resilient, 170. chain

171. Mold exposure can release dangerous _____ into the air.

- n.* a poisonous substance produced by a living organism, such as a plant, animal, or microorganism; a chemical compound that can cause harm or illness to a living organism

172. The _____ climate made for hot and humid weather all year round.

- adj.* describing a region or climate that is between tropical and temperate and often characterized by warm temperatures and moderate rainfall

173. 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

174. The _____ of the lake caused an overgrowth of algae.

- n.* the process by which a body of water becomes enriched with excess nutrients (usually from agricultural runoff or sewage), resulting in an overgrowth of algae and other aquatic plants, which can eventually cause oxygen depletion and the death of other organisms in the water

ANSWERS: 171. toxins, 172. subtropic, 173. environment, 174. eutrophication