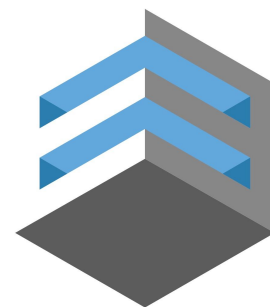


Englist.me



Vocabulary Builder Reference from...

David Christian: The history of our world in 18 minutes | TED Talk

https://www.ted.com/talks/david_christian_the_history_of_our_world_in_18_minutes

All Words

IMPORTANT

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Session 1: Word List

scramble

v. to move or climb quickly and awkwardly, often using your hands to help you

synonym: jumble, disarrange

(1) **scramble** my mind, (2) **scramble** for support

Local business owners **scrambled** to find skilled workers.

slightly

adv. in a small degree or extent; a little

synonym: barely, narrowly, scarcely

(1) increase **slightly**, (2) **slightly** alkaline soils

He moved his body **slightly** to the left.

uneasy

adj. causing or feeling anxiety or discomfort

synonym: anxious, troubled, nervous

(1) have **uneasy** eyes, (2) **uneasy** relationship

He was **uneasy** about the situation and didn't know what to do.

yolk

n. the yellow central part of an egg, surrounded by the egg white, which provides nutrients for an embryo during its development

synonym: egg, ovum, yellow

(1) **yolk** lipid, (2) egg **yolk**

The chef separated the egg white from the **yolk** to make a

perfect souffle.

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.

universe

n. everything that exists, especially all physical matter, including planets, stars, galaxies, and all other forms of matter and energy

synonym: cosmos, macrocosm

(1) theory of the **universe**, (2) expansion of the **universe**

The **universe** is about 13.8 billion years old.

mushy

adj. soft and pulpy in texture or consistency, often describing food; emotionally sentimental or overly romantic in a way that can be seen as insincere or sickly sweet

synonym: sappy, sentimental

(1) **mushy** romance, (2) **mushy** peas

The cake was **mushy** because I accidentally added too much milk to the batter.

tasty

adj. having a strong and pleasant flavor when it is eaten

synonym: flavorful, delectable, delicious

(1) **tasty** treats, (2) prepare **tasty** food

This meal wasn't as **tasty** as we had imagined.

sophisticated

adj. having a great deal of worldly experience and knowledge of people's behavior, culture, and fashion

synonym: refined, cultured, worldly

(1) **sophisticated** look, (2) a **sophisticated** lifestyle

Marketing strategies are growing more **sophisticated**.

complexity

n. the state or quality of being complicated or intricate and difficult to understand

synonym: intricacy, sophistication, elaboration

(1) cognitive **complexity**, (2) **complexity** theory

The project's **complexity** made it difficult for the team to complete it on time.

gut

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

synonym: belly, abdomen, courage

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

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

instinct

n. an inborn behavioral pattern that is often responsive to specific stimuli; an innate feeling that causes you to act or believe that something is true

synonym: intuition, aptitude, feeling

(1) **instinct** for self-preservation, (2) aggressive **instinct**

When faced with a dangerous situation, his initial **instinct** was to flee.

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.

physics

n. the science of matter and energy and their interactions

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

He studied the **physics** of radiation.

thermodynamics

n. the area of physics that deals with heat, work, and temperature and their relation to energy, entropy, and the physical properties of matter and radiation

(1) applied **thermodynamics**, (2) the laws of **thermodynamics**

The second law of **thermodynamics** denies the existence of

a perpetual motion engine.

entropy

n. a scientific concept that is most commonly associated with a state of disorder, randomness, or uncertainty

synonym: randomness

(1) **entropy** calculation, (2) **entropy** conservation

Since the second law of thermodynamics is applicable to the universe, the **entropy** of the universe continues to increase.

structure

n. the way of construction of something and the arrangement of its parts, or a complex thing constructed of many parts

synonym: construction, architecture, establishment

(1) the **structure** of a machine, (2) **structure** and function of the brain

The organizational **structure** of start-ups is often flat and straightforward.

estimate

v. to guess or calculate the cost, size, value, etc. of something

synonym: calculate, gauge, evaluate

(1) **estimate** a fair value, (2) **estimate** this chicken to weigh three pounds

We **estimated** the season's total trade deficit at \$50 billion.

distinct

adj. noticeable from something else of a similar type

synonym: different, special, characteristic

(1) **distinct** difference, (2) **distinct** from each other

It is essential to keep these two issues **distinct**.

commodity

n. a product or a raw material that can be traded, bought, or sold

synonym: merchandise, goods, entity

(1) **commodity** tax, (2) international **commodity**

The government announced a policy to control the rise in **commodity** prices.

individual

n. a single person or thing, as distinct from a group
synonym : person, being, self

(1) a private **individual**, (2) **individual** freedom

As an **individual**, he had the right to make his own decisions and live his life as he saw fit.

stupendous

adj. extremely impressive, astonishing, or remarkable; of a size or degree that is difficult to comprehend or imagine
synonym : colossal, enormous, gigantic

(1) **stupendous** achievement, (2) **stupendous** view

The fireworks display was **stupendous**, lighting up the entire sky with vibrant colors.

puzzle

n. a situation that is difficult to follow or solve; a game, problem, or toy that tests a person's ingenuity or knowledge; (verb) to cause someone to feel confused because of something difficult to understand
synonym : plight, maze, (verb) perplex

(1) crossword **puzzle**, (2) mathematical **puzzle**

This jigsaw **puzzle** is challenging because there are no pictures.

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.

convention

n. a large formal assembly of people who do a particular job or have a similar interest or of a political party; something regarded as a normative example
synonym : meeting, conference, congress

(1) **convention** center, (2) political **convention**

They met at biennial **conventions**.

difficulty

n. a condition or state that causes problems

synonym: hardship, complication, problem

(1) the degree of **difficulty**, (2) **difficulty** in breathing

He has **difficulty** exercising because of a back injury sustained in an accident.

colleague

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

synonym: coworker, associate, fellow

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

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

magical

adj. produced by or containing supernatural powers

synonym: enchanting, occult, supernatural

(1) **magical** place, (2) **magical** powers

When I was a child, my mother often cast **magical** spells to ease my pain whenever I was injured.

impressive

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

synonym: impactful, remarkable, exceptional

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

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

utterly

adv. completely or absolutely

synonym: absolutely, completely, perfectly

(1) **utterly** changed, (2) **utterly** ignorant

We are **utterly** opposed to any form of terrorism.

nowhere

adv. not in, at, or to any place; not anywhere

(1) **nowhere** else to go, (2) come out of **nowhere**

I've been thinking all day and getting **nowhere**.

refer

v. to direct someone's attention, thoughts, or questions to another source or person; to mention, cite, or allude to something as evidence or support

synonym:

cite, allude, mention

(1) **refer** to a book, (2) **refer** to a map

Please **refer** to the instruction manual for further assistance.

threshold

n. the floor or ground that forms the bottom of a doorway and offers support when passing through a doorway; the smallest detectable sensation

synonym: anteroom, brink, verge

(1) the **threshold** between rooms, (2) high pain **threshold**

She's on the **threshold** of adulthood.

fragile

adj. delicate or easily broken or damaged

synonym: delicate, brittle, breakable

(1) politically **fragile** nation, (2) **fragile** ecosystem

The vase was made of **fragile** ceramic and easily broke when it was dropped.

vulnerable

adj. capable of being hurt or influenced physically or mentally

synonym: susceptible, exposed, weak

(1) a **vulnerable** bridge, (2) **vulnerable** parts of the body

Infants and pregnant women are particularly **vulnerable**.

stringent

adj. strict, severe, or demanding; requiring close attention to rules or regulations; extreme or excessive in some way

synonym: strict, rigorous, demanding

(1) **stringent** measures, (2) **stringent** requirements

The school has a **stringent** attendance policy that allows for no more than three absences per semester.

creature

n. a living being, especially an animal

synonym: being, animal, organism

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

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

desperately

adv. in a way that shows a lack of hope and a willingness to do anything because of the problematic situation; with great urgency

synonym : urgently, perilously, seriously

(1) **desperately** anxious, (2) **desperately** ill patient

The baby clung **desperately** to her mother.

fragility

n. the quality of being easily broken, damaged, or destroyed; the state of being delicate or vulnerable

synonym : delicacy, weakness, frailty

(1) **fragility** of life, (2) emotional **fragility**

The **fragility** of the glass required careful handling during shipping.

sight

n. the ability to see; anything that is seen

synonym : vision, spectacle, view

(1) an unexpected **sight**, (2) dull **sight**

Many famous **sights** are within walking distance.

survey

n. an investigation of the opinions, behavior, etc. of a particular group of people, made by asking people questions

synonym : study, examination, poll

(1) a comprehensive **survey**, (2) recent **survey**

That **survey** shows that people are accepting the tax increase to some extent.

timeline

n. a series of events arranged in chronological order and displayed along a line, usually drawn left to right or top to bottom

synonym : agenda, timetable, chronology

(1) **timeline** of science history, (2) lay out a **timeline**

He imposed a **timeline** on the project.

cube

n. a three-dimensional shape with six square faces that are all equal in size; (of mathematics) the result of multiplying the number by itself three times

synonym : block, square, cell

(1) **cube** root, (2) ice **cube**

I cut the cheese into small **cubes** for the salad.

gazillion

adj. extremely large or many, used to express that something is abundant or exists in such large quantities that it's hyperbolically beyond count

synonym : countless, myriad, innumerable

(1) watch a **gazillion** movies, (2) a **gazillion** possibilities

I have a **gazillion** things to do before the end of the day.

suddenly

adv. quickly and unexpectedly

synonym : abruptly, unexpectedly, unawares

(1) **suddenly** attacked by an enemy, (2) die **suddenly**

Who answers **suddenly** knows little.

bang

v. to hit or cause to hit something in a way that makes a loud noise

synonym : crash, hit, smash

(1) **bang** his fist on a desk, (2) **bang** a phone down

My father tried to **bang** mathematics into my head since childhood.

atom

n. the smallest unit of ordinary matter that forms a chemical element, composed of a nucleus and one or more electrons bound to the nucleus

synonym : particle, element, fraction

(1) oxygen **atom**, (2) neutral hydrogen **atoms**

The outermost electron shell of an **atom** determines its chemical characteristics.

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.

bust

v. to break something; (noun) a woman's chest, or the measurement around a woman's chest; (noun) an occasion for something excessive, such as work, eating, drinking, etc.

synonym: ruin, fall apart, (noun) breast

(1) **bust** my leg, (2) the **bust** of the statue

I'm **bust** with preparation for tomorrow's meeting.

expand

v. to increase or to make something greater in size, number, or importance

synonym: extend, grow, boost

(1) **expand** a lineup, (2) **expand** agricultural output

They hope to **expand** their business worldwide.

incredible

adj. unbelievable; enormous

synonym: unbelievable, fantastical, inconceivable

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

Her response revealed **incredible** idiocy.

blur

n. a faint or indistinct image or sound; something that is not clear or distinct; (verb) to become unclear; to lose clear vision

synonym: smudge, smear, fuzz

(1) **blur** image, (2) motion **blur**

The camera's focus was off, and the image was a **blur** of colors and shapes.

electromagnetic

adj. of or relating to the magnetism produced by electric charge in motion

(1) **electromagnetic** radiation, (2) **electromagnetic** properties

His hypothesis concerns the role of an **electromagnetic** field in human health.

gravity

n. the force that attracts a body towards the center of the earth or towards any other physical body having mass; a manner that is solemn

synonym : heaviness, attraction, weight

(1) the attraction of **gravity**, (2) preserve my **gravity**

The astronaut felt weightless in space due to the absence of **gravity**.

congeal

v. to solidify or thicken, especially by cooling or freezing; to become firm or solid, often referring to a liquid or substance

synonym : solidify, coagulate, freeze

(1) **congeal** into a solid mass, (2) **congeal** liquid

The blood began to **congeal** as it dried in the wound.

quark

n. a type of elementary particle and a fundamental constituent of matter that make up the heavier elementary particles, such as protons, neutrons, etc.; fresh unripened cheese of a smooth texture made from pasteurized milk, a starter, and rennet

(1) **quark** physics, (2) the antiparticle of a **quark**

The Big Bang theory states that **quark-gluon** plasma filled the entire universe before matter as we know it was created.

proton

n. a very small particle with a positive charge equal to the negative charge of an electron that forms part of the nucleus of all atoms

(1) **proton** decay, (2) **proton** conductivity

The solar wind is composed almost entirely of electrons and **protons**.

lepton

n. a subatomic particle that is one of the basic building blocks of matter, having little or no mass and carrying an electrical charge

synonym : subatomic particle, quark

(1) **lepton** particle, (2) charged **lepton**

The discovery of the muon **lepton** helped to confirm the

existence of the weak nuclear force.

electron

n. a tiny particle with the negative electrical charge

synonym : negatron

(1) flow of **electrons**, (2) beam of **electrons**

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

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.

hydrogen

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

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

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

helium

n. a colorless, odorless, tasteless, non-toxic, inert, monatomic gas, the first in the noble gas series in the periodic table

synonym : He, light gas, noble gas

(1) **helium** atom, (2) **helium** gas

The **helium-filled** balloons floated into the sky.

pause

v. to take a short break from talking or doing something before continuing

synonym : halt, break, intermit

(1) **pause** a moment, (2) **pause** for a reaction

The man **paused** before opening the door.

origin

n. the first existence or beginning of something

synonym : root, source, ancestor

(1) **origin** of information, (2) racial **origin**

There are various hypotheses concerning the **origin** of life.

consist

v. to be composed or made up of

synonym : lie in, comprise, exist

(1) **consist** mainly of cells, (2) **consist** only in knowing facts

This examination **consists** of five problems to solve.

cosmic

adj. relating to the universe or cosmos; vast or limitless

synonym : astronomical, celestial, outer-space

(1) second **cosmic** velocity, (2) **cosmic** background radiation

Cosmic rays are high-energy particles that originate from outside the solar system.

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.

background

n. the details of a person's social heritage, such as family, vocational or educational experience; past information that is essential to understanding a situation or problem

synonym : ground, experience, backdrop

(1) a **background** color, (2) a criminal **background**

The company's hiring criteria emphasize personality, not a person's **background**.

degree

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

synonym : level, qualification, diploma

(1) bachelor's **degree**, (2) **degree** centigrade

She received her **degree** in psychology from the university.

dense

adj. containing a large number of people or something with little space between them

synonym : heavy, thick, idiotic

(1) nutrient- **dense** foods, (2) **dense** forests

The entire mountain is covered in **dense** rainforest.

compact

adj. closely and firmly united or packed together, using very little space; smaller than is usual

synonym : packed, tight, consolidated

(1) a **compact** camera, (2) extremely **compact** device

Two countries acted together as if by **compact**.

density

n. the quality of compactness of a substance

synonym : tightness, viscosity

(1) population **density**, (2) higher pixel **density**

Do you know the **density** of the population in Hong Kong?

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.

fuse

n. a small part in an electrical device or machinery that can interrupt the flow of electrical current when it is overloaded; (verb) to become plastic or fluid or liquefied from heat

synonym : (verb) melt, (verb) blend

(1) **fuse** blows, (2) **fuse** with one another

He has a short **fuse**.

release

v. to set free or allow to escape from confinement

synonym : free, let go, discharge

(1) **release** a prisoner, (2) **release** CO2 into the air

The animal rights group worked to **release** the dolphins back

into the wild.

exotic

adj. originating from or characteristic of a foreign country or culture; strikingly unusual, uncommon, or intriguing

synonym: foreign, alien, unfamiliar

(1) **exotic** species, (2) **exotic** vacation

I love trying **exotic** foods from different cultures.

combination

n. a collection of things that have been combined; an assemblage of separate parts or qualities

synonym: blend, hybrid, compounding

(1) genic **combinations**, (2) **combination** number

The **combination** to the safe was a secret.

periodic

adj. happening at regular intervals over a while

synonym: regular, frequent, recurring

(1) the **periodic** blooming of the cherry-blossom,

(2) **periodic** payments

Astronomers are examining whether the **periodic** signals emanating from this star are artificial.

forge

v. to fashion or shape metal by heating it and hammering it into shape; to create or develop something new or original; to form strong bonds or relationships with others

synonym: create, build, establish

(1) **forge** an alliance, (2) **forge** iron

She had to **forge** her father's signature on the permission slip because he was out of town.

supernova

n. a powerful and luminous explosion that occurs in some stars, resulting in an extremely bright, short-lived object that later fades into a supernova remnant

synonym: explosion, detonation, blast

(1) extragalactic **supernova**, (2) **supernova** remnant

The **supernova** explosion created a bright new star in the night sky.

chemical

adj. relating to or connected with chemistry;

synonym : chemic, synthetic

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

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

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.

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.

stir

v. to mix a liquid or substance by using a spoon or something similar; to cause to be agitated, excited, or roused

synonym : mix, swirl, provoke

(1) **stir** a sauce, (2) **stir** up controversy

Topics related to that war may **stir** up a political hornets' nest.

particle

n. a small piece of something; a word or piece of a term with grammatical function but little or no significance

synonym : atom, grain, bit

(1) charged **particle**, (2) **particle** energy

We can calculate the position of the **particles** statistically.

snowflake

n. a small, thin, delicate piece of snow; a person, especially a young person, who is perceived as overly sensitive, easily offended, or with an inflated sense of entitlement

synonym : flake, crystal, ice pellet

(1) delicate **snowflake**, (2) **snowflake** pattern

The Christmas tree was beautifully decorated with delicate

snowflake ornaments.

mote

n. a tiny particle, speck, or fragment, often referring to something floating or in the air, typically too small to be easily seen

synonym : speck, particle, atom

(1) **mote** particle, (2) **mote** of light

Tiny **motes** of dust floated in the sunbeam, creating a beautiful spectacle.

asteroid

n. a small rocky body orbiting the sun, typically in the region between Mars and Jupiter

synonym : minor planet, planetoid, rocky planetesimal

(1) **asteroid** mining, (2) **asteroid** explorer

Scientists are studying the composition and origins of the **asteroid** belt to understand the early solar system better.

eventually

adv. finally, particularly after a long time or a lot of struggle, complications, and so on

synonym : finally, someday, ultimately

(1) **eventually** become obsolete, (2) **eventually** succeed

The corporation **eventually** dominated the entire tobacco business.

rocky

adj. full of or abounding in rocks; of, relating to, or made of rock

synonym : stony, boulder-strewn, rough

(1) **rocky** terrain, (2) **rocky** relationship

The **rocky** road made it difficult to drive on.

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.

introduction

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

synonym: initiation, preamble, prologue

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

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

entity

n. something that exists independently and has its own identity

synonym: body, object, existent

(1) legal **entity**, (2) government **entity**

A company is a distinct legal **entity**.

creative

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

synonym: imaginative, innovative, inventive

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

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

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.

dominate

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

synonym: govern, rule, prevail

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

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

intergalactic

adj. existing or occurring between different galaxies (= an independent group of stars)

synonym : extragalactic, cosmic, interstellar

(1) **intergalactic** travel, (2) **intergalactic** matter

The **intergalactic** spaceship traveled to distant planets.

liquid

n. a substance, such as water or oil that flows freely and is neither a solid nor a gas

synonym : fluid

(1) colorless **liquid**, (2) hazardous **liquid**

The sponge takes up the **liquid** well.

hitch

v. to move something into a different position jerkily; to travel by getting free rides from motorists; to hook or entangle

synonym : fasten, jerk, tether

(1) **hitch** a ride, (2) **hitch** up my trousers

The mechanics **hitched** the trailer to the broken-down car.

solid

adj. hard or firm; characterized by good substantial quality

synonym : stable, reliable, hard

(1) **solid** ally, (2) **solid** employment measures

The **solid-state** of water is called ice.

stick

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

synonym : pierce, adhere, stay

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

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

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.

cuddle

v. to hold close and lovingly in one's arms, often for comfort or affection; to snuggle or nestle against someone or something

synonym : embrace, snuggle, hug

(1) **cuddle** buddy, (2) **cuddle** up with a book

I love to **cuddle** with my dog on the couch after a long day.

molecule

n. a group of two or more atoms held together by attractive forces known as chemical bonds

synonym : particle, element, atom

(1) small **molecules**, (2) **molecule** behavior

The shape of the DNA **molecule** is a double helix.

distance

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

synonym : space, gap, span

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

The marathon runner covered a long **distance** in a short amount of time.

beneath

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

synonym : down, under, low

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

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

crack

v. to break or cause to break without dividing into separate parts; (noun) a line on the surface of something along which it has separated without breaking

synonym : snap, burst, break

(1) **crack** an eggshell, (2) a **crack** in a board

He that would eat the kernel must **crack** the nut.

crust

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

synonym :

layer, coating, shell

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

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

seep

v. to flow or leak slowly and gradually through small openings or spaces; to ooze or trickle out gradually

synonym: leak, ooze, trickle

(1) **seep** cool and moist air, (2) **seep** into paper

The rain began to **seep** through the roof, causing damage to the walls and floors.

oceanic

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

synonym: marine, pelagic, sea

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

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

vent

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

synonym: duct, outlet, venthole

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

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

fantastic

adj. extremely good; excellent

synonym: incredible, unbelievable, marvelous

(1) a **fantastic** dress, (2) absolutely **fantastic** event

The new amusement park ride was **fantastic**, with twists, turns, and drops that left riders screaming with excitement.

stabilize

v. to become or cause to become steady or unlikely to give way

synonym: brace, steady, secure

(1) **stabilize** prices, (2) **stabilize** blood sugar levels

The raising of interest rates **stabilizes** the inflation rate.

viable

adj. capable of being done as intended; able to succeed
synonym : feasible, possible, attainable

(1) achieve a **viable** relationship, (2) develop a **viable** therapy

Male gorillas with good drumming skills are more **viable**.

entirely

adv. completely

synonym : completely, fully, totally

(1) **entirely** satisfied with the meal, (2) he was **entirely** to blame

Later, his claim was found to be **entirely** false.

template

n. a pre-designed file or document used as a starting point for a particular application so that the format does not have to be created from scratch

synonym : pattern, model, blueprint

(1) **template** file, (2) **template** design

The **template** format provided a useful guide for creating the budget.

helix

n. a three-dimensional spiral shape or structure, particularly like that of a spring or a DNA molecule

synonym : coil, spiral, twist

(1) **helix** structure, (2) alpha **helix**

The DNA molecule is shaped like a double **helix**.

scatter

v. to cause to separate and go in different directions

synonym : disperse, spread, bestrew

(1) **scatter** seeds, (2) **scatter** around the internet

The hunter's approach **scattered** the geese.

imperfectly

adv. in a faulty or incomplete way

synonym : amiss, insufficiently, clumsily

(1) **imperfectly** developed, (2) **imperfectly** known disease

He created an **imperfectly** shaped torso.

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.

relative

adj. considered and evaluated through comparison with something else

synonym: comparative, proximate, congeneric

(1) a remote **relative**, (2) **relative** factors

Most countries prohibit sexual activity between certain close **relatives**.

fungus

n. a type of organism that includes yeasts, molds, and mushrooms, which are heterotrophic, meaning they do not produce their food and must consume organic matter to survive

synonym: mold, mildew, yeast

(1) **fungus** infection, (2) symbiotic **fungus**

Certain types of **fungus** can be toxic to humans, causing severe illness if ingested.

amphibious

adj. able to function both on land and in water; able to live in or move between two different environments or settings

(1) **amphibious** creature, (2) **amphibious** warfare

The **amphibious** vehicle seamlessly transitioned from land to water.

reptile

n. a cold-blooded animal that has dry, scaly skin and lays eggs on land, such as snakes, lizards, and turtles

synonym: lizard, serpent, snake

(1) **reptile** exhibition, (2) fossil **reptile**

Alligators are a type of **reptile** that live in swamps and rivers.

dinosaur

n. a large extinct reptile, often with an armored back, long neck, tail, and bony plates on the skin

synonym: reptile, beast, monster

(1) hulking **dinosaur**, (2) **dinosaur** fossil

The discovery of a new **dinosaur** species made headlines in the scientific community.

occasionally

adv. now and then; sometimes but not often

synonym: periodically, sometimes, from time to time

(1) **occasionally** dine with friends, (2) **occasionally** change the routine

She still **occasionally** writes a short romance novel.

disaster

n. an unexpected event or series of events that cause widespread damage, destruction, or loss of life

synonym: catastrophe, calamity, tragedy

(1) global **disaster**, (2) **disaster** recovery

The **disaster** response team worked around the clock to aid those affected by the earthquake.

peninsula

n. a long piece of land that is almost surrounded by water but is linked to a larger part of the land

synonym: cape, foreland

(1) the tip of the **peninsula**, (2) the Arab **peninsula**

That **peninsula** was an essential base for the country's defense.

equivalent

n. having the same value, quality, meaning, purpose, etc.

synonym: equal, counterpart, match

(1) **equivalent** amounts, (2) **equivalent** in meaning

The European Central Bank is Europe's **equivalent** of the Federal Reserve.

nuclear

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

synonym: atomic

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

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

wipe

v. to clean or dry something by rubbing with a piece of cloth or paper or one's hand and removing dirt, food, or liquid

synonym: clean, brush, swab

(1) **Wipe** off dirt, (2) **wipe** with water

Please **wipe** your sweat with this towel.

ancestor

n. a person from whom one is descended; a forefather

synonym: forebear, forefather, progenitor

(1) **ancestor** language, (2) earliest human **ancestor**

My remote **ancestor** immigrated to the United States from Ireland in the 1800s.

flourish

v. to grow or develop vigorously or successfully

synonym: boom, advance, succeed

(1) **flourish** economically, (2) **flourish** worldwide

The Ottoman Empire **flourished** for over five centuries.

niche

n. a specialized role or position that a species occupies within an ecosystem; a job or position particularly well suited to the person who occupies it

synonym: role, position, habitat

(1) **niche** market, (2) every **niche** of society

The species occupies a unique **niche** in the ecosystem as a top predator.

evolutionary

adj. relating to or denoting how living things develop or change from earlier forms

synonym: developmental, mutative, transformative

(1) ecology and **evolutionary** biology, (2) the **evolutionary** process

Evolutionary algorithms can find ways to optimize that

humans do not anticipate.

pulse

n. the regular heartbeat as it sends blood around the body, especially when it is felt at the wrist or side of the neck; a solid regular vibration of sound, electric current, light, or other waves

synonym : beat, vibration, throb

(1) a weak **pulse**, (2) **pulse** waves

The cardiac monitor displays the intensity of your **pulse**.

humming

adj. producing a continuous, low, vibrating sound like that of the bee

synonym : buzzing, droning, vibrating

(1) **humming** sound, (2) **humming** bird

The **humming** of the bees filled the air as she walked through the garden.

random

adj. made, done, or happening without method, conscious decision, or any regular pattern

synonym : incidental, arbitrary, unanticipated

(1) a **random** choice, (2) bombs fell at **random**

To find drunk drivers, police conduct **random** tests.

brain

n. the organ inside the head that is responsible for one's movement, thought, memory, and feeling

synonym : intellect, mind, encephalon

(1) basic **brain** function, (2) permanent **brain** damage

X-rays revealed a small tumor in his **brain**.

bless

v. to make or pronounce holy; to hallow; to consecrate; to sanctify

synonym : sanctify, consecrate, hallow

(1) **bless** him in my heart, (2) **bless** you

The priest **blessed** the couple as they knelt before him.

communicate

v. to share or exchange information with others by speaking, writing, moving your body, or using other

signals

synonym : convey, share, transmit

- (1) **communicate** his anxieties to the psychiatrist,
- (2) **communicate** well with my advisor

Dolphins use sound to **communicate** with each other.

precise

adj. sharply exact or accurate or delimited

synonym : accurate, exact, distinct

- (1) **precise** analyses, (2) estimate **precise** costs

The content is **precise** and informative for me.

precision

n. the quality or condition of being exact and accurate

synonym : accuracy, exactness, rigor

- (1) a **precision** instrument, (2) speak with **precision**

This operation requires both patience and **precision**.

outlast

v. to endure or last longer than something else; to overcome challenges or obstacles and remain in existence

synonym : endure, survive, persevere

- (1) **outlast** competitors, (2) **outlast** the storm

Some species of turtles can **outlast** human beings by centuries.

evolve

v. to develop gradually, or to cause the development of something or someone gradually

synonym : develop, mature, grow

- (1) **evolve**, (2) **evolve** over the past decade

Eyeless fish **evolved** in dark caves.

savannah

n. a mixed forest and grassland ecosystem where the trees are far enough apart that the canopy doesn't close

synonym : grassland, plain

- (1) **savannah** region, (2) tropical **savannah**

The birds live in tropical forests, **savannahs**, and arid semi-desert environments.

migrate

v. to move from one country or region to another and settle there; to move from one place to another periodically or seasonally

synonym : relocate, emigrate, roam

(1) **migrate** across borders, (2) **migrate** a service

Many Germans **migrated** to South America in the mid-19th century.

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**.

desert

n. arid land with little or no vegetation often covered with sand or rocks

(1) **desert** basin, (2) oasis in the **desert**

This region is predominantly **desert**.

jungle

n. an area of tropical forest where in which trees and plants grow very thickly

synonym : wilderness, forest

(1) middle of the **jungle**, (2) **jungle** exploration

This village is still in a dense **jungle**.

tundra

n. a vast, treeless, and typically frozen plain in the Arctic regions, where the subsoil is permanently frozen

synonym : arctic plain, permafrost, polar desert

(1) the Siberian **tundra**, (2) **tundra** biome

The Arctic **tundra** is a vast and desolate landscape with few signs of life.

migration

n. the movement of animals to a new location, frequently as the seasons change

synonym : exodus

(1) the **migration** of birds, (2) overseas **migration**

There was a **migration** of impoverished farmers into the towns.

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.

exploit

v. to make full use of and gain an advantage from resources, opportunities, etc.

synonym: use, abuse, control

(1) **exploit** a security hole, (2) **exploit** a valuable opportunity

We **exploit** our mining resources to strengthen our national power.

surround

v. to be all around something or somebody

synonym: encircle, encompass, envelop

(1) **surround** a town, (2) a stone wall **surrounds** the palace
On three sides, mountains **surround** the settlement.

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.

bonanza

n. a situation or event in which there is a sudden and profitable discovery or success, usually related to a significant amount of wealth, resources, or opportunities; a large deposit of valuable ore or precious minerals

synonym: windfall, godsend, treasure trove

(1) shopping **bonanza**, (2) financial **bonanza**

The recent oil discovery in the region has led to an economic **bonanza** for the local community.

multiply

v. to add a number to itself a specified number of times; to increase or cause to increase very much in number or quantity

synonym: boost, amplify, reproduce

(1) **multiply** 5 and 6, (2) **multiply** about hundredfold

Multiply a number by itself twice.

interconnect

v. to connect similar things

synonym: interlink, connect, annex

(1) directly **interconnect** with those systems, (2) human activities **interconnect** with the environment

Our system can now **interconnect** with other databases.

telegraph

n. a method of long-distance transmission of messages by electrical or radio signals

(1) answer by **telegraph**, (2) **telegraph** wires

The **telegraph** service was interrupted for a while.

warp

v. to twist or bend out of shape, especially as a result of being heated; to distort or twist the meaning or sense of something

synonym: twist, distort, deform

(1) **warp** under pressure, (2) become **warped**

The ship's hull was **warped** from years of use in rough seas.

stumble

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

synonym: bumble, struggle, misstep

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

She **stumbled** over the tree root.

fossil

n. any preserved remains, impression, or trace of any once-living thing that has become hard and turned into rock

synonym : relic, remnant, antediluvian

(1) burning of **fossil** fuels, (2) a **fossil** leaf

It was the **fossil** of a dinosaur tooth.

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

astonishing

adj. surprising or shocking; difficult to believe

synonym : surprising, shocking, astounding

(1) **astonishing** achievement, (2) make **astonishing** gains

The news of her sudden death was **astonishing** to everyone who knew her.

warn

v. to make someone aware of potential danger or difficulty, particularly one that may occur in the future

synonym : alert, caution, admonish

(1) **warn** a reckless driver, (2) **warned** me of the plan

I attempted to **warn** him, but he ignored me.

collective

adj. done or shared by every member of a group of people

synonym : composite, concerted, cumulative

(1) right to **collective** bargaining, (2) **collective** ownership

Product development is a **collective** effort.

vivid

adj. producing very clear, powerful, and detailed images in the mind

synonym : intense, powerful, dazzling

(1) **vivid** colors, (2) still **vivid** in my memory

She made a **vivid** impression.

missile

n. a weapon, such as a rocket or guided projectile, that is self-propelled and directed by remote control or by an

internal guidance mechanism

synonym : projectile, rocket, bomb

(1) **missile** defense, (2) cruise **missile** attack

The military launched a ballistic **missile** at the enemy's stronghold.

crisis

n. a time of great disagreement, confusion, or danger when problems must be resolved or critical decisions must be taken

synonym : concern, problem, emergency

(1) financial **crisis**, (2) **crisis** management

The Chinese word for **crisis** comprises two characters, one for danger and the other for opportunity.

biosphere

n. the part of the Earth and its atmosphere in which living organisms exist, including plants, animals, and microorganisms

synonym : ecosphere, ecospace, ecosystem

(1) terrestrial **biosphere**, (2) artificial **biosphere**

The balance of the **biosphere** is crucial for the survival of species.

verge

n. the point at which something is about to happen or where something begins; the edge or margin of something, particularly a physical boundary or border

synonym : brink, edge, margin

(1) **verge** of bankruptcy, (2) on the **verge** of tears

He stood on the **verge** of a major discovery.

destruction

n. the act of causing so much damage to something

synonym : devastation, annihilation, ruin

(1) path of **destruction**, (2) cyclonic **destruction**

The extinction of several subspecies has been linked to climate change and habitat **destruction**.

- trap**
- n.* a piece of equipment or hole for catching animals or people; (verb) to catch animals or people and prevent them from escaping
- synonym* : catch, snare, pinfall
- (1) set a **trap**, (2) **trap** an animal
- The enemy fell right into the **trap**.
- undermine**
- v.* to make someone or something less powerful, less effective, weaker gradually; to make someone's fame, confidence, or authority less effective or weaker gradually
- synonym* : damage, subvert, weaken
- (1) **undermine** a good relationship, (2) **undermine** their adversary's reputation
- They tried to **undermine** her position by slandering her.
- grandchild**
- n.* a child of someone's son or daughter
- synonym* : offspring, descendant, progeny
- (1) **grandchild-grandparent** relationship, (2) **grandchild** development
- The grandparents take care of their **grandchild** while the parents are at work.
- 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.
- syllabus**
- n.* an outline or summary of the topics, themes, and assignments to be covered in a particular course or educational program; a list or summary of key themes or components of a particular document, work, or project
- synonym* : outline, curriculum, program
- (1) course **syllabus**, (2) **syllabus** content
- The professor handed out the **syllabus** on the first day of class.

vital

adj. necessary for the success or continued existence of something

synonym: critical, crucial, invigorating

(1) play a **vital** role, (2) **vital** for a healthy society

Perseverance and optimism are **vital** to success.

intellect

n. the ability to think logically and comprehend information, especially at an advanced level

synonym: mind, brightness, cleverness

(1) enrich my **intellect**, (2) human **intellect**

Your **intellect** is capable of distinguishing among similar objects.

Session 2: Spelling

1. a remote re____ve
adj. considered and evaluated through comparison with something else
2. w__p under pressure
v. to twist or bend out of shape, especially as a result of being heated; to distort or twist the meaning or sense of something
3. com_____on number
n. a collection of things that have been combined; an assemblage of separate parts or qualities
4. path of des_____on
n. the act of causing so much damage to something
5. a ch____al compound
adj. relating to or connected with chemistry;
6. volcanic v__t
n. a small opening to escape or release gas, air, liquid, etc.; activity or process that frees or expresses strong creative energy or emotion
7. high pain th_____ld
n. the floor or ground that forms the bottom of a doorway and offers support when passing through a doorway; the smallest detectable sensation
8. equ_____nt amounts
n. having the same value, quality, meaning, purpose, etc.
9. answer by te_____ph
n. a method of long-distance transmission of messages by electrical or radio signals
10. de___e centigrade
n. a unit of measurement for angles, temperature, or level of proficiency or achievement; a rank or level of academic or professional attainment

ANSWERS: 1. relative, 2. warp, 3. combination, 4. destruction, 5. chemical, 6. vent, 7. threshold, 8. equivalent, 9. telegraph, 10. degree

11. en____y conservation *n.* a scientific concept that is most commonly associated with a state of disorder, randomness, or uncertainty
12. chaotic env_____nt *n.* the natural world such as air, water, and land in which humans, animals, and plants live
13. des_____ly anxious *adv.* in a way that shows a lack of hope and a willingness to do anything because of the problematic situation; with great urgency
14. egg y__k *n.* the yellow central part of an egg, surrounded by the egg white, which provides nutrients for an embryo during its development
15. imp_____ly known disease *adv.* in a faulty or incomplete way
16. course sy____us *n.* an outline or summary of the topics, themes, and assignments to be covered in a particular course or educational program; a list or summary of key themes or components of a particular document, work, or project
17. symbiotic fu____s *n.* a type of organism that includes yeasts, molds, and mushrooms, which are heterotrophic, meaning they do not produce their food and must consume organic matter to survive
18. ut____y ignorant *adv.* completely or absolutely
19. hu____g sound *adj.* producing a continuous, low, vibrating sound like that of the bee

ANSWERS: 11. entropy, 12. environment, 13. desperately, 14. yolk, 15. imperfectly, 16. syllabus, 17. fungus, 18. utterly, 19. humming

20. imp_____ly developed *adv.* in a faulty or incomplete way
21. pa__e a moment *v.* to take a short break from talking or doing something before continuing
22. save the pl___t *n.* any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star
23. ut_____y changed *adv.* completely or absolutely
24. bl__s you *v.* to make or pronounce holy; to hallow; to consecrate; to sanctify
25. motion b__r *n.* a faint or indistinct image or sound; something that is not clear or distinct; (verb) to become unclear; to lose clear vision
26. dull si__t *n.* the ability to see; anything that is seen
27. be_____h contempt *adv.* in or to a lower place than someone or something
28. shopping bo_____a *n.* a situation or event in which there is a sudden and profitable discovery or success, usually related to a significant amount of wealth, resources, or opportunities; a large deposit of valuable ore or precious minerals
29. legal en___y *n.* something that exists independently and has its own identity
30. as_____id mining *n.* a small rocky body orbiting the sun, typically in the region between Mars and Jupiter

ANSWERS: 20. imperfectly, 21. pause, 22. planet, 23. utterly, 24. bless, 25. blur, 26. sight, 27. beneath, 28. bonanza, 29. entity, 30. asteroid

31. or___n of information *n.* the first existence or beginning of something
32. eve_____ly succeed *adv.* finally, particularly after a long time or a lot of struggle, complications, and so on
33. human in_____ct *n.* the ability to think logically and comprehend information, especially at an advanced level
34. financial bo_____a *n.* a situation or event in which there is a sudden and profitable discovery or success, usually related to a significant amount of wealth, resources, or opportunities; a large deposit of valuable ore or precious minerals
35. re_____e exhibition *n.* a cold-blooded animal that has dry, scaly skin and lays eggs on land, such as snakes, lizards, and turtles
36. in_____ct for self-preservation *n.* an inborn behavioral pattern that is often responsive to specific stimuli; an innate feeling that causes you to act or believe that something is true
37. the tip of the pe_____la *n.* a long piece of land that is almost surrounded by water but is linked to a larger part of the land
38. acc_____te cash value *v.* to collect or acquire a large number of things over a long period of time
39. come out of no_____e *adv.* not in, at, or to any place; not anywhere
40. st_____re and function of the brain *n.* the way of construction of something and the arrangement of its parts, or a complex thing constructed of many parts

ANSWERS: 31. origin, 32. eventually, 33. intellect, 34. bonanza, 35. reptile, 36. instinct, 37. peninsula, 38. accumulate, 39. nowhere, 40. structure

41. w__e with water *v.* to clean or dry something by rubbing with a piece of cloth or paper or one's hand and removing dirt, food, or liquid
42. dif_____ty in breathing *n.* a condition or state that causes problems
43. basic br__n function *n.* the organ inside the head that is responsible for one's movement, thought, memory, and feeling
44. cr___s management *n.* a time of great disagreement, confusion, or danger when problems must be resolved or critical decisions must be taken
45. develop a vi___e therapy *adj.* capable of being done as intended; able to succeed
46. hazardous li___d *n.* a substance, such as water or oil that flows freely and is neither a solid nor a gas
47. effects of cl_____e change *n.* the weather in a particular location averaged over some long period
48. an imp_____ve array of facts *adj.* arousing admiration due to size, quality, or skill
49. mu_____ly about hundredfold *v.* to add a number to itself a specified number of times; to increase or cause to increase very much in number or quantity
50. sop_____ted look *adj.* having a great deal of worldly experience and knowledge of people's behavior, culture, and fashion
51. com_____ty theory *n.* the state or quality of being complicated or intricate and difficult to understand

ANSWERS: 41. wipe, 42. difficulty, 43. brain, 44. crisis, 45. viable, 46. liquid, 47. climate, 48. impressive, 49. multiply, 50. sophisticated, 51. complexity

52. di_____ct difference *adj.* noticeable from something else of a similar type
53. at inc_____le speed *adj.* unbelievable; enormous
54. cr__k an eggshell *v.* to break or cause to break without dividing into separate parts; (noun) a line on the surface of something along which it has separated without breaking
55. toxic ch_____als *adj.* relating to or connected with chemistry;
56. sc_____le for support *v.* to move or climb quickly and awkwardly, often using your hands to help you
57. en_____ly satisfied with the meal *adv.* completely
58. higher pixel de_____y *n.* the quality of compactness of a substance
59. burning of fo____l fuels *n.* any preserved remains, impression, or trace of any once-living thing that has become hard and turned into rock
60. b__t my leg *v.* to break something; (noun) a woman's chest, or the measurement around a woman's chest; (noun) an occasion for something excessive, such as work, eating, drinking, etc.
61. se_____te cream from milk *v.* to force, take, or pull apart; mark as different
62. fr_____ty of life *n.* the quality of being easily broken, damaged, or destroyed; the state of being delicate or vulnerable
63. beam of el_____ons *n.* a tiny particle with the negative electrical charge

ANSWERS: 52. distinct, 53. incredible, 54. crack, 55. chemical, 56. scramble, 57. entirely, 58. density, 59. fossil, 60. bust, 61. separate, 62. fragility, 63. electron

64. st__k a key in a lock
v. to put something, usually a sharp object, into something; to restrict yourself to doing or using one certain thing and not change; (noun) a thin piece of wood or other material
65. a private ind_____al
n. a single person or thing, as distinct from a group
66. v__t tube
n. a small opening to escape or release gas, air, liquid, etc.; activity or process that frees or expresses strong creative energy or emotion
67. right to col_____ve bargaining
adj. done or shared by every member of a group of people
68. des_____ly ill patient
adv. in a way that shows a lack of hope and a willingness to do anything because of the problematic situation; with great urgency
69. su_____va remnant
n. a powerful and luminous explosion that occurs in some stars, resulting in an extremely bright, short-lived object that later fades into a supernova remnant
70. heavy hy_____en
n. the chemical element that is the lightest gas is colorless, odorless, tasteless, and combines with oxygen to form water
71. an unexpected si__t
n. the ability to see; anything that is seen
72. government en___y
n. something that exists independently and has its own identity
73. terrestrial bi_____re
n. the part of the Earth and its atmosphere in which living organisms exist, including plants, animals, and microorganisms

ANSWERS: 64. stick, 65. individual, 66. vent, 67. collective, 68. desperately, 69. supernova, 70. hydrogen, 71. sight, 72. entity, 73. biosphere

74. do____te over the weak *v.* to have or control a lot of power and influence over somebody or something
75. f__e with one another *n.* a small part in an electrical device or machinery that can interrupt the flow of electrical current when it is overloaded; (verb) to become plastic or fluid or liquefied from heat
76. an op_____ne remark *adj.* suitable or happening at a time that is suitable or convenient for a particular purpose
77. ex____c vacation *adj.* originating from or characteristic of a foreign country or culture; strikingly unusual, uncommon, or intriguing
78. su_____ly attacked by an enemy *adv.* quickly and unexpectedly
79. set a t__p *n.* a piece of equipment or hole for catching animals or people; (verb) to catch animals or people and prevent them from escaping
80. a weak pu__e *n.* the regular heartbeat as it sends blood around the body, especially when it is felt at the wrist or side of the neck; a solid regular vibration of sound, electric current, light, or other waves
81. nuclear ph_____s *n.* the science of matter and energy and their interactions
82. racial or____n *n.* the first existence or beginning of something
83. a meteorological sa_____te *n.* an electronic device that is sent up into space and moves around the Earth or another planet, used for gathering information or communicating by radio, television, etc.

ANSWERS: 74. dominate, 75. fuse, 76. opportune, 77. exotic, 78. suddenly, 79. trap, 80. pulse, 81. physics, 82. origin, 83. satellite

84. co____t mainly of cells *v.* to be composed or made up of
85. a co____t camera *adj.* closely and firmly united or packed together, using very little space; smaller than is usual
86. artificial bi____re *n.* the part of the Earth and its atmosphere in which living organisms exist, including plants, animals, and microorganisms
87. as____id explorer *n.* a small rocky body orbiting the sun, typically in the region between Mars and Jupiter
88. enrich my in____ct *n.* the ability to think logically and comprehend information, especially at an advanced level
89. ex____d a lineup *v.* to increase or to make something greater in size, number, or importance
90. pa____le energy *n.* a small piece of something; a word or piece of a term with grammatical function but little or no significance
91. cr__t formation *n.* a hard outer layer that forms on the surface of a liquid as it cools or on a solid as a result of exposure to air or moisture
92. fire st__k *v.* to put something, usually a sharp object, into something; to restrict yourself to doing or using one certain thing and not change; (noun) a thin piece of wood or other material
93. expansion of the un____se *n.* everything that exists, especially all physical matter, including planets, stars, galaxies, and all other forms of matter and energy

ANSWERS: 84. consist, 85. compact, 86. biosphere, 87. asteroid, 88. intellect, 89. expand, 90. particle, 91. crust, 92. stick, 93. universe

94. he___m gas *n.* a colorless, odorless, tasteless, non-toxic, inert, monatomic gas, the first in the noble gas series in the periodic table
95. a cr__k in a board *v.* to break or cause to break without dividing into separate parts; (noun) a line on the surface of something along which it has separated without breaking
96. former co_____ue *n.* one of a group of a coworker, especially in a profession or a business
97. get inc_____ly insecure *adv.* in a way that is very difficult to believe; exceedingly or extremely
98. the pe____ic blooming of the cherry-blossom *adj.* happening at regular intervals over a while
99. ex___d agricultural output *v.* to increase or to make something greater in size, number, or importance
100. population de_____y *n.* the quality of compactness of a substance
101. nu_____r fusion *adj.* of or relating to or constituting the nucleus of an atom; deriving destructive energy from the release of atomic energy
102. fl_____sh economically *v.* to grow or develop vigorously or successfully
103. te_____te file *n.* a pre-designed file or document used as a starting point for a particular application so that the format does not have to be created from scratch
104. small mo_____les *n.* a group of two or more atoms held together by attractive forces known as chemical bonds

ANSWERS: 94. helium, 95. crack, 96. colleague, 97. incredibly, 98. periodic, 99. expand, 100. density, 101. nuclear, 102. flourish, 103. template, 104. molecule

105. charged le___n *n.* a subatomic particle that is one of the basic building blocks of matter, having little or no mass and carrying an electrical charge
106. ma_____l place *adj.* produced by or containing supernatural powers
107. a stone wall su_____nds the palace *v.* to be all around something or somebody
108. cyclonic des_____on *n.* the act of causing so much damage to something
109. int_____tic travel *adj.* existing or occurring between different galaxies (= an independent group of stars)
110. es_____te this chicken to weigh three pounds *v.* to guess or calculate the cost, size, value, etc. of something
111. ev___e *v.* to develop gradually, or to cause the development of something or someone gradually
112. extremely co_____t device *adj.* closely and firmly united or packed together, using very little space; smaller than is usual
113. col_____ve ownership *adj.* done or shared by every member of a group of people
114. he was en_____ly to blame *adv.* completely
115. mu_____ly 5 and 6 *v.* to add a number to itself a specified number of times; to increase or cause to increase very much in number or quantity

ANSWERS: 105. lepton, 106. magical, 107. surround, 108. destruction, 109. intergalactic, 110. estimate, 111. evolve, 112. compact, 113. collective, 114. entirely, 115. multiply

116. financial cr___s *n.* a time of great disagreement, confusion, or danger when problems must be resolved or critical decisions must be taken
117. estimate pr____e costs *adj.* sharply exact or accurate or delimited
118. hi__h up my trousers *v.* to move something into a different position jerkily; to travel by getting free rides from motorists; to hook or entangle
119. ast_____ng achievement *adj.* surprising or shocking; difficult to believe
120. ex___c species *adj.* originating from or characteristic of a foreign country or culture; strikingly unusual, uncommon, or intriguing
121. tropical sa_____ah *n.* a mixed forest and grassland ecosystem where the trees are far enough apart that the canopy doesn't close
122. sc_____r around the internet *v.* to cause to separate and go in different directions
123. aggressive in_____ct *n.* an inborn behavioral pattern that is often responsive to specific stimuli; an innate feeling that causes you to act or believe that something is true
124. a pr_____on instrument *n.* the quality or condition of being exact and accurate
125. ma_____l powers *adj.* produced by or containing supernatural powers
126. he__x structure *n.* a three-dimensional spiral shape or structure, particularly like that of a spring or a DNA molecule

ANSWERS: 116. crisis, 117. precise, 118. hitch, 119. astonishing, 120. exotic, 121. savannah, 122. scatter, 123. instinct, 124. precision, 125. magical, 126. helix

127. bombs fell at ra___m *adj.* made, done, or happening without method, conscious decision, or any regular pattern
128. fun_____al education *adj.* forming an essential base or core from which everything else develops or is affected
129. w__n a reckless driver *v.* to make someone aware of potential danger or difficulty, particularly one that may occur in the future
130. the di_____ty policy of the university *n.* the quality or fact of many different types of things or people being included in something; a range of different things or people
131. prepare ta__y food *adj.* having a strong and pleasant flavor when it is eaten
132. the b__t of the statue *v.* to break something; (noun) a woman's chest, or the measurement around a woman's chest; (noun) an occasion for something excessive, such as work, eating, drinking, etc.
133. human activities int_____ect with the environment *v.* to connect similar things
134. vi__d colors *adj.* producing very clear, powerful, and detailed images in the mind
135. so__d employment measures *adj.* hard or firm; characterized by good substantial quality
136. do_____te possession *v.* to have or control a lot of power and influence over somebody or something
137. die su_____ly *adv.* quickly and unexpectedly

ANSWERS: 127. random, 128. fundamental, 129. warn, 130. diversity, 131. tasty, 132. bust, 133. interconnect, 134. vivid, 135. solid, 136. dominate, 137. suddenly

138. di____er recovery *n.* an unexpected event or series of events that cause widespread damage, destruction, or loss of life
139. ele_____tic radiation *adj.* of or relating to the magnetism produced by electric charge in motion
140. di____ur fossil *n.* a large extinct reptile, often with an armored back, long neck, tail, and bony plates on the skin
141. pe____ic payments *adj.* happening at regular intervals over a while
142. absolutely fa_____ic event *adj.* extremely good; excellent
143. lingual di_____ty *n.* the quality or fact of many different types of things or people being included in something; a range of different things or people
144. fo__e iron *v.* to fashion or shape metal by heating it and hammering it into shape; to create or develop something new or original; to form strong bonds or relationships with others
145. le___n particle *n.* a subatomic particle that is one of the basic building blocks of matter, having little or no mass and carrying an electrical charge
146. pl___t like the Earth *n.* any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star
147. the mi_____on of birds *n.* the movement of animals to a new location, frequently as the seasons change

ANSWERS: 138. disaster, 139. electromagnetic, 140. dinosaur, 141. periodic, 142. fantastic, 143. diversity, 144. forge, 145. lepton, 146. planet, 147. migration

148. imp_____ve performances *adj.* arousing admiration due to size, quality, or skill
149. the attraction of gr_____y *n.* the force that attracts a body towards the center of the earth or towards any other physical body having mass; a manner that is solemn
150. colorless li____d *n.* a substance, such as water or oil that flows freely and is neither a solid nor a gas
151. pr____n conductivity *n.* a very small particle with a positive charge equal to the negative charge of an electron that forms part of the nucleus of all atoms
152. fun_____al rights *adj.* forming an essential base or core from which everything else develops or is affected
153. increase sl_____ly *adv.* in a small degree or extent; a little
154. co_____l liquid *v.* to solidify or thicken, especially by cooling or freezing; to become firm or solid, often referring to a liquid or substance
155. st_____ze blood sugar levels *v.* to become or cause to become steady or unlikely to give way
156. the ch_____ry of soil *n.* the branch of the natural sciences dealing with the composition of substances and their properties and reactions
157. co_____ty tax *n.* a product or a raw material that can be traded, bought, or sold

ANSWERS: 148. impressive, 149. gravity, 150. liquid, 151. proton, 152. fundamental, 153. slightly, 154. congeal, 155. stabilize, 156. chemistry, 157. commodity

158. hu____g bird *adj.* producing a continuous, low, vibrating sound like that of the bee
159. tu___a biome *n.* a vast, treeless, and typically frozen plain in the Arctic regions, where the subsoil is permanently frozen
160. a comprehensive su___y *n.* an investigation of the opinions, behavior, etc. of a particular group of people, made by asking people questions
161. co_____e augmented reality *v.* to join or merge to form a single thing or group
162. W__e off dirt *v.* to clean or dry something by rubbing with a piece of cloth or paper or one's hand and removing dirt, food, or liquid
163. he___m atom *n.* a colorless, odorless, tasteless, non-toxic, inert, monatomic gas, the first in the noble gas series in the periodic table
164. fu___s infection *n.* a type of organism that includes yeasts, molds, and mushrooms, which are heterotrophic, meaning they do not produce their food and must consume organic matter to survive
165. have un___y eyes *adj.* causing or feeling anxiety or discomfort
166. y__k lipid *n.* the yellow central part of an egg, surrounded by the egg white, which provides nutrients for an embryo during its development
167. fossil re_____e *n.* a cold-blooded animal that has dry, scaly skin and lays eggs on land, such as snakes, lizards, and turtles

ANSWERS: 158. humming, 159. tundra, 160. survey, 161. combine, 162. wipe, 163. helium, 164. fungus, 165. uneasy, 166. yolk, 167. reptile

168. occ_____lly change the routine *adv.* now and then; sometimes but not often
169. a GPS sa_____te *n.* an electronic device that is sent up into space and moves around the Earth or another planet, used for gathering information or communicating by radio, television, etc.
170. co_____l into a solid mass *v.* to solidify or thicken, especially by cooling or freezing; to become firm or solid, often referring to a liquid or substance
171. global di_____er *n.* an unexpected event or series of events that cause widespread damage, destruction, or loss of life
172. st_____e financially *v.* to miss a step and fall or nearly fall; to walk unsteadily
173. sn_____ke pattern *n.* a small, thin, delicate piece of snow; a person, especially a young person, who is perceived as overly sensitive, easily offended, or with an inflated sense of entitlement
174. amp_____us warfare *adj.* able to function both on land and in water; able to live in or move between two different environments or settings
175. middle of the ju_____e *n.* an area of tropical forest where in which trees and plants grow very thickly
176. lay out a ti_____ne *n.* a series of events arranged in chronological order and displayed along a line, usually drawn left to right or top to bottom

ANSWERS: 168. occasionally, 169. satellite, 170. congeal, 171. disaster, 172. stumble, 173. snowflake, 174. amphibious, 175. jungle, 176. timeline

177. stu_____us achievement *adj.* extremely impressive, astonishing, or remarkable; of a size or degree that is difficult to comprehend or imagine
178. vul_____le parts of the body *adj.* capable of being hurt or influenced physically or mentally
179. te_____ph wires *n.* a method of long-distance transmission of messages by electrical or radio signals
180. a fo___l leaf *n.* any preserved remains, impression, or trace of any once-living thing that has become hard and turned into rock
181. sc_____le my mind *v.* to move or climb quickly and awkwardly, often using your hands to help you
182. de__e forests *adj.* containing a large number of people or something with little space between them
183. com_____te his anxieties to the psychiatrist *v.* to share or exchange information with others by speaking, writing, moving your body, or using other signals
184. the Arab pe_____la *n.* a long piece of land that is almost surrounded by water but is linked to a larger part of the land
185. self-int_____ion *n.* a preliminary explanation or remarks given before the start of a text, performance, or event; the act of bringing something new into existence or introducing something to a wider audience or new market

ANSWERS: 177. stupendous, 178. vulnerable, 179. telegraph, 180. fossil, 181. scramble, 182. dense, 183. communicate, 184. peninsula, 185. introduction

186. ve__e of bankruptcy *n.* the point at which something is about to happen or where something begins; the edge or margin of something, particularly a physical boundary or border
187. bachelor's de___e *n.* a unit of measurement for angles, temperature, or level of proficiency or achievement; a rank or level of academic or professional attainment
188. sw__l the wine *v.* to move in a circular or spiral pattern
189. ou_____t competitors *v.* to endure or last longer than something else; to overcome challenges or obstacles and remain in existence
190. laws of ph_____s *n.* the science of matter and energy and their interactions
191. an_____or language *n.* a person from whom one is descended; a forefather
192. overseas mi_____on *n.* the movement of animals to a new location, frequently as the seasons change
193. the ground be_____h my feet *adv.* in or to a lower place than someone or something
194. mu__y peas *adj.* soft and pulpy in texture or consistency, often describing food; emotionally sentimental or overly romantic in a way that can be seen as insincere or sickly sweet
195. flow of el_____ons *n.* a tiny particle with the negative electrical charge

ANSWERS: 186. verge, 187. degree, 188. swirl, 189. outlast, 190. physics, 191. ancestor, 192. migration, 193. beneath, 194. mushy, 195. electron

196. pa__e for a reaction *v.* to take a short break from talking or doing something before continuing
197. artificial cr____re *n.* a living being, especially an animal
198. vi__l for a healthy society *adj.* necessary for the success or continued existence of something
199. ele_____tic properties *adj.* of or relating to the magnetism produced by electric charge in motion
200. a ga_____on possibilities *adj.* extremely large or many, used to express that something is abundant or exists in such large quantities that it's hyperbolically beyond coun
201. a criminal bac_____nd *n.* the details of a person's social heritage, such as family, vocational or educational experience; past information that is essential to understanding a situation or problem
202. op_____ne occasion *adj.* suitable or happening at a time that is suitable or convenient for a particular purpose
203. the antiparticle of a qu__k *n.* a type of elementary particle and a fundamental constituent of matter that make up the heavier elementary particles, such as protons, neutrons, etc.; fresh unripened cheese of a smooth texture made from pasteurized milk, a starter, and rennet
204. smokeless f__l *n.* a substance that is typically burned to generate heat or energy
205. b__r image *n.* a faint or indistinct image or sound; something that is not clear or distinct; (verb) to become unclear; to lose clear vision

ANSWERS: 196. pause, 197. creature, 198. vital, 199. electromagnetic, 200. gazillion, 201. background, 202. opportune, 203. quark, 204. fuel, 205. blur

206. the th_____ld between rooms *n.* the floor or ground that forms the bottom of a doorway and offers support when passing through a doorway; the smallest detectable sensation
207. hulking di_____ur *n.* a large extinct reptile, often with an armored back, long neck, tail, and bony plates on the skin
208. di_____ct from each other *adj.* noticeable from something else of a similar type
209. delicate sn_____ke *n.* a small, thin, delicate piece of snow; a person, especially a young person, who is perceived as overly sensitive, easily offended, or with an inflated sense of entitlement
210. es_____te a fair value *v.* to guess or calculate the cost, size, value, etc. of something
211. earliest human an_____or *n.* a person from whom one is descended; a forefather
212. preserve my gr_____y *n.* the force that attracts a body towards the center of the earth or towards any other physical body having mass; a manner that is solemn
213. com_____te well with my advisor *v.* to share or exchange information with others by speaking, writing, moving your body, or using other signals
214. politically fr_____e nation *adj.* delicate or easily broken or damaged
215. ev___e over the past decade *v.* to develop gradually, or to cause the development of something or someone gradually

ANSWERS: 206. threshold, 207. dinosaur, 208. distinct, 209. snowflake, 210. estimate, 211. ancestor, 212. gravity, 213. communicate, 214. fragile, 215. evolve

216. a cold cl_____e *n.* the weather in a particular location averaged over some long period
217. extreme tem_____res *n.* the degree of hotness or coldness of a thing or place
218. recent su____y *n.* an investigation of the opinions, behavior, etc. of a particular group of people, made by asking people questions
219. hy_____en gas *n.* the chemical element that is the lightest gas is colorless, odorless, tasteless, and combines with oxygen to form water
220. oasis in the de____t *n.* arid land with little or no vegetation often covered with sand or rocks
221. w__ned me of the plan *v.* to make someone aware of potential danger or difficulty, particularly one that may occur in the future
222. re_____e CO2 into the air *v.* to set free or allow to escape from confinement
223. sl_____ly alkaline soils *adv.* in a small degree or extent; a little
224. theory of the un_____se *n.* everything that exists, especially all physical matter, including planets, stars, galaxies, and all other forms of matter and energy
225. hi__h a ride *v.* to move something into a different position jerkily; to travel by getting free rides from motorists; to hook or entangle
226. still vi__d in my memory *adj.* producing very clear, powerful, and detailed images in the mind

ANSWERS: 216. climate, 217. temperature, 218. survey, 219. hydrogen, 220. desert, 221. warn, 222. release, 223. slightly, 224. universe, 225. hitch, 226. vivid

227. social di____ce *n.* the amount of space between two points, measured in units such as miles, meters, or kilometers; the extent, scope, or range between two things, such as distance or emotional distance
228. amp_____us creature *adj.* able to function both on land and in water; able to live in or move between two different environments or settings
229. alpha he__x *n.* a three-dimensional spiral shape or structure, particularly like that of a spring or a DNA molecule
230. become w__ped *v.* to twist or bend out of shape, especially as a result of being heated; to distort or twist the meaning or sense of something
231. int_____ion education *n.* a preliminary explanation or remarks given before the start of a text, performance, or event; the act of bringing something new into existence or introducing something to a wider audience or new market
232. gra_____ld-grandparent relationship *n.* a child of someone's son or daughter
233. achieve a vi___e relationship *adj.* capable of being done as intended; able to succeed
234. nutrient-de__e foods *adj.* containing a large number of people or something with little space between them
235. st_____nt measures *adj.* strict, severe, or demanding; requiring close attention to rules or regulations; extreme or excessive in some way

ANSWERS: 227. distance, 228. amphibious, 229. helix, 230. warp, 231. introduction, 232. grandchild, 233. viable, 234. dense, 235. stringent

236. ex____t a valuable opportunity *v.* to make full use of and gain an advantage from resources, opportunities, etc.
237. m__e of light *n.* a tiny particle, speck, or fragment, often referring to something floating or in the air, typically too small to be easily seen
238. applied the_____ics *n.* the area of physics that deals with heat, work, and temperature and their relation to energy, entropy, and the physical properties of matter and radiation
239. sw__l up dirt and dust *v.* to move in a circular or spiral pattern
240. the atmospheric tem_____re *n.* the degree of hotness or coldness of a thing or place
241. pu__e waves *n.* the regular heartbeat as it sends blood around the body, especially when it is felt at the wrist or side of the neck; a solid regular vibration of sound, electric current, light, or other waves
242. st_____e through life *v.* to miss a step and fall or nearly fall; to walk unsteadily
243. se_____te video into chapter *v.* to force, take, or pull apart; mark as different
244. ecology and evo_____ary biology *adj.* relating to or denoting how living things develop or change from earlier forms
245. so__d ally *adj.* hard or firm; characterized by good substantial quality
246. mi_____e across borders *v.* to move from one country or region to another and settle there; to move from one place to another periodically or seasonally

ANSWERS: 236. exploit, 237. mote, 238. thermodynamics, 239. swirl, 240. temperature, 241. pulse, 242. stumble, 243. separate, 244. evolutionary, 245. solid, 246. migrate

247. international co_____ty *n.* a product or a raw material that can be traded, bought, or sold
248. re_____e a prisoner *v.* to set free or allow to escape from confinement
249. ice c__e *n.* a three-dimensional shape with six square faces that are all equal in size; (of mathematics) the result of multiplying the number by itself three times
250. cr_____re of habit *n.* a living being, especially an animal
251. re__r to a book *v.* to direct someone's attention, thoughts, or questions to another source or person; to mention, cite, or allude to something as evidence or support
252. the blind g_t *n.* the long tube in the body of a person or animal through which food passes when it leaves the stomach; the mental strength or bravery required to do something difficult or unpleasant
253. co___c background radiation *adj.* relating to the universe or cosmos; vast or limitless
254. the degree of dif_____ty *n.* a condition or state that causes problems
255. ind_____al freedom *n.* a single person or thing, as distinct from a group
256. adaptive cr_____e control *n.* a voyage on a large ship for pleasure; driving or traveling at a leisurely pace
257. s__r up controversy *v.* to mix a liquid or substance by using a spoon or something similar; to cause to be agitated, excited, or roused

ANSWERS: 247. commodity, 248. release, 249. cube, 250. creature, 251. refer, 252. gut, 253. cosmic, 254. difficulty, 255. individual, 256. cruise, 257. stir

258. the evo_____ary process *adj.* relating to or denoting how living things develop or change from earlier forms
259. a sop_____ted lifestyle *adj.* having a great deal of worldly experience and knowledge of people's behavior, culture, and fashion
260. pr_____e analyses *adj.* sharply exact or accurate or delimited
261. extragalactic su_____va *n.* a powerful and luminous explosion that occurs in some stars, resulting in an extremely bright, short-lived object that later fades into a supernova remnant
262. biomass f__l *n.* a substance that is typically burned to generate heat or energy
263. driving di_____ce *n.* the amount of space between two points, measured in units such as miles, meters, or kilometers; the extent, scope, or range between two things, such as distance or emotional distance
264. a vul_____le bridge *adj.* capable of being hurt or influenced physically or mentally
265. emotional fr_____ty *n.* the quality of being easily broken, damaged, or destroyed; the state of being delicate or vulnerable
266. the cr___e line *n.* a voyage on a large ship for pleasure; driving or traveling at a leisurely pace
267. env_____nt affairs *n.* the natural world such as air, water, and land in which humans, animals, and plants live
268. st_____ze prices *v.* to become or cause to become steady or unlikely to give way

ANSWERS: 258. evolutionary, 259. sophisticated, 260. precise, 261. supernova, 262. fuel, 263. distance, 264. vulnerable, 265. fragility, 266. cruise, 267. environment, 268. stabilize

269. equ_____nt in meaning *n.* having the same value, quality, meaning, purpose, etc.
270. co_____t only in knowing facts *v.* to be composed or made up of
271. ou_____t the storm *v.* to endure or last longer than something else; to overcome challenges or obstacles and remain in existence
272. political con_____on *n.* a large formal assembly of people who do a particular job or have a similar interest or of a political party; something regarded as a normative example
273. de_____t basin *n.* arid land with little or no vegetation often covered with sand or rocks
274. un_____ne their adversary's reputation *v.* to make someone or something less powerful, less effective, weaker gradually; to make someone's fame, confidence, or authority less effective or weaker gradually
275. mu__y romance *adj.* soft and pulpy in texture or consistency, often describing food; emotionally sentimental or overly romantic in a way that can be seen as insincere or sickly sweet
276. sa_____ah region *n.* a mixed forest and grassland ecosystem where the trees are far enough apart that the canopy doesn't close
277. sy_____us content *n.* an outline or summary of the topics, themes, and assignments to be covered in a particular course or educational program; a list or summary of key themes or components of a particular document, work, or project

ANSWERS: 269. equivalent, 270. consist, 271. outlast, 272. convention, 273. desert, 274. undermine, 275. mushy, 276. savannah, 277. syllabus

278. ta__y treats *adj.* having a strong and pleasant flavor when it is eaten
279. second co___c velocity *adj.* relating to the universe or cosmos; vast or limitless
280. oxygen a__m *n.* the smallest unit of ordinary matter that forms a chemical element, composed of a nucleus and one or more electrons bound to the nucleus
281. a bac_____nd color *n.* the details of a person's social heritage, such as family, vocational or educational experience; past information that is essential to understanding a situation or problem
282. in_____e a high degree of risk *v.* to include or affect someone or something as a necessary part of something else
283. fr_____e ecosystem *adj.* delicate or easily broken or damaged
284. make ast_____ng gains *adj.* surprising or shocking; difficult to believe
285. int_____tic matter *adj.* existing or occurring between different galaxies (= an independent group of stars)
286. collaborate with co_____ues *n.* one of a group of a coworker, especially in a profession or a business
287. s__r a sauce *v.* to mix a liquid or substance by using a spoon or something similar; to cause to be agitated, excited, or roused
288. no_____e else to go *adv.* not in, at, or to any place; not anywhere

ANSWERS: 278. tasty, 279. cosmic, 280. atom, 281. background, 282. involve, 283. fragile, 284. astonishing, 285. intergalactic, 286. colleague, 287. stir, 288. nowhere

289. m__e particle *n.* a tiny particle, speck, or fragment, often referring to something floating or in the air, typically too small to be easily seen
290. b__g his fist on a desk *v.* to hit or cause to hit something in a way that makes a loud noise
291. sc____r seeds *v.* to cause to separate and go in different directions
292. ti____ne of science history *n.* a series of events arranged in chronological order and displayed along a line, usually drawn left to right or top to bottom
293. directly int_____ect with those systems *v.* to connect similar things
294. con_____on center *n.* a large formal assembly of people who do a particular job or have a similar interest or of a political party; something regarded as a normative example
295. ju___e exploration *n.* an area of tropical forest where in which trees and plants grow very thickly
296. mathematical pu___e *n.* a situation that is difficult to follow or solve; a game, problem, or toy that tests a person's ingenuity or knowledge; (verb) to cause someone to feel confused because of something difficult to understand
297. cr____ve writing *adj.* relating to or involving the use of skill and original and unusual ideas to create something
298. bl__s him in my heart *v.* to make or pronounce holy; to hallow; to consecrate; to sanctify

ANSWERS: 289. mote, 290. bang, 291. scatter, 292. timeline, 293. interconnect, 294. convention, 295. jungle, 296. puzzle, 297. creative, 298. bless

299. genic com_____ons *n.* a collection of things that have been combined; an assemblage of separate parts or qualities
300. s__p into paper *v.* to flow or leak slowly and gradually through small openings or spaces; to ooze or trickle out gradually
301. cu___e buddy *v.* to hold close and lovingly in one's arms, often for comfort or affection; to snuggle or nestle against someone or something
302. on the ve__e of tears *n.* the point at which something is about to happen or where something begins; the edge or margin of something, particularly a physical boundary or border
303. occ_____lly dine with friends *adv.* now and then; sometimes but not often
304. b__g a phone down *v.* to hit or cause to hit something in a way that makes a loud noise
305. g_t feelings *n.* the long tube in the body of a person or animal through which food passes when it leaves the stomach; the mental strength or bravery required to do something difficult or unpleasant
306. mi_____e a service *v.* to move from one country or region to another and settle there; to move from one place to another periodically or seasonally
307. gra_____ld development *n.* a child of someone's son or daughter
308. charged pa_____le *n.* a small piece of something; a word or piece of a term with grammatical function but little or no significance

ANSWERS: 299. combination, 300. seep, 301. cuddle, 302. verge, 303. occasionally, 304. bang, 305. gut, 306. migrate, 307. grandchild, 308. particle

309. stu_____us view *adj.* extremely impressive, astonishing, or remarkable; of a size or degree that is difficult to comprehend or imagine
310. speak with pr_____on *n.* the quality or condition of being exact and accurate
311. te_____te design *n.* a pre-designed file or document used as a starting point for a particular application so that the format does not have to be created from scratch
312. use of nu_____r power *adj.* of or relating to or constituting the nucleus of an atom; deriving destructive energy from the release of atomic energy
313. inc_____le amount *adj.* unbelievable; enormous
314. the st_____re of a machine *n.* the way of construction of something and the arrangement of its parts, or a complex thing constructed of many parts
315. crossword pu____e *n.* a situation that is difficult to follow or solve; a game, problem, or toy that tests a person's ingenuity or knowledge; (verb) to cause someone to feel confused because of something difficult to understand
316. re__r to a map *v.* to direct someone's attention, thoughts, or questions to another source or person; to mention, cite, or allude to something as evidence or support
317. co_____e chemically with another substance *v.* to join or merge to form a single thing or group

ANSWERS: 309. stupendous, 310. precision, 311. template, 312. nuclear, 313. incredible, 314. structure, 315. puzzle, 316. refer, 317. combine

318. every ni__e of society *n.* a specialized role or position that a species occupies within an ecosystem; a job or position particularly well suited to the person who occupies it
319. play a vi__l role *adj.* necessary for the success or continued existence of something
320. cu___e up with a book *v.* to hold close and lovingly in one's arms, often for comfort or affection; to snuggle or nestle against someone or something
321. c__e root *n.* a three-dimensional shape with six square faces that are all equal in size; (of mathematics) the result of multiplying the number by itself three times
322. mo_____le behavior *n.* a group of two or more atoms held together by attractive forces known as chemical bonds
323. qu__k physics *n.* a type of elementary particle and a fundamental constituent of matter that make up the heavier elementary particles, such as protons, neutrons, etc.; fresh unripened cheese of a smooth texture made from pasteurized milk, a starter, and rennet
324. in_____e a lot of paperwork *v.* to include or affect someone or something as a necessary part of something else
325. inc_____ly cheerful character *adv.* in a way that is very difficult to believe; exceedingly or extremely
326. a fa_____ic dress *adj.* extremely good; excellent

ANSWERS: 318. niche, 319. vital, 320. cuddle, 321. cube, 322. molecule, 323. quark, 324. involve, 325. incredibly, 326. fantastic

327. permanent br__n damage *n.* the organ inside the head that is responsible for one's movement, thought, memory, and feeling
328. eve_____ly become obsolete *adv.* finally, particularly after a long time or a lot of struggle, complications, and so on
329. s__p cool and moist air *v.* to flow or leak slowly and gradually through small openings or spaces; to ooze or trickle out gradually
330. ni__e market *n.* a specialized role or position that a species occupies within an ecosystem; a job or position particularly well suited to the person who occupies it
331. fo__e an alliance *v.* to fashion or shape metal by heating it and hammering it into shape; to create or develop something new or original; to form strong bonds or relationships with others
332. oc_____c exploration *adj.* relating to or characteristic of the ocean or its inhabitants; having to do with the vast expanse of saltwater that covers most of the Earth's surface
333. the Siberian tu___a *n.* a vast, treeless, and typically frozen plain in the Arctic regions, where the subsoil is permanently frozen
334. fl_____sh worldwide *v.* to grow or develop vigorously or successfully
335. cognitive com_____ty *n.* the state or quality of being complicated or intricate and difficult to understand
336. su_____nd a town *v.* to be all around something or somebody

ANSWERS: 327. brain, 328. eventually, 329. seep, 330. niche, 331. forge, 332. oceanic, 333. tundra, 334. flourish, 335. complexity, 336. surround

337. en____y calculation *n.* a scientific concept that is most commonly associated with a state of disorder, randomness, or uncertainty
338. acc_____te evidence *v.* to collect or acquire a large number of things over a long period of time
339. ro__y terrain *adj.* full of or abounding in rocks; of, relating to, or made of rock
340. un____y relationship *adj.* causing or feeling anxiety or discomfort
341. the earth's cr__t *n.* a hard outer layer that forms on the surface of a liquid as it cools or on a solid as a result of exposure to air or moisture
342. re_____nt by a diagram *v.* to speak, act, or be present on behalf of another person or group; to form or constitute
343. ro__y relationship *adj.* full of or abounding in rocks; of, relating to, or made of rock
344. ex_____t a security hole *v.* to make full use of and gain an advantage from resources, opportunities, etc.
345. the laws of the_____ics *n.* the area of physics that deals with heat, work, and temperature and their relation to energy, entropy, and the physical properties of matter and radiation
346. oc_____c climate *adj.* relating to or characteristic of the ocean or its inhabitants; having to do with the vast expanse of saltwater that covers most of the Earth's surface
347. re_____ve factors *adj.* considered and evaluated through comparison with something else

ANSWERS: 337. entropy, 338. accumulate, 339. rocky, 340. uneasy, 341. crust, 342. represent, 343. rocky, 344. exploit, 345. thermodynamics, 346. oceanic, 347. relative

348. mi____e defense *n.* a weapon, such as a rocket or guided projectile, that is self-propelled and directed by remote control or by an internal guidance mechanism
349. st_____nt requirements *adj.* strict, severe, or demanding; requiring close attention to rules or regulations; extreme or excessive in some way
350. a ra___m choice *adj.* made, done, or happening without method, conscious decision, or any regular pattern
351. f__e blows *n.* a small part in an electrical device or machinery that can interrupt the flow of electrical current when it is overloaded; (verb) to become plastic or fluid or liquefied from heat
352. cruise mi____e attack *n.* a weapon, such as a rocket or guided projectile, that is self-propelled and directed by remote control or by an internal guidance mechanism
353. professor of ch_____ry *n.* the branch of the natural sciences dealing with the composition of substances and their properties and reactions
354. pr___n decay *n.* a very small particle with a positive charge equal to the negative charge of an electron that forms part of the nucleus of all atoms
355. t__p an animal *n.* a piece of equipment or hole for catching animals or people; (verb) to catch animals or people and prevent them from escaping

ANSWERS: 348. missile, 349. stringent, 350. random, 351. fuse, 352. missile, 353. chemistry, 354. proton, 355. trap

356. watch a ga_____on movies *adj.* extremely large or many, used to express that something is abundant or exists in such large quantities that it's hyperbolically beyond count
357. un_____ne a good relationship *v.* to make someone or something less powerful, less effective, weaker gradually; to make someone's fame, confidence, or authority less effective or weaker gradually
358. the characters that re_____nt numbers *v.* to speak, act, or be present on behalf of another person or group; to form or constitute
359. barren of cr_____ve spirit *adj.* relating to or involving the use of skill and original and unusual ideas to create something
360. neutral hydrogen a__ms *n.* the smallest unit of ordinary matter that forms a chemical element, composed of a nucleus and one or more electrons bound to the nucleus

ANSWERS: 356. gazillion, 357. undermine, 358. represent, 359. creative, 360. atom

Session 3: Fill in the Blanks

1. I love trying _____ foods from different cultures.
adj. originating from or characteristic of a foreign country or culture; strikingly unusual, uncommon, or intriguing

2. The cardiac monitor displays the intensity of your _____.
n. the regular heartbeat as it sends blood around the body, especially when it is felt at the wrist or side of the neck; a solid regular vibration of sound, electric current, light, or other waves

3. He studied the _____ of radiation.
n. the science of matter and energy and their interactions

4. The European Central Bank is Europe's _____ of the Federal Reserve.
n. having the same value, quality, meaning, purpose, etc.

5. The news of her sudden death was _____ to everyone who knew her.
adj. surprising or shocking; difficult to believe

6. There was a _____ of impoverished farmers into the towns.
n. the movement of animals to a new location, frequently as the seasons change

7. The _____ and the oxygen react and then form water.
n. the chemical element that is the lightest gas is colorless, odorless, tasteless, and combines with oxygen to form water

8. She's on the _____ of adulthood.
n. the floor or ground that forms the bottom of a doorway and offers support when passing through a doorway; the smallest detectable sensation

ANSWERS: 1. exotic, 2. pulse, 3. physics, 4. equivalent, 5. astonishing, 6. migration, 7. hydrogen, 8. threshold

9. The man _____ before opening the door.
- v.* to take a short break from talking or doing something before continuing
10. 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
11. The solar wind is composed almost entirely of electrons and _____.
- n.* a very small particle with a positive charge equal to the negative charge of an electron that forms part of the nucleus of all atoms
12. Local business owners _____ to find skilled workers.
- v.* to move or climb quickly and awkwardly, often using your hands to help you
13. Please _____ to the instruction manual for further assistance.
- v.* to direct someone's attention, thoughts, or questions to another source or person; to mention, cite, or allude to something as evidence or support
14. I've been thinking all day and getting _____.
- adv.* not in, at, or to any place; not anywhere
15. The _____ of the bees filled the air as she walked through the garden.
- adj.* producing a continuous, low, vibrating sound like that of the bee
16. The hunter's approach _____ the geese.
- v.* to cause to separate and go in different directions
17. As an _____ he had the right to make his own decisions and live his life as he saw fit.
- n.* a single person or thing, as distinct from a group

ANSWERS: 9. paused, 10. diversity, 11. protons, 12. scrambled, 13. refer, 14. nowhere, 15. humming, 16. scattered, 17. individual,

18. The outermost _____ shell determines the chemical properties of an atom.
n. a tiny particle with the negative electrical charge
19. The balance of the _____ is crucial for the survival of species.
n. the part of the Earth and its atmosphere in which living organisms exist, including plants, animals, and microorganisms
20. X-rays revealed a small tumor in his _____.
n. the organ inside the head that is responsible for one's movement, thought, memory, and feeling
21. This meal wasn't as _____ as we had imagined.
adj. having a strong and pleasant flavor when it is eaten
22. The DNA molecule is shaped like a double _____.
n. a three-dimensional spiral shape or structure, particularly like that of a spring or a DNA molecule
23. The _____ road made it difficult to drive on.
adj. full of or abounding in rocks; of, relating to, or made of rock
24. Some species of turtles can _____ human beings by centuries.
v. to endure or last longer than something else; to overcome challenges or obstacles and remain in existence
25. The discovery of a new _____ species made headlines in the scientific community.
n. a large extinct reptile, often with an armored back, long neck, tail, and bony plates on the skin

ANSWERS: 18. electron, 19. biosphere, 20. brain, 21. tasty, 22. helix, 23. rocky, 24. outlast, 25. dinosaur

26. _____ and weather have an impact on every part of our lifestyles.
n. the weather in a particular location averaged over some long period
27. Marketing strategies are growing more _____.
adj. having a great deal of worldly experience and knowledge of people's behavior, culture, and fashion
28. The firm has grown into a large _____ manufacturing.
adj. relating to or connected with chemistry;
29. The project's _____ made it difficult for the team to complete it on time.
n. the state or quality of being complicated or intricate and difficult to understand
30. He told me a _____ truth about my parent's death.
n. the long tube in the body of a person or animal through which food passes when it leaves the stomach; the mental strength or bravery required to do something difficult or unpleasant
31. The corporation _____ dominated the entire tobacco business.
adv. finally, particularly after a long time or a lot of struggle, complications, and so on
32. He moved his body _____ to the left.
adv. in a small degree or extent; a little
33. The entire mountain is covered in _____ rainforest.
adj. containing a large number of people or something with little space between them

ANSWERS: 26. Climate, 27. sophisticated, 28. chemical, 29. complexity, 30. gut-wrenching, 31. eventually, 32. slightly, 33. dense

34. Several cities are experiencing _____ high unemployment rates.
adv. in a way that is very difficult to believe; exceedingly or extremely
35. This region is predominantly _____.
n. arid land with little or no vegetation often covered with sand or rocks
36. The _____ vehicle seamlessly transitioned from land to water.
adj. able to function both on land and in water; able to live in or move between two different environments or settings
37. The _____ is about 13.8 billion years old.
n. everything that exists, especially all physical matter, including planets, stars, galaxies, and all other forms of matter and energy
38. Astronomers are examining whether the _____ signals emanating from this star are artificial.
adj. happening at regular intervals over a while
39. It is essential to keep these two issues _____.
adj. noticeable from something else of a similar type
40. The _____ spaceship traveled to distant planets.
adj. existing or occurring between different galaxies (= an independent group of stars)
41. That _____ shows that people are accepting the tax increase to some extent.
n. an investigation of the opinions, behavior, etc. of a particular group of people, made by asking people questions

ANSWERS: 34. incredibly, 35. desert, 36. amphibious, 37. universe, 38. periodic, 39. distinct, 40. intergalactic, 41. survey

42. 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
43. The content is _____ and informative for me.
- adj.* sharply exact or accurate or delimited
44. The recent oil discovery in the region has led to an economic _____ for the local community.
- n.* a situation or event in which there is a sudden and profitable discovery or success, usually related to a significant amount of wealth, resources, or opportunities; a large deposit of valuable ore or precious minerals
45. The _____ balloons floated into the sky.
- n.* a colorless, odorless, tasteless, non-toxic, inert, monatomic gas, the first in the noble gas series in the periodic table
46. The ship's hull was _____ from years of use in rough seas.
- v.* to twist or bend out of shape, especially as a result of being heated; to distort or twist the meaning or sense of something
47. He was _____ about the situation and didn't know what to do.
- adj.* causing or feeling anxiety or discomfort
48. The grandparents take care of their _____ while the parents are at work.
- n.* a child of someone's son or daughter
49. The perspective of his right brain _____ his consciousness.
- v.* to have or control a lot of power and influence over somebody or something

ANSWERS: 42. involves, 43. precise, 44. bonanza, 45. helium-filled, 46. warped, 47. uneasy, 48. grandchild, 49. dominates

50. The fireworks display was _____ lighting up the entire sky with vibrant colors.
adj. extremely impressive, astonishing, or remarkable; of a size or degree that is difficult to comprehend or imagine
51. On three sides, mountains _____ the settlement.
v. to be all around something or somebody
52. We _____ our mining resources to strengthen our national power.
v. to make full use of and gain an advantage from resources, opportunities, etc.
53. The priest _____ the couple as they knelt before him.
v. to make or pronounce holy; to hallow; to consecrate; to sanctify
54. Male gorillas with good drumming skills are more _____.
adj. capable of being done as intended; able to succeed
55. The rain began to _____ through the roof, causing damage to the walls and floors.
v. to flow or leak slowly and gradually through small openings or spaces; to ooze or trickle out gradually
56. He imposed a _____ on the project.
n. a series of events arranged in chronological order and displayed along a line, usually drawn left to right or top to bottom
57. I'm _____ with preparation for tomorrow's meeting.
v. to break something; (noun) a woman's chest, or the measurement around a woman's chest; (noun) an occasion for something excessive, such as work, eating, drinking, etc.

ANSWERS: 50. stupendous, 51. surround, 52. exploit, 53. blessed, 54. viable, 55. seep, 56. timeline, 57. bust

58. The phone rang at the most _____ time.

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

59. 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

60. The extinction of several subspecies has been linked to climate change and habitat _____.

n. the act of causing so much damage to something

61. The _____ service was interrupted for a while.

n. a method of long-distance transmission of messages by electrical or radio signals

62. Many Germans _____ to South America in the mid-19th century.

v. to move from one country or region to another and settle there; to move from one place to another periodically or seasonally

63. She still _____ writes a short romance novel.

adv. now and then; sometimes but not often

64. Product development is a _____ effort.

adj. done or shared by every member of a group of people

65. We are _____ opposed to any form of terrorism.

adv. completely or absolutely

ANSWERS: 58. opportune, 59. represent, 60. destruction, 61. telegraph, 62. migrated, 63. occasionally, 64. collective, 65. utterly

66. 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.
67. I attempted to _____ him, but he ignored me.
- v.* to make someone aware of potential danger or difficulty, particularly one that may occur in the future
68. He has a short _____.
- n.* a small part in an electrical device or machinery that can interrupt the flow of electrical current when it is overloaded; (verb) to become plastic or fluid or liquefied from heat
69. There are various hypotheses concerning the _____ of life.
- n.* the first existence or beginning of something
70. _____ algorithms can find ways to optimize that humans do not anticipate.
- adj.* relating to or denoting how living things develop or change from earlier forms
71. The baby clung _____ to her mother.
- adv.* in a way that shows a lack of hope and a willingness to do anything because of the problematic situation; with great urgency
72. _____ rays are high-energy particles that originate from outside the solar system.
- adj.* relating to the universe or cosmos; vast or limitless

ANSWERS: 66. satellite, 67. warn, 68. fuse, 69. origin, 70. Evolutionary, 71. desperately, 72. Cosmic

73. 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

74. He has _____ his wealth through real estate investments.

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

75. A great stretch of the lake lay _____ them.

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

76. He gave _____ to his anger by playing the guitar.

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

77. The vase was made of _____ ceramic and easily broke when it was dropped.

- adj.* delicate or easily broken or damaged

78. The _____ of the glass required careful handling during shipping.

- n.* the quality of being easily broken, damaged, or destroyed; the state of being delicate or vulnerable

79. When faced with a dangerous situation, his initial _____ was to flee.

- n.* an inborn behavioral pattern that is often responsive to specific stimuli; an innate feeling that causes you to act or believe that something is true

80. Since the second law of thermodynamics is applicable to the universe, the _____ of the universe continues to increase.

- n.* a scientific concept that is most commonly associated with a state of disorder, randomness, or uncertainty

ANSWERS: 73. planet, 74. accumulated, 75. beneath, 76. vent, 77. fragile, 78. fragility, 79. instinct, 80. entropy

81. Eyeless fish _____ in dark caves.

v. to develop gradually, or to cause the development of something or someone gradually

82. The species occupies a unique _____ in the ecosystem as a top predator.

n. a specialized role or position that a species occupies within an ecosystem; a job or position particularly well suited to the person who occupies it

83. The school has a _____ attendance policy that allows for no more than three absences per semester.

adj. strict, severe, or demanding; requiring close attention to rules or regulations; extreme or excessive in some way

84. Perseverance and optimism are _____ to success.

adj. necessary for the success or continued existence of something

85. My father tried to _____ mathematics into my head since childhood.

v. to hit or cause to hit something in a way that makes a loud noise

86. The _____ waves crashed against the shore, creating a mesmerizing sight.

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

87. When I was a child, my mother often cast _____ spells to ease my pain whenever I was injured.

adj. produced by or containing supernatural powers

88. The _____ response team worked around the clock to aid those affected by the earthquake.

n. an unexpected event or series of events that cause widespread damage, destruction, or loss of life

ANSWERS: 81. evolved, 82. niche, 83. stringent, 84. vital, 85. bang, 86. oceanic, 87. magical, 88. disaster

89. All the supervisor has to do is assign tasks that make his subordinates more _____.
- adj.* relating to or involving the use of skill and original and unusual ideas to create something
90. The enemy fell right into the _____.
- n.* a piece of equipment or hole for catching animals or people; (verb) to catch animals or people and prevent them from escaping
91. The professor handed out the _____ on the first day of class.
- n.* an outline or summary of the topics, themes, and assignments to be covered in a particular course or educational program; a list or summary of key themes or components of a particular document, work, or project
92. Most countries prohibit sexual activity between certain close _____.
- adj.* considered and evaluated through comparison with something else
93. The _____ of water is called ice.
- adj.* hard or firm; characterized by good substantial quality
94. The blood began to _____ as it dried in the wound.
- v.* to solidify or thicken, especially by cooling or freezing; to become firm or solid, often referring to a liquid or substance
95. This examination _____ of five problems to solve.
- v.* to be composed or made up of
96. He has _____ exercising because of a back injury sustained in an accident.
- n.* a condition or state that causes problems

ANSWERS: 89. creative, 90. trap, 91. syllabus, 92. relatives, 93. solid-state, 94. congeal, 95. consists, 96. difficulty

97. She received her _____ in psychology from the university.
- n.* a unit of measurement for angles, temperature, or level of proficiency or achievement; a rank or level of academic or professional attainment
98. The second law of _____ denies the existence of a perpetual motion engine.
- n.* the area of physics that deals with heat, work, and temperature and their relation to energy, entropy, and the physical properties of matter and radiation
99. I cut the cheese into small _____ for the salad.
- n.* a three-dimensional shape with six square faces that are all equal in size; (of mathematics) the result of multiplying the number by itself three times
100. The camera's focus was off, and the image was a _____ of colors and shapes.
- n.* a faint or indistinct image or sound; something that is not clear or distinct; (verb) to become unclear; to lose clear vision
101. The organizational _____ of start-ups is often flat and straightforward.
- n.* the way of construction of something and the arrangement of its parts, or a complex thing constructed of many parts
102. The cake was _____ because I accidentally added too much milk to the batter.
- adj.* soft and pulpy in texture or consistency, often describing food; emotionally sentimental or overly romantic in a way that can be seen as insincere or sickly sweet
103. The marathon runner covered a long _____ in a short amount of time.
- n.* the amount of space between two points, measured in units such as miles, meters, or kilometers; the extent, scope, or range between two things, such as distance or emotional distance

ANSWERS: 97. degree, 98. thermodynamics, 99. cubes, 100. blur, 101. structure, 102. mushy, 103. distance

104. Alligators are a type of _____ that live in swamps and rivers.

n. a cold-blooded animal that has dry, scaly skin and lays eggs on land, such as snakes, lizards, and turtles

105. 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

106. I love to _____ with my dog on the couch after a long day.

v. to hold close and lovingly in one's arms, often for comfort or affection; to snuggle or nestle against someone or something

107. _____ a number by itself twice.

v. to add a number to itself a specified number of times; to increase or cause to increase very much in number or quantity

108. She made a _____ impression.

adj. producing very clear, powerful, and detailed images in the mind

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

v. to move in a circular or spiral pattern

110. Infants and pregnant women are particularly _____.

adj. capable of being hurt or influenced physically or mentally

111. He stood on the _____ of a major discovery.

n. the point at which something is about to happen or where something begins; the edge or margin of something, particularly a physical boundary or border

ANSWERS: 104. reptile, 105. separate, 106. cuddle, 107. Multiply, 108. vivid, 109. swirled, 110. vulnerable, 111. verge

112. The astronaut felt weightless in space due to the absence of _____.
- n.* the force that attracts a body towards the center of the earth or towards any other physical body having mass; a manner that is solemn
113. Do you know the _____ of the population in Hong Kong?
- n.* the quality of compactness of a substance
114. Dolphins use sound to _____ with each other.
- v.* to share or exchange information with others by speaking, writing, moving your body, or using other signals
115. They met at biennial _____.
- n.* a large formal assembly of people who do a particular job or have a similar interest or of a political party; something regarded as a normative example
116. Many famous _____ are within walking distance.
- n.* the ability to see; anything that is seen
117. The birds live in tropical forests, _____ and arid semi-desert environments.
- n.* a mixed forest and grassland ecosystem where the trees are far enough apart that the canopy doesn't close
118. I decided to seek counseling on the advice of my _____.
- n.* one of a group of a coworker, especially in a profession or a business
119. The Christmas tree was beautifully decorated with delicate _____ ornaments.
- n.* a small, thin, delicate piece of snow; a person, especially a young person, who is perceived as overly sensitive, easily offended, or with an inflated sense of entitlement

ANSWERS: 112. gravity, 113. density, 114. communicate, 115. conventions, 116. sights, 117. savannahs, 118. colleague, 119. snowflake

120. Tiny _____ of dust floated in the sunbeam, creating a beautiful spectacle.
n. a tiny particle, speck, or fragment, often referring to something floating or in the air, typically too small to be easily seen
121. 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
122. The animal rights group worked to _____ the dolphins back into the wild.
v. to set free or allow to escape from confinement
123. We _____ the season's total trade deficit at \$50 billion.
v. to guess or calculate the cost, size, value, etc. of something
124. The military launched a ballistic _____ at the enemy's stronghold.
n. a weapon, such as a rocket or guided projectile, that is self-propelled and directed by remote control or by an internal guidance mechanism
125. The chef separated the egg white from the _____ to make a perfect souffle.
n. the yellow central part of an egg, surrounded by the egg white, which provides nutrients for an embryo during its development
126. The bread's _____ was golden brown and crispy.
n. a hard outer layer that forms on the surface of a liquid as it cools or on a solid as a result of exposure to air or moisture
127. They hope to _____ their business worldwide.
v. to increase or to make something greater in size, number, or importance

ANSWERS: 120. motes, 121. environment, 122. release, 123. estimated, 124. missile, 125. yolk, 126. crust, 127. expand

128. The government announced a policy to control the rise in _____ prices.
n. a product or a raw material that can be traded, bought, or sold
129. It was the _____ of a dinosaur tooth.
n. any preserved remains, impression, or trace of any once-living thing that has become hard and turned into rock
130. Topics related to that war may _____ up a political hornets' nest.
v. to mix a liquid or substance by using a spoon or something similar; to cause to be agitated, excited, or roused
131. Many countries have now agreed to a treaty banning the use of _____ weapons.
adj. of or relating to or constituting the nucleus of an atom; deriving destructive energy from the release of atomic energy
132. Please _____ your sweat with this towel.
v. to clean or dry something by rubbing with a piece of cloth or paper or one's hand and removing dirt, food, or liquid
133. He created an _____ shaped torso.
adv. in a faulty or incomplete way
134. Your _____ is capable of distinguishing among similar objects.
n. the ability to think logically and comprehend information, especially at an advanced level
135. The shape of the DNA _____ is a double helix.
n. a group of two or more atoms held together by attractive forces known as chemical bonds

ANSWERS: 128. commodity, 129. fossil, 130. stir, 131. nuclear, 132. wipe, 133. imperfectly, 134. intellect, 135. molecule

136. They tried to _____ her position by slandering her.

- v.* to make someone or something less powerful, less effective, weaker gradually; to make someone's fame, confidence, or authority less effective or weaker gradually

137. Two countries acted together as if by _____.

- adj.* closely and firmly united or packed together, using very little space; smaller than is usual

138. Hydrogen and oxygen _____ to form water.

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

139. This jigsaw _____ is challenging because there are no pictures.

- n.* a situation that is difficult to follow or solve; a game, problem, or toy that tests a person's ingenuity or knowledge; (verb) to cause someone to feel confused because of something difficult to understand

140. Who answers _____ knows little.

- adv.* quickly and unexpectedly

141. This operation requires both patience and _____.

- n.* the quality or condition of being exact and accurate

142. He that would eat the kernel must _____ the nut.

- v.* to break or cause to break without dividing into separate parts; (noun) a line on the surface of something along which it has separated without breaking

143. The sponge takes up the _____ well.

- n.* a substance, such as water or oil that flows freely and is neither a solid nor a gas

ANSWERS: 136. undermine, 137. compact, 138. combine, 139. puzzle, 140. suddenly, 141. precision, 142. crack, 143. liquid

144. That _____ was an essential base for the country's defense.
n. a long piece of land that is almost surrounded by water but is linked to a larger part of the land
145. To find drunk drivers, police conduct _____ tests.
adj. made, done, or happening without method, conscious decision, or any regular pattern
146. His hypothesis concerns the role of an _____ field in human health.
adj. of or relating to the magnetism produced by electric charge in motion
147. The Chinese word for _____ comprises two characters, one for danger and the other for opportunity.
n. a time of great disagreement, confusion, or danger when problems must be resolved or critical decisions must be taken
148. He is familiar with _____ and biology.
n. the branch of the natural sciences dealing with the composition of substances and their properties and reactions
149. My remote _____ immigrated to the United States from Ireland in the 1800s.
n. a person from whom one is descended; a forefather
150. We can calculate the position of the _____ statistically.
n. a small piece of something; a word or piece of a term with grammatical function but little or no significance
151. The budget reduction was an _____ feat for our nation.
adj. arousing admiration due to size, quality, or skill

ANSWERS: 144. peninsula, 145. random, 146. electromagnetic, 147. crisis, 148. chemistry, 149. ancestor, 150. particles, 151. impressive

152. The _____ to the safe was a secret.

- n.* a collection of things that have been combined; an assemblage of separate parts or qualities

153. 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

154. The raising of interest rates _____ the inflation rate.

- v.* to become or cause to become steady or unlikely to give way

155. The Arctic _____ is a vast and desolate landscape with few signs of life.

- n.* a vast, treeless, and typically frozen plain in the Arctic regions, where the subsoil is permanently frozen

156. Scientists are studying the composition and origins of the _____ belt to understand the early solar system better.

- n.* a small rocky body orbiting the sun, typically in the region between Mars and Jupiter

157. She _____ over the tree root.

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

158. You _____ a bill in the change machine, and the coins pop out.

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

159. The deep sea _____ was unlike anything the scientists had ever seen before.

- n.* a living being, especially an animal

ANSWERS: 152. combination, 153. cruise, 154. stabilizes, 155. tundra, 156. asteroid, 157. stumbled, 158. stick, 159. creature

160. The company's hiring criteria emphasize personality, not a person's _____.
- n.* the details of a person's social heritage, such as family, vocational or educational experience; past information that is essential to understanding a situation or problem
161. The Ottoman Empire _____ for over five centuries.
- v.* to grow or develop vigorously or successfully
162. She had to _____ her father's signature on the permission slip because he was out of town.
- v.* to fashion or shape metal by heating it and hammering it into shape; to create or develop something new or original; to form strong bonds or relationships with others
163. Later, his claim was found to be _____ false.
- adv.* completely
164. The outermost electron shell of an _____ determines its chemical characteristics.
- n.* the smallest unit of ordinary matter that forms a chemical element, composed of a nucleus and one or more electrons bound to the nucleus
165. Certain types of _____ can be toxic to humans, causing severe illness if ingested.
- n.* a type of organism that includes yeasts, molds, and mushrooms, which are heterotrophic, meaning they do not produce their food and must consume organic matter to survive
166. I have a _____ things to do before the end of the day.
- adj.* extremely large or many, used to express that something is abundant or exists in such large quantities that it's hyperbolically beyond count

ANSWERS: 160. background, 161. flourished, 162. forge, 163. entirely, 164. atom, 165. fungus, 166. gazillion

167. The mechanics _____ the trailer to the broken-down car.

- v.* to move something into a different position jerkily; to travel by getting free rides from motorists; to hook or entangle

168. Human behavior has _____ characteristics.

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

169. A company is a distinct legal _____.

- n.* something that exists independently and has its own identity

170. The discovery of the muon _____ helped to confirm the existence of the weak nuclear force.

- n.* a subatomic particle that is one of the basic building blocks of matter, having little or no mass and carrying an electrical charge

171. Cities around the world set records for highest _____ this summer.

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

172. Our system can now _____ with other databases.

- v.* to connect similar things

173. The Big Bang theory states that _____ plasma filled the entire universe before matter as we know it was created.

- n.* a type of elementary particle and a fundamental constituent of matter that make up the heavier elementary particles, such as protons, neutrons, etc.; fresh unripened cheese of a smooth texture made from pasteurized milk, a starter, and rennet

174. The _____ to the new class was informative and engaging.

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

ANSWERS: 167. hitched, 168. fundamental, 169. entity, 170. lepton, 171. temperatures, 172. interconnect, 173. quark-gluon, 174. introduction

175. Her response revealed _____ idiocy.

adj. unbelievable; enormous

176. This village is still in a dense _____.

n. an area of tropical forest where in which trees and plants grow very thickly

177. The new amusement park ride was _____ with twists, turns, and drops that left riders screaming with excitement.

adj. extremely good; excellent

178. The _____ scarcity most severely impacted the manufacturing sector

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

179. The _____ explosion created a bright new star in the night sky.

n. a powerful and luminous explosion that occurs in some stars, resulting in an extremely bright, short-lived object that later fades into a supernova remnant

180. The _____ format provided a useful guide for creating the budget.

n. a pre-designed file or document used as a starting point for a particular application so that the format does not have to be created from scratch

ANSWERS: 175. incredible, 176. jungle, 177. fantastic, 178. fuel, 179. supernova, 180. template