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Vocabulary Builder Reference from...

Antonio Donato Nobre: The magic of the Amazon: A river that flows invisibly all around us | TED Talk
https://www.ted.com/talks/antonio_donato_nobre_the_magic_of_the_amazon_a_river_that_flows_invisibly_all_around_us

All Words

IMPORTANT

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Session 1: Word List

- ken** *n.* knowledge, perception, understanding, or range of sight; (verb) to be aware of or know
synonym: knowledge, understanding, familiarity
(1) within my **ken**, (2) **ken** of the person
He had a good **ken** of the city and could easily find his way around.
- memorable** *adj.* worth remembering or likely to be remembered, especially because of being very important or remarkable
synonym: extraordinary, noteworthy, unforgettable
(1) create **memorable** experiences, (2) least **memorable** song
His passionate speech makes a **memorable** impression.
- typical** *adj.* having the usual characteristics or traits of a specific group of things
synonym: characteristic, usual, distinctive
(1) **typical** leader, (2) fairly **typical** symptoms
This artwork is **typical** of her work.

transport

n. a system for moving people or products from one location to another using automobiles, roads, and so on
synonym: shipment, transit, conveyance

(1) **transport** facilities, (2) access to public **transport**

Enhanced rail **transportation** is crucial for our business.

philosophy

n. the study of general and fundamental questions, such as those about existence, reason, knowledge, values, mind
synonym: doctrine, attitude, creed

(1) **philosophy** of education, (2) western **philosophy**

Ethics is a branch of **philosophy**.

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.

inspire

v. to make somebody fill with the desire, confidence, or enthusiasm, especially to do something creative

synonym: boost, encourage, enlighten

(1) **inspire** a feeling of curiosity, (2) **inspire** him to write a novel

The unique style of this martial arts **inspired** many action film producers.

invite

v. to ask someone to come or join; to offer an opportunity or possibility for something to happen or take place

synonym: ask, request, summon

(1) **invite** guests, (2) **invite** criticism

We want to **invite** you to our annual charity event.

splendid

adj. very impressive or beautiful; magnificent

synonym: magnificent, grand, impressive

(1) a **splendid** meal, (2) have a **splendid** time

The **splendid** palace was built in the 18th century.

cradle

n. a small bed for an infant, often designed to rock back and forth; a place or region where something begins or originates

synonym : infancy, beginning, origin

(1) from the **cradle** to the grave, (2) **cradle** of civilization

The baby peacefully slept in her **cradle**, surrounded by stuffed animals and blankets.

convey

v. to express ideas, feelings, etc. so that it is known or understood by other people; to carry something from one place to another

synonym : communicate, transfer, deliver

(1) **convey** a complex idea, (2) **convey** goods by truck

An ironic remark often **conveys** an intended meaning obliquely.

inspiration

n. something that motivates or encourages someone to create or achieve something, or a feeling of excitement or creativity

synonym : motivation, drive, encouragement

(1) source of **inspiration**, (2) get **inspiration** from nature

He found **inspiration** in the works of his favorite authors.

controversy

n. a lot of discussion and argument about something, often involving strong feelings of anger or disapproval

synonym : disagreement, dispute, argument

(1) **controversy** among researchers, (2) arouse **controversy**

They entered into **controversy** with the member of the ruling party.

lung

n. either of the two organs in the chest that people and some animals use for breathing

(1) **lung** capacity, (2) do **lung** transplantation

He has terminal **lung** cancer.

massive

adj. enormous amount; very heavy and solid

synonym: enormous, giant, immense

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

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

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.

exchange

v. to give something and receive something else in return, often with the implication that the items being traded are of equal or comparable value; (noun) the act of giving or taking something in return for something else; a place or system where goods or services can be bought, sold, or traded

synonym: trade, swap, interchange

(1) **exchange** rate, (2) **exchange** a few friendly words

My sister and I frequently **exchange** books, as we love reading.

atmosphere

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

synonym: air, ambiance, circumstances

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

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

storehouse

n. a large building or room used for storing goods

synonym: warehouse, depository, repository

(1) **storehouse** supplies, (2) **storehouse** inventory

The security of a **storehouse** is essential to prevent theft or damage to the stored items.

biodiversity

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

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

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

marsh

n. a type of land that is always wet and has soft soil; swamp or bog

synonym: bog, swamp, fen

(1) **marsh** bird, (2) river-delta **marsh**

Environmentalists are concerned about the harm to the **marsh**.

amaze

v. to fill with wonder, surprise, or admiration

synonym: astound, surprise, stagger

(1) **amaze** and entertain visitors, (2) **amaze** everyone

The magician's tricks **amazed** the audience.

harmonic

adj. relating to the production of sound waves with a frequency that is an integral multiple of the frequency of the original wave; having a pleasing, pleasing, or agreeable sound.

synonym: melodic, balanced, harmonious

(1) **harmonic** oscillator, (2) a natural **harmonic** quality

The violin's sound was so pure and **harmonic** that it gave me chills.

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.

materialistic

adj. concerned primarily with material possessions rather than spiritual or intellectual values; adhering to a philosophy that places a high value on material goods or wealth

synonym: worldly, consumerist, acquisitive

(1) **materialistic** lifestyle, (2) **materialistic** values

Some people believe that the pursuit of wealth is a **materialistic** goal.

attempt

n. an act or effort of trying to do something, especially something difficult

synonym: endeavor, effort, try

(1) the **attempt** to rescue the hostages, (2) a reckless **attempt**

The third **attempt** was far more successful.

extraordinary

adj. exceptional, unexpected, very unusual; surpassing the ordinary or usual

synonym: exceptional, noteworthy, astonishing

(1) **extraordinary** ability, (2) **extraordinary** weather

He narrated the **extraordinary** story of his adventure.

harmony

n. the combination of simultaneous musical notes to produce a pleasing effect; an attractive combination of related things and their properties

synonym: balance, accord, congruence

(1) a **harmony** of colors, (2) break a **harmony**

We worked in perfect **harmony**.

physiology

n. the branch of the biological sciences dealing with the functioning of organisms

(1) human **physiology**, (2) **physiology** research

Physiology is the science of how living things work.

analogy

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

synonym: metaphor, comparison, parallel

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

Some kinds of machine learning models show an **analogy** to

how people learn.

circulation

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

synonym: flow, movement, dissemination

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

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

distribute

v. to give something to a large number of individuals, or to spread or furnish something

synonym: broadcast, disperse, hand out

(1) **distribute** wealth evenly, (2) **distribute** video content

His estate was **distributed** to his sons.

nurture

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

synonym: boost, cultivate, enable

(1) **nurture** love, (2) **nurture** his talents

Schools should **nurture** children's mutual interest spirit.

renew

v. to begin or resume something again after an interruption

synonym: renovate, restore, revitalize

(1) **renew** a contract, (2) **renew** its corporate image

I have to **renew** my passport by the middle of September.

similarly

adv. in almost the same way

synonym: also, likewise, ditto

(1) **similarly** situated, (2) have **similarly** great abilities

We argue that wages for temporary workers should **similarly** rise.

process

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

synonym : procedure, method, system

(1) **process** improvement, (2) decision-making **process**
The **process** for applying for a visa can be lengthy and complicated.

equator

n. an line of latitude that separates Earth's northern and southern hemispheres and has a radius of around 40,075 kilometers (24,901 miles)

(1) south of the **equator**, (2) above the **equator**
Ecuador is on the **equator**.

specifically

adv. only associated with or meant for one thing

synonym : especially, particularly, notably

(1) designed **specifically** for men, (2) for **specifically** American customers

This ad campaign is aimed **specifically** at young women.

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.

engine

n. a machine that converts thermal energy to mechanical work; something that has an important role used to achieve a purpose

synonym : motor, locomotive, driver

(1) a steam **engine**, (2) an air-cooled **engine**

The policies he announces can be the **engine** of economic growth in the country.

frantic

adj. marked by uncontrolled excitement or emotion; wild; frenzied

synonym : wild, frenzied, manic

(1) **frantic** pace, (2) with **frantic** haste

The mother was **frantic** as she searched for her lost child.

evaporation

n. the process of a liquid changing into a gas or vapor, often as a result of high temperatures or reduced pressure; the gradual disappearance or dissipation of something, such as money or resources

synonym: vaporization, dehydration, desiccation

(1) **evaporation** cooling, (2) slow **evaporation**

The formation of clouds is facilitated by the process of **evaporation** and condensation

vapor

n. a mass of tiny liquid drops in the air

synonym: condensation, dew, fog

(1) alcohol **vapor**, (2) water **vapor** in the atmosphere

Clouds form when water **vapor** rises to the upper atmosphere.

moist

adj. slightly wet, a state characterized by the presence of moisture or dampness

synonym: damp, humid, wet

(1) **moist** soil, (2) **moist** climate

My hands felt **moist** and sweaty during the exam.

resurgence

n. the return or growth of something after a period of decline or disappearance

synonym: revival, recovery, rejuvenation

(1) **resurgence** in popularity, (2) **resurgence** of exports

After years of decline, the city is experiencing a **resurgence** in economic growth.

phenomenon

n. something that exists and can be perceptible, especially one that is not fully understood

synonym: marvel, wonder, splendor

(1) natural **phenomenon**, (2) historical **phenomenon**

A rainbow is a natural **phenomenon**.

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**.

gush

v. to flow or pour out rapidly and in large quantities

synonym: jet, burst, flush

(1) **gush** about my love for sports, (2) **gush** out and won't stop

A supertanker continues to **gush** oil off the coast of Spain.

geyser

n. a natural hot spring that periodically ejects a column of boiling water and steam into the air; a device that produces a similar effect for decorative or practical purposes

synonym: hot spring, fumarole

(1) erupting **geyser**, (2) Yellowstone **geyser**

The **geyser's** hot water generates electricity for nearby towns and cities.

underground

adj. under the surface of the ground; a secret group organized to achieve a specific purpose, such as overthrowing the government or occupying a force

synonym: subterranean, subsurface, confidential

(1) water flowing **underground**, (2) **underground** activist

Having **underground** parking has been very beneficial throughout the winter.

magma

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

synonym: molten rock, lava, igneous rock

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

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

explode

v. to burst or break open violently and noisily; to cause something to burst or break open

synonym : detonate, blast, rupture

(1) **explode** in anger, (2) **explode** in popularity

The old building **exploded** in a fiery inferno.

transfer

v. to move, pass, or change from one person, place, or situation to another

synonym : move, relocate, shift

(1) **transfer** a file, (2) **transfer** power

She **transferred** the money from her savings account to her checking account.

elegance

n. the quality of being graceful and stylish in appearance or manner

synonym : grace, refinement, poise

(1) austere **elegance**, (2) natural **elegance**

The **elegance** of her dress was breathtaking.

enormous

adj. extremely large or great

synonym : huge, giant, gigantic

(1) **enormous** amount, (2) **enormous** potential

Shakespeare's output of poetry was **enormous**.

sophistication

n. the quality or state of having a great deal of worldly experience; the quality or state of being intellectually or culturally refined

synonym : refinement, culture, elegance

(1) cultural **sophistication**, (2) linguistic **sophistication**

The new technology added a level of **sophistication** to the manufacturing process.

sunlight

n. the light emitted by the sun; the rays of the sun

synonym : daylight, rays, sunshine

(1) a glare of **sunlight**, (2) in direct **sunlight**

Radiation from **sunlight** has a different wavelength.

transpire

v. to happen or be revealed
synonym: occur, happen, take place

(1) **transpire** as expected, (2) **transpire** in the news

It finally **transpired** that an employee had stolen the missing money.

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.

sweat

n. the salty liquid that is produced by the glands in the skin, especially when the body is hot or under stress
synonym: perspiration, steam, hardwork

(1) all in a **sweat**, (2) **sweat** bath

She wiped the **sweat** off her forehead with a towel.

incredible

adj. unbelievable; enormous
synonym: unbelievable, fantastical, inconceivable

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

Her response revealed **incredible** idiocy.

metric

adj. using or relating to the meter as a unit of length; a system of related measures that facilitates the quantification of some particular characteristic
synonym: metrical, measured

(1) **metric** units, (2) key performance **metrics**

In the **metric** system, measurements are made in meters and liters.

continent

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

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

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

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

dump

v. to deposit or dispose of something, such as trash, waste, etc., carelessly or hurriedly

synonym: throw away, dispose

(1) **dump** the gravel on the road, (2) **dump** hazardous waste

The company **dumped** him after several years of service.

Atlantic

adj. relating to or located near the Atlantic Ocean, which is the second-largest ocean on Earth, located between the continents of North and South America to the west and Europe and Africa to the east

(1) **Atlantic** breeze, (2) **Atlantic** salmon

The **Atlantic** hurricane season runs from June to November each year.

gigantic

adj. extremely large

synonym: huge, enormous, immense

(1) **gigantic** proportions, (2) **gigantic** monsters

He was so hungry from the long journey that he had a **gigantic** appetite.

kettle

n. a metal container with a lid and handle, used for boiling water or other liquids over a heat source, commonly used for making tea or cooking pasta or soup

synonym: pot, cauldron, timpani

(1) electric **kettle**, (2) whistle **kettle**

The **kettle** on the stove started to whistle, signaling that the water was boiling.

socket

n. a device in a wall into which a plug is inserted to connect electrical devices to a building's power source; a hollow into which a structure fits

synonym: hollow, cavity

(1) **socket** adapter, (2) an eye **socket**

We can connect this battery charger to any **socket**.

evaporate

v. to turn a liquid into a gas; to become less intense and disappear gradually

synonym: vaporize, disappear, vanish

(1) **evaporate** the water, (2) **evaporate** almost overnight

The sun will **evaporate** the mist.

hydroelectric

adj. relating to the generation of electricity from water power, usually by using turbines or generators powered by falling or flowing water; utilizing the energy of water to generate electricity

synonym: water-powered, turbine, dam-generated

(1) **hydroelectric** stations, (2) **hydroelectric** dam

The town decided to convert its power source to **hydroelectric** energy.

consume

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

synonym: absorb, ingest, use up

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

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

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.

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**.

relate

v. to establish a connection or association between two or more things; to narrate or tell about an event, experience, or relationship; to empathize or feel

sympathy with someone or something

synonym: connect, link, associate

(1) **relate** a story, (2) **relate** a message

He tried to **relate** his experience to the group, but they couldn't understand.

paradox

n. a statement, situation, or person that has two opposite facts or features and therefore seems impossible, is difficult to understand, or is strange;

synonym: incongruity, dichotomy, contradiction

(1) French **paradox**, (2) the **paradox** of the heap

There are many theories to explain this **paradox**.

zone

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

synonym: area, region, territory

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

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

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.

latitude

n. the distance of a place north or south of the earth's equator, measured in degrees; freedom from normal restraints in conduct

synonym: breadth, range, freedom

(1) high **latitudes**, (2) **latitude** of choice

The city is located at a **latitude** of 40 degrees north.

align

v. to put or arrange two or more things in a straight line or to form a straight line

synonym: coordinate, regulate, adjust

(1) **align** the economic interest of each other, (2) **align** with a historical trend

Both parties are now entirely ideologically **aligned**.

hemisphere

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

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

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

quadrangle

n. an open square or rectangular area surrounded by buildings or walls, often found in educational institutions, monasteries, or other large buildings; a plane figure with four sides and four angles

synonym: courtyard, square, quad

(1) **quadrangle** courtyard, (2) historic **quadrangle**

During winter, the **quadrangle** square becomes picturesque with snow-covered paths and trees.

suppose

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

synonym: guess, assume, presume

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

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

circulate

v. to move continuously or freely around a place or closed system

synonym: flow, disperse, rotate

(1) **circulate** a rumor, (2) **circulate** an agenda before the meeting

The fan **circulates** the air in the room quickly.

landscape

n. an expanse of scenery that can be seen in a single view; a large area of land, especially in the country and relating to its appearance

synonym: geography, terrain, topography

(1) a peaceful **landscape**, (2) **landscape** painting

Recent electoral shocks have shaken the political **landscape** in Europe.

vein

n. a blood vessel that carries blood from various parts of the body back to the heart; a mineral deposit or layer of rock that is contained within another rock formation

synonym : artery, blood vessel, capillary

(1) spider **vein**, (2) collapsed **vein**

The nurse inserted the needle into the **vein** in his arm to draw blood.

drain

v. to empty or dry something by removing the liquid from it

synonym : draw off, bleed

(1) **drain** water from the swamp, (2) **drain** excess liquid

Push the button and let the water **drain** away.

tissue

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

synonym : structure, texture, anatomy

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

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

artery

n. one of the thick tubes in humans and most other animals that takes blood away from the heart to one or more parts of the body such as tissues, lungs, brain, etc.

synonym : blood vessel, channel, roadway

(1) **artery** blockage, (2) risk of coronary **artery** disease

Continuous consumption of fatty foods leads to the hardening of the **artery**.

irrigate

v. to supply water to land to help plants grow

synonym : water, drench, soak

(1) **irrigate** fields, (2) **irrigate** the flowers and plants

The water shortage in the region has made it difficult for farmers to **irrigate** their crops.

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.

pump

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

synonym : drain, inject, send

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

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

economy

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

synonym : finance, trade, business

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

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

invisible

adj. impossible or nearly impossible to see

synonym : hidden, imperceptible, unseen

(1) an **invisible** asset, (2) **invisible** stars

The phenomenon is **invisible** at optical wavelengths.

Negro

n. ("Negro" is now considered out of date and offensive) a term that was once used to refer to people of African descent, especially those living in the United States

synonym : African American

(1) **Negro** literature, (2) American **Negro**

They developed **Negro** blues with a lively rhythm.

rough

adj. not quite exact or correct; having or caused by an irregular surface

synonym : inelegant, coarse, barbarian

(1) **rough** and tough, (2) **rough** estimation

The vehicle bounced along the **rough** mountain road.

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**.

humid

adj. having a high amount of moisture or water vapor in the air; damp; muggy

synonym : damp, muggy, moist

(1) **humid** climate, (2) uncomfortably **humid**

The air was so **humid** that my clothes felt damp.

struggle

v. to make a great effort to do something when it is difficult, or there are a lot of problems; to use force or violence to break away from restraint or constriction

synonym : toil, strive, compete

(1) **struggle** against discrimination, (2) **struggle** to get the job

He could not **struggle** against temptation.

discovery

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

synonym : finding, uncovering, detection

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

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

absolutely

adv. without restriction or limitation; completely or utterly

synonym : completely, utterly, definitely

(1) **absolutely** against, (2) **absolutely** obsessed with the

girl

I am **absolutely** opposed to his idea because of morality.

wealth

n. a large amount of money, property, or other things that someone or an organization owns

synonym: affluence, assets, fortunate

(1) majority of his **wealth**, (2) material **wealth**

The **wealth** inequality was unavoidable.

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.

symphony

n. a long musical composition in Western classical music for orchestra, usually with three or four main parts called movements

synonym: orchestra, harmony, concert

(1) a **symphony** orchestra, (2) a beautiful **symphony**

The frequent performances of the **symphony** prove its popularity.

emit

v. to give off or send out something such as light, heat, sound, gas, etc.

synonym: give off, radiate, expel

(1) **emit** a gamma ray, (2) **emit** air pollution

During the unloading, the container box **emits** a clicking sound.

condensation

n. the process by which water vapor in the air turns into a liquid when it comes into contact with a surface that is cooler than the air; the act of making something more concise or shorter

synonym: vaporization, evaporation, precipitation

(1) **condensation** nuclei, (2) **condensation** of ideas

The **condensation** on the window was a clear sign of the high humidity.

nucleus

n. the central and most important part of something; (biology) a part of the cell containing DNA and RNA and responsible for growth and reproduction; (physics) the very dense central region of an atom

synonym : core, heart, middle

(1) form a **nucleus**, (2) the **nucleus** of a team

DNA is stored in the **nucleus** of a cell.

torrent

n. a sudden and violent stream, as of water, lava, or mud

synonym : flood, deluge, downpour

(1) **torrent** of words, (2) stem a **torrent**

The rain fell in a **torrent**, flooding the streets in minutes.

sprinkler

n. a device that sprays water over a large area used especially for watering crops or gardens or for firefighting

synonym : sprayer, irrigation system

(1) road **sprinkler**, (2) **sprinkler** irrigation

The **sprinkler** system kept the lawn green and healthy.

relation

n. the way two persons or groups of people feel and act toward one another

synonym : association, linkage, connection

(1) **relation** between cause and effect, (2) **relation** of inclusion

The industrial **relations** laws were passed with little to no alteration.

ingenious

adj. showing inventiveness and ability or skill

synonym : creative, innovative, inventive

(1) **ingenious** device, (2) **ingenious** idea

I always look forward to reading his stories since they're so **ingenious**.

survival

n. the state of continuing to exist or live, frequently in the face of difficulty or danger

synonym : endurance, continuity

(1) **survival** ability, (2) **survival** food

He evaluated his chances for **survival** rather pessimistically.

function

n. the purpose or use of an object, system, or process; a particular activity or operation that is designed to serve a specific purpose; a mathematical concept that describes a relationship between two sets of values, called the input and output sets; (verb) to operate or work in a specific way, or to perform a particular task or purpose

synonym : purpose, mapping, job

(1) **function** properly, (2) immune **function**

The brain is an incredibly complex organ that controls the body's **function**.

liver

n. a large organ in the body, involved in many metabolic processes, such as detoxification of the organism, and the synthesis of proteins

(1) **liver** disease, (2) fatty **liver**

The patient will undergo **liver** transplant surgery tomorrow.

humidity

n. the amount of water vapor in the air, typically as a percentage of the maximum that the air could hold at that temperature

synonym : moisture, dampness, wetness

(1) uncomfortable **humidity**, (2) **humidity** sensor

The **humidity** in the tropical forest was so high that it was hard to breathe.

radiation

n. the energy that comes from a nuclear reaction in the form of rays, waves, or particles and that can be hazardous to health

synonym : dissemination, emission, irradiation

(1) exposure to **radiation**, (2) electromagnetic **radiation**

He tried every possible treatment, including chemotherapy

and **radiation** therapy.

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.

organic

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

synonym: biological

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

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

compound

n. an item composed of two or more distinct elements combined; a chemical formed by the combination of two or more elements

synonym: combination, mixture, blend

(1) aquatic **compound**, (2) harmful **compound**

Common salt is a sodium and chlorine **compound**.

exogenous

adj. originating or coming from outside; external to a system or organism; introduced or caused by factors or substances external to the body or system being referred to

synonym: external, foreign, alien

(1) **exogenous** variables, (2) **exogenous** shocks

The patient was given an **exogenous** supplement to boost their immune system.

vitamin

n. any of a group of organic compounds that are essential in small quantities to the diet and are present in natural foodstuffs or sometimes produced within the body

synonym: nutrient, micronutrient, dietary supplement

(1) rich in **vitamin** D, (2) **vitamin** deficiency

Vitamin C is important for immune system function and skin

health.

antioxidant

n. a substance that inhibits oxidation, especially one used to counteract the deterioration of stored food products

(1) high levels of **antioxidants**, (2) **antioxidant** behavior
Fruits and vegetables are good sources of **antioxidants**.

react

v. to take action in response to something

synonym: respond, reply, oppose

(1) **react** at a high temperature, (2) **react** against his way of thinking

How did he **react** to your idea?

pollutant

n. a substance or agent that pollutes or contaminates the environment, typically through release into the air, water, or soil

synonym: contaminant, toxic substance

(1) noxious **pollutant**, (2) water **pollutant**

The factory's use of chemicals has made it a significant **pollutant** in the area.

characteristic

n. a typical feature or quality that can identify, tell apart, or describe something or somebody

synonym: feature, quality, attribute

(1) stripes **characteristic** of the zebra, (2) my friend's **characteristic** laugh

Bananas have their **characteristic** taste and odor.

fractal

n. a complex geometric pattern or shape that repeats itself on smaller and smaller scales, often occurring in nature or mathematical equations

synonym: pattern, design, geometry

(1) **fractal** pattern, (2) **fractal** art

The coastline of Norway is one of the most famous examples of **fractal** geometry in nature.

comparison

n. the consideration or examination of the similarities between two or more people or things

synonym: equivalence, analogy, contrast

(1) ease of **comparison**, (2) **comparison** of foods on a caloric basis

I've included the two designs for a **comparison**.

airway

n. the air passage from the nose and throat to the lungs; a designated route followed by airplanes flying from one airport to another

synonym: air passage, air duct, skyway

(1) **airway** blockage, (2) **airway** beacon

When performing lifesaving, the first step is to secure the **airway**.

excess

n. an amount or quantity beyond what is acceptable, expected, or reasonable

synonym: exuberance, glut, surplus

(1) lose **excess** weight, (2) an **excess** of exports

The road of **excess** leads to the palace of wisdom.

rainfall

n. the amount of rain that falls in a specific location at a particular moment

synonym: downpour, drizzle, rain

(1) the mean annual **rainfall**, (2) heavy **rainfall**

These plants thrive in hot climates with abundant **rainfall**.

endocrine

adj. relating to the glands in the body that secrete hormones directly into the bloodstream to regulate bodily functions and processes

synonym: hormonal, glandular, secretory

(1) **endocrine** disorders, (2) **endocrine** cell

The **endocrine** system regulates many bodily functions, including metabolism and growth.

gland

n. a group of cells in an animal's body that produce substances needed by the body and release them

through ducts or directly into the bloodstream

synonym : secretor

(1) the function of the thyroid **gland**, (2) a mammary **gland**

The adrenal **glands** produce steroids.

hormone

n. a chemical substance made by organs that encourages or influences the development, growth, sex, etc., of an animal and is carried around the body in the blood

(1) **hormone** secretion, (2) female **hormone**

The doctor diagnosed me with a **hormone** disorder.

kidney

n. either of a pair of small organs in the body that filter waste products, especially urea, from the blood and excrete them and water in urine

(1) an artificial **kidney**, (2) chronic **kidney** disease

The surgeon removed the healthy **kidney** from the donor.

biology

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

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

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

moisture

n. small amounts of liquid, especially water, that are present in or absorbed by a substance

synonym : dampness, humidity, wetness

(1) **moisture** level, (2) lot of **moisture**

My hair looks greasy because there is too much **moisture** in the air.

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**.

opposition

n. the act of disagreeing or resisting; the state of strong disagreement

synonym : resistance, hostility, antagonism

(1) **opposition** campaign, (2) meet with **opposition**

The **opposition** party strongly disagreed with the government's proposed legislation.

reverse

v. to change something's direction, order, position, decision, etc., to the opposite one; (adjective) directed or moving toward the rear

synonym : overturn, shift, switch

(1) **reverse** the trend, (2) **reverse** the order

The restaurant **reversed** a ban on smoking.

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.

mighty

adj. very large, powerful, or strong

synonym : potent, powerful, robust

(1) **mighty** works, (2) struck a **mighty** blow

Only the **mighty** God has the power to brighten this dark land.

hurricane

n. a violent, tropical, cyclonic storm of the western North Atlantic, having wind speeds of or over 64 knots (74 miles per hour)

synonym : cyclone, typhoon, storm

(1) a **hurricane** of applause, (2) the ravages of a **hurricane**

The devastating **hurricane** caused widespread damage and left many people homeless.

accident

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

synonym: calamity, casualty, chance

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

The **accident** partially destroyed my vehicle.

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**.

develop

v. to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created

synonym: evolve, progress, advance

(1) **develop** a strategy, (2) **develop** a skill

We must **develop** a new system to streamline our workflow and increase efficiency.

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.

pristine

adj. new and completely free from dirt or contamination

synonym: chaste, pure, immaculate

(1) **pristine** beach, (2) maintain the **pristine** condition

It is terrific to camp in **pristine** nature.

mess

n. a state of confusion, dirtiness, or untidiness; (verb) to fail to do something or to make something dirty or untidy

synonym: disarray, confusion, predicament

(1) have a whole **mess**, (2) get into a **mess**
He made a frightful **mess** in his room.

propose

v. to make a proposal, declare a plan for something
synonym: suggest, offer, recommend

(1) **propose** the amendment, (2) **propose** changes
I want to **propose** a toast in honor of our longstanding relationship.

motto

n. a phrase or slogan that expresses a guiding principle or goal

synonym: slogan, catchphrase, phrase

(1) the **motto** for safe traffic, (2) company **motto**
The company's **motto** is "Innovation and Service," which is reflected in its products and customer support.

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.

rebuild

v. to build again or anew

synonym: reconstruct, renovate, restore

(1) **rebuild** a company, (2) **rebuild** communities
They are planning to **rebuild** the house after the fire.

ecosystem

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

(1) marine **ecosystem**, (2) change the **ecosystem**
Human conservation efforts often fail unexpectedly because they disturb the balance of the **ecosystem**.

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.

drought

n. a long period of time during which there is very little or no rain, leading to a shortage of water and often causing damage to crops and other vegetation

synonym : dryness, aridity, water shortage

(1) periods of **drought**, (2) **drought** conditions

The region has been experiencing a severe **drought**, leading to water shortages and crop failures.

attend

v. to be present at an event, to go to a place

synonym : go, be present, accompany

(1) **attend** a meeting, (2) **attend** service

We must **attend** to this matter.

declamation

n. the act or art of delivering a formal or rhetorical speech, often in a loud or theatrical manner; the act of reciting or delivering a speech or poem in a highly expressive and dramatic way

synonym : recitation, oration, speech

(1) eloquent **declamation**, (2) emotional **declamation**

The politician's powerful **declamation** energized the crowd and inspired action.

representative

n. someone who speaks or acts officially on behalf of another person or group of people

synonym : spokesperson, agent, delegate

(1) an official **representative**, (2) sales **representative**

The media **representatives** had special passes.

- doe** *n.* a mature female of mammals of which the male is called a buck, such as a deer or a rabbit
synonym : rabbit, bunny, hare
(1) **doe** rabbit, (2) buck and **doe**
Hunters use a whistle that makes the **doe** sound to lure stags.
- destroy** *v.* to ruin or damage severely or completely; to eradicate or eliminate completely
synonym : demolish, ruin, obliterate
(1) **destroy** the ecosystem, (2) **destroyed** evidence
The building was **destroyed** in the fire and had to be rebuilt.
- conclude** *v.* to come to an end or close; to reach a judgment or opinion by reasoning
synonym : complete, finish, decide
(1) **conclude** a meeting, (2) **conclude** that he is healthy
We **concluded** a cease-fire.
- critic** *n.* someone who expresses opinions about the quality of books, music, etc.
synonym : pundit, analyst, attacker
(1) art **critic**, (2) severe **critic**
Advocates for legal reform hear less harsh words from their **critics**.
- deforest** *v.* to clear an area of forest or trees
synonym : clear-cut, strip, denude
(1) **deforest** a mountain, (2) **deforest** millions of acres
The company planned to **deforest** a large rainforest area to make way for a new plantation.
- bug** *n.* any tiny insect; a fault or defect in a computer program, system, or machine
synonym : insect, bacterium, microbe
(1) **bug** bites, (2) number of **bug** fixes

I found a stink **bug** crawling across the ceiling.

befuddle

v. to confuse someone, making them unable to think clearly or understand something

synonym: perplex, confuse, bewilder

(1) **befuddle** the audience, (2) **befuddle** the mind

The complex instructions **befuddled** me, and I had trouble deciding what to do next.

spirit

n. the part of a person which is the seat of their mind, feelings, and character rather than their physical body; the general atmosphere of a place or situation and the effect that it has on people

synonym: soul, attitude, enthusiasm

(1) **spirit** and the letter of the law, (2) an indomitable **spirit**

Despite their tragic loss, the family is showing great **spirit**.

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.

ignorance

n. lack of knowledge or information about a particular subject or fact

synonym: unintelligence, inexperience, unawareness

(1) **ignorance** of the law, (2) **ignorance** is bliss

His **ignorance** of the situation led him to make a poor decision.

astronomer

n. a physicist who studies astronomy

synonym: stargazer, cosmologist, astrophysicist

(1) amateur **astronomer**, (2) solar **astronomer**

This question has fascinated solar **astronomers** for decades.

telescope

n. a device like a tube in shape containing lenses used to magnify and observe distant objects

(1) a binocular **telescope**, (2) look through a **telescope**

This facility has the largest astronomical **telescope** in the country.

upside

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

synonym : advantage, benefit, top

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

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

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.

practical

adj. of or connected with actual use or real situation rather than with theory and ideas

synonym : applicable, functional, realistic

(1) **practical** English, (2) gain **practical** experience

Her concept is highly **practical** and helpful.

cosmos

n. another name for the universe, mainly used when it is thought of as an ordered system

synonym : universe, macrocosm

(1) exploration of **cosmos**, (2) origin of the **cosmos**

Supercomputers enable scientists to create computational models of the **cosmos**.

ignorant

adj. lacking knowledge or awareness in general; uneducated or unsophisticated; unaware of certain facts or information

synonym : uninformed, uneducated, unaware

(1) **ignorant** remark, (2) blissfully **ignorant**

He was **ignorant** of the fact that the meeting had been moved to a different location.

trample

v. to step heavily on something or someone, causing damage or injury

synonym: tread, stomp, crush

(1) **trample** down his feelings, (2) **trample** on the rights

The plants in this garden are precious, so you must not **trample** them.

shelter

n. a structure built to protect from poor weather, danger, or attack; (verb) to protect or shield from harm or adversity, particularly relating to environmental conditions or danger

synonym: refuge, hideout, lair

(1) rainproof **shelter**, (2) anti-air raid **shelter**

They need food and **shelter**.

astrophysics

n. the branch of physics concerned with the study of the properties and behavior of celestial objects and the physical processes that govern the behavior and evolution of the universe

(1) **astrophysics** research, (2) neutrino **astrophysics**

He was studying **astrophysics** in an attempt to understand the origins of the universe.

statistics

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

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

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

improbable

adj. not likely to happen or be true; unlikely; having a low probability or chance of occurring

synonym: unlikely, doubtful, implausible

(1) **improbable** story, (2) **improbable** event

It is **improbable** that we will find a solution to this problem overnight.

stability

n. the quality or attribute of being firm and steadfast
synonym : resilience, solidity, steadiness

(1) **stability** pact, (2) fiscal **stability** pact

The policy should increase the country's monetary **stability**.

comfort

n. a state of physical ease and freedom from pain or constraint

synonym : ease, solace, coziness

(1) words of **comfort**, (2) **comfort** level

He found **comfort** in the warm embrace of his loved ones.

typhoon

n. a tropical storm with strong winds and heavy rain, typically occurring in the western Pacific Ocean

synonym : cyclone, hurricane, storm

(1) super **typhoon**, (2) **typhoon** season

Many families were forced to evacuate their homes due to the **typhoon's** severity.

dive

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

synonym : dip, leap, plunge

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

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

educated

adj. having received a high standard of education

synonym : knowledgeable, erudite, enlightened

(1) **educated** adult, (2) **educated** speech

Excellent speech is a characteristic of an **educated** man.

ancestral

adj. related to or connected with members of your family from the past

synonym : hereditary, inherited, patrimonial

(1) an **ancestral** graveyard, (2) **ancestral** roots

The **ancestral** home has been in the family for generations.

valuation

n. an estimation of the worth or value of something

synonym :

assessment, appraisal, estimation

(1) **valuation** report, (2) high **valuation**

The **valuation** of the company was estimated to be billions of dollars.

doubt

n. a feeling of being uncertain about something, especially about how good or accurate it is

synonym: distrust, suspect, mistrust

(1) dispel **doubts**, (2) no **doubt** about the news

Doubt is the start, not the end, of intelligence.

reverence

n. a feeling or expression of deep respect, reverence, or admiration for someone or something, often associated with religious or spiritual devotion

synonym: adoration, reverence, respect

(1) show **reverence**, (2) cultural **reverence**

The religious ceremony was filled with **reverence** for the deity.

reverence

n. a deep respect for someone or something

synonym: respect, honor, awe

(1) **reverence** for tradition, (2) pay **reverence** to him

The people of the village showed great **reverence** for the elderly.

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.

span

n. the entire length of something, such as time or space from beginning to end; the amount of space that something covers

synonym: interval, period, length

(1) the **span** of a bird's wings, (2) the average life **span**

He slightly modified the **span** of training because it was just before a match.

inferno

n. a place or condition of intense suffering, especially Hell, in traditional Christian beliefs

synonym: hell, fiery pit, furnace

(1) a raging **inferno**, (2) devastating **inferno**

The building was consumed by an **inferno**, reducing it to ashes.

bush

n. a plant growing thickly with many small branches and several stiff stems coming up from the root

synonym: copse, scrub, brushwood

(1) trees and **bushes**, (2) a **bush** of hair

I am going to trim this **bush** off.

insect

n. any small creature that has six legs and a body divided into three sections

(1) **insect** antenna, (2) **insect** biology

These **insects** are more prevalent above a certain latitude.

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.

bacteria

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

synonym: microorganism, microbe

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

Bacteria prevalent in hospitals are often resistant to

antibiotics.

galaxy

n. an independent group of stars, interstellar gas, dark matter, etc., in the universe, bound together by gravity

synonym: star cluster, nebula, star system

(1) elliptic **galaxy**, (2) a **galaxy** of famous actors

The Milky Way **galaxy** has numerous water-bearing planets.

morpho

n. a genus of butterflies belonging to the family Nymphalidae, known for their vibrant blue wings, primarily found in Central and South America

synonym: butterfly

(1) **morpho** blue, (2) **morpho** wings

The **morpho** butterfly is known for its vibrant blue wings.

butterfly

n. a diurnal insect typically has a slender body with knobbed antennae and broad, colorful wings

(1) **butterfly** effect, (2) the life cycle of a **butterfly**

He enjoys collecting **butterfly** specimens.

heaven

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

synonym: paradise, nirvana, utopia

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

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

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.

technological

adj. based on scientific and industrial progress

synonym: specialized, technical

(1) **technological** advancement, (2) **technological** policy
Technological advances have disrupted many industries.

arrogant

adj. having or revealing an exaggerated sense of one's importance or abilities

synonym : haughty, supercilious, disdainful

(1) an **arrogant** attitude, (2) grow **arrogant**

He was so **arrogant** that he thought he was always right.

deprive

v. to take away something from someone

synonym : deny, take away, divest

(1) **deprive** others of profit, (2) **deprive** him of his status

He was **deprived** of his freedom when sentenced to life in prison.

robotic

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

synonym : automated, mechanical, laborsaving

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

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

competence

n. the ability to do something well or efficiently; the knowledge, skill, and ability required to perform a task or job effectively

synonym : ability, proficiency, skill

(1) **competence** evaluation, (2) proven **competence**

The company is looking for candidates with the necessary **competence** and skills.

possibility

n. a chance that something may happen or be true

synonym : chance, prospect, likelihood

(1) **possibility** for growth, (2) **possibility** of a major earthquake

The **possibility** of getting the disease will drastically

increase.

survive

v. to live or exist despite a dangerous event or period

synonym : endure, persist, stay

(1) **survive** a blizzard, (2) **survive** a plane crash

These birds can only **survive** in temperate climates.

zoom

v. to move along very quickly; (noun) the act of rising upward into the air

synonym : move quickly, dive, buzz

(1) **zoom** in on a photo, (2) **zoom** lens

He **zoomed** back in time to the soccer game.

architecture

n. the art and science of designing and constructing buildings

synonym : design, structure, layout

(1) **architecture** design, (2) classic **architecture**

The city is known for its impressive **architecture** and beautiful old buildings.

humiliate

v. to cause someone to feel ashamed, embarrassed, or degraded, especially in public or through revealing personal information

synonym : shame, embarrass, degrade

(1) **humiliate** him publicly, (2) **humiliate** the heckler in the audience

The boss **humiliated** her employee by belittling her in front of her colleagues.

architect

n. a person whose job is to design plans to be used in making something, such as buildings

synonym : creator, designer, planner

(1) landscape **architect**, (2) **architect** of the peace accord

The building **architect** tried to build the house above the tree.

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.

photon

n. a unit or quantum of electromagnetic energy, typically regarded as a particle that is the basic constituent of all light and other forms of electromagnetic radiation

synonym: particle, quantum, light

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

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

crystal

n. a solid material with many even sides that is formed naturally when the substance becomes solid and has a highly regular atomic structure; clear and colorless glass made of almost pure silica

synonym: quartz

(1) liquid **crystal**, (2) **crystal** analyses

A vast **crystal** chandelier glittered brightly above us.

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**.

monitor

v. to observe, check, and track the progress or quality of something over a period of time

synonym: proctor, check, observe

(1) **monitor** an exam, (2) **monitor** the data carefully

They used a special receiver to **monitor** police radio channels.

optical

adj. of or relating to or light or the ability to see; (noun) the science of light and vision, and to instruments and techniques used in the study and application of light

synonym : visual, ocular

(1) new **optical** glasses, (2) **optical** fiber

The **optical** illusion made it appear like the building was floating in midair.

fiber

n. thread or filament used to make a vegetable tissue, mineral material, or textile

synonym : yarn, thread, wool

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

We must consume dietary **fiber** to maintain good health.

transmit

v. to send or forward an electronic signal; to pass something from one person or thing to another

synonym : convey, share, dispatch

(1) **transmit** the disease, (2) **transmit** information

Parents often **transmit** their characteristics to their children.

biomimetics

n. the study of natural systems and structures to create new technologies or improve existing ones

(1) **biomimetics** research, (2) **biomimetics** technology

The aircraft's design was inspired by **biomimetics** principles, which allowed for improved aerodynamics and reduced fuel consumption.

wrap

v. to cover or enclose something entirely with paper, cloth, or other material

synonym : surround, cover, bandage

(1) **wrap** a fish in foil, (2) **wrap** up a meeting

Wrap the bandage tightly around the injured arm.

micron

n. a unit of measurement equal to one-millionth of a meter, used for measuring the size of particles and microorganisms

synonym : micrometer

(1) **micron** measurements, (2) **micron** imaging
The width of a single human hair is around 100 **microns**.

internal

adj. of or relating to the inside of something

synonym: interior, inner, domestic

(1) **internal** organs, (2) the **internal** economy

The prime minister canceled visits to other countries to resolve **internal** disputes.

trillion

n. the number 1,000,000,000,000; a million million

(1) **trillion** cubic feet, (2) many **trillions** of dollars

One light year is nearly 6 **trillion** miles.

well-being

n. the state of being happy and healthy and prosperous

synonym: health, welfare, happiness

(1) the **well-being** of a nation, (2) a sense of **well-being**

We are responsible for the care and **well-being** of all our employees.

Session 2: Spelling

1. At____ic breeze *adj.* relating to or located near the Atlantic Ocean, which is the second-largest ocean on Earth, located between the continents of North and South America to the west and Europe and Africa to the east
2. an official rep_____ive *n.* someone who speaks or acts officially on behalf of another person or group of people
3. earliest human an____or *n.* a person from whom one is descended; a forefather
4. an air-cooled en____e *n.* a machine that converts thermal energy to mechanical work; something that has an important role used to achieve a purpose
5. hu_____te him publicly *v.* to cause someone to feel ashamed, embarrassed, or degraded, especially in public or through revealing personal information
6. cause an ac____nt *n.* an unfortunate event, especially one causing damage or injury
7. art cr____c *n.* someone who expresses opinions about the quality of books, music, etc.
8. have si_____ly great abilities *adv.* in almost the same way
9. or____c soils *adj.* of or derived from biological substance; producing plants and animals for food and other items without the use of synthetic chemicals

ANSWERS: 1. Atlantic, 2. representative, 3. ancestor, 4. engine, 5. humiliate, 6. accident, 7. critic, 8. similarly, 9. organic

10. mo____r the data carefully *v.* to observe, check, and track the progress or quality of something over a period of time
11. evolutionary bi____y *n.* the scientific study of life and the natural processes of living things
12. still vi__d in my memory *adj.* producing very clear, powerful, and detailed images in the mind
13. racial or____n *n.* the first existence or beginning of something
14. have a whole m__s *n.* a state of confusion, dirtiness, or untidiness; (verb) to fail to do something or to make something dirty or untidy
15. bio____cs technology *n.* the study of natural systems and structures to create new technologies or improve existing ones
16. cr____re of habit *n.* a living being, especially an animal
17. a ha____y of colors *n.* the combination of simultaneous musical notes to produce a pleasing effect; an attractive combination of related things and their properties
18. eloquent dec____on *n.* the act or art of delivering a formal or rhetorical speech, often in a loud or theatrical manner; the act of reciting or delivering a speech or poem in a highly expressive and dramatic way
19. stem a to____t *n.* a sudden and violent stream, as of water, lava, or mud
20. z__m lens *v.* to move along very quickly; (noun) the act of rising upward into the air

ANSWERS: 10. monitor, 11. biology, 12. vivid, 13. origin, 14. mess, 15. biomimetics, 16. creature, 17. harmony, 18. declamation, 19. torrent, 20. zoom

21. lose ex___s weight *n.* an amount or quantity beyond what is acceptable, expected, or reasonable
22. fatty li__r *n.* a large organ in the body, involved in many metabolic processes, such as detoxification of the organism, and the synthesis of proteins
23. risk of coronary ar___y disease *n.* one of the thick tubes in humans and most other animals that takes blood away from the heart to one or more parts of the body such as tissues, lungs, brain, etc.
24. within my k_n *n.* knowledge, perception, understanding, or range of sight; (verb) to be aware of or know
25. liquid cr_____l *n.* a solid material with many even sides that is formed naturally when the substance becomes solid and has a highly regular atomic structure; clear and colorless glass made of almost pure silica
26. harmful co_____nd *n.* an item composed of two or more distinct elements combined; a chemical formed by the combination of two or more elements
27. d_e rabbit *n.* a mature female of mammals of which the male is called a buck, such as a deer or a rabbit
28. mat_____tic values *adj.* concerned primarily with material possessions rather than spiritual or intellectual values; adhering to a philosophy that places a high value on material goods or wealth

ANSWERS: 21. excess, 22. liver, 23. artery, 24. ken, 25. crystal, 26. compound, 27. doe, 28. materialistic

29. a sense of wel_____ng *n.* the state of being happy and healthy and prosperous
30. synthetic fi__r *n.* thread or filament used to make a vegetable tissue, mineral material, or textile
31. blissfully ig_____nt *adj.* lacking knowledge or awareness in general; uneducated or unsophisticated; unaware of certain facts or information
32. phi_____hy of education *n.* the study of general and fundamental questions, such as those about existence, reason, knowledge, values, mind
33. change the ec_____em *n.* all the plants and living creatures in an area and the way they affect each other and the environment
34. ed_____ed adult *adj.* having received a high standard of education
35. trees and b__hes *n.* a plant growing thickly with many small branches and several stiff stems coming up from the root
36. und_____nd activist *adj.* under the surface of the ground; a secret group organized to achieve a specific purpose, such as overthrowing the government or occupying a force
37. loss of muscle ti___e *n.* an ensemble of similar cells of the animal or plant that together carry out a specific function
38. de_____p a skill *v.* to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created

ANSWERS: 29. well-being, 30. fiber, 31. ignorant, 32. philosophy, 33. ecosystem, 34. educated, 35. bush, 36. underground, 37. tissue, 38. develop

39. re_____e the trend *v.* to change something's direction, order, position, decision, etc., to the opposite one; (adjective) directed or moving toward the rear
40. ex_____us variables *adj.* originating or coming from outside; external to a system or organism; introduced or caused by factors or substances external to the body or system being referred to
41. 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
42. mo_____re level *n.* small amounts of liquid, especially water, that are present in or absorbed by a substance
43. ci_____te a rumor *v.* to move continuously or freely around a place or closed system
44. spider v____n *n.* a blood vessel that carries blood from various parts of the body back to the heart; a mineral deposit or layer of rock that is contained within another rock formation
45. pos_____ty for growth *n.* a chance that something may happen or be true
46. a convivial atm_____re *n.* the mass of air that surrounds the Earth; the pervading tone or mood of a place, situation, or creative work
47. arouse con_____sy *n.* a lot of discussion and argument about something, often involving strong feelings of anger or disapproval

ANSWERS: 39. reverse, 40. exogenous, 41. structure, 42. moisture, 43. circulate, 44. vein, 45. possibility, 46. atmosphere, 47. controversy

48. tec_____cal advancement *adj.* based on scientific and industrial progress
49. draw an_____y *n.* a comparison between similar things that have similar aspects, often used to help explain a principle or concept
50. co_____t level *n.* a state of physical ease and freedom from pain or constraint
51. ex_____ge a few friendly words *v.* to give something and receive something else in return, often with the implication that the items being traded are of equal or comparable value; (noun) the act of giving or taking something in return for something else; a place or system where goods or services can be bought, sold, or traded
52. natural el_____ce *n.* the quality of being graceful and stylish in appearance or manner
53. e__t a gamma ray *v.* to give off or send out something such as light, heat, sound, gas, etc.
54. Yellowstone ge____r *n.* a natural hot spring that periodically ejects a column of boiling water and steam into the air; a device that produces a similar effect for decorative or practical purposes
55. cognitive com_____ty *n.* the state or quality of being complicated or intricate and difficult to understand
56. k_n of the person *n.* knowledge, perception, understanding, or range of sight; (verb) to be aware of or know

ANSWERS: 48. technological, 49. analogy, 50. comfort, 51. exchange, 52. elegance, 53. emit, 54. geyser, 55. complexity, 56. ken

57. high la____des *n.* the distance of a place north or south of the earth's equator, measured in degrees; freedom from normal restraints in conduct
58. 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
59. tec_____cal policy *adj.* based on scientific and industrial progress
60. access to public tr____rt *n.* a system for moving people or products from one location to another using automobiles, roads, and so on
61. ed____ed speech *adj.* having received a high standard of education
62. at____d service *v.* to be present at an event, to go to a place
63. b_g bites *n.* any tiny insect; a fault or defect in a computer program, system, or machine
64. fiscal st____ty pact *n.* the quality or attribute of being firm and steadfast
65. lymphatic cir_____on *n.* the movement of blood through the body or of a fluid through a system; the number of copies of a newspaper or magazine that are sold
66. abs_____ly against *adv.* without restriction or limitation; completely or utterly
67. ro__h estimation *adj.* not quite exact or correct; having or caused by an irregular surface

ANSWERS: 57. latitude, 58. pulse, 59. technological, 60. transport, 61. educated, 62. attend, 63. bug, 64. stability, 65. circulation, 66. absolutely, 67. rough

68. en____us potential *adj.* extremely large or great
69. com_____on of foods on a caloric basis *n.* the consideration or examination of the similarities between two or more people or things
70. material we____h *n.* a large amount of money, property, or other things that someone or an organization owns
71. re____e a message *v.* to establish a connection or association between two or more things; to narrate or tell about an event, experience, or relationship; to empathize or feel sympathy with someone or something
72. fu_____on properly *n.* the purpose or use of an object, system, or process; a particular activity or operation that is designed to serve a specific purpose; a mathematical concept that describes a relationship between two sets of values, called the input and output sets; (verb) to operate or work in a specific way, or to perform a particular task or purpose
73. mo____o wings *n.* a genus of butterflies belonging to the family Nymphalidae, known for their vibrant blue wings, primarily found in Central and South America
74. op_____ne occasion *adj.* suitable or happening at a time that is suitable or convenient for a particular purpose
75. a raging in____o *n.* a place or condition of intense suffering, especially Hell, in traditional Christian beliefs

ANSWERS: 68. enormous, 69. comparison, 70. wealth, 71. relate, 72. function, 73. morpho, 74. opportune, 75. inferno

76. al__n the economic interest of each other *v.* to put or arrange two or more things in a straight line or to form a straight line
77. de____yed evidence *v.* to ruin or damage severely or completely; to eradicate or eliminate completely
78. am__e and entertain visitors *v.* to fill with wonder, surprise, or admiration
79. op____l fiber *adj.* of or relating to or light or the ability to see; (noun) the science of light and vision, and to instruments and techniques used in the study and application of light
80. de____y the ecosystem *v.* to ruin or damage severely or completely; to eradicate or eliminate completely
81. market up____e *n.* the positive aspect or potential of something; the upper side of something
82. periods of dr____t *n.* a long period of time during which there is very little or no rain, leading to a shortage of water and often causing damage to crops and other vegetation
83. 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
84. dr__n water from the swamp *v.* to empty or dry something by removing the liquid from it
85. re____e CO2 into the air *v.* to set free or allow to escape from confinement

ANSWERS: 76. align, 77. destroy, 78. amaze, 79. optical, 80. destroy, 81. upside, 82. drought, 83. planet, 84. drain, 85. release

86. mo_____r an exam
v. to observe, check, and track the progress or quality of something over a period of time
87. con_____ion nuclei
n. the process by which water vapor in the air turns into a liquid when it comes into contact with a surface that is cooler than the air; the act of making something more concise or shorter
88. an in_____le asset
adj. impossible or nearly impossible to see
89. source of ins_____on
n. something that motivates or encourages someone to create or achieve something, or a feeling of excitement or creativity
90. co_____e electricity
v. to spend something, especially fuel, energy, or time, in a large amount
91. d__e into anime communities
v. to jump into the water with your head and arms going in first, or to move down to a deeper level underwater
92. ro_____c guide operation
adj. of or relating to mechanical robots; (robotics) the interdisciplinary branch of computer science and engineering with the practical use of robots
93. water po_____nt
n. a substance or agent that pollutes or contaminates the environment, typically through release into the air, water, or soil
94. a beautiful sy_____ny
n. a long musical composition in Western classical music for orchestra, usually with three or four main parts called movements

ANSWERS: 86. monitor, 87. condensation, 88. invisible, 89. inspiration, 90. consume, 91. dive, 92. robotic, 93. pollutant, 94. symphony

95. historic qua_____le *n.* an open square or rectangular area surrounded by buildings or walls, often found in educational institutions, monasteries, or other large buildings; a plane figure with four sides and four angles
96. a peaceful la_____pe *n.* an expanse of scenery that can be seen in a single view; a large area of land, especially in the country and relating to its appearance
97. the nu_____s of a team *n.* the central and most important part of something; (biology) a part of the cell containing DNA and RNA and responsible for growth and reproduction; (physics) the very dense central region of an atom
98. whistle ke_____e *n.* a metal container with a lid and handle, used for boiling water or other liquids over a heat source, commonly used for making tea or cooking pasta or soup
99. mi_____y works *adj.* very large, powerful, or strong
100. fr_____c pace *adj.* marked by uncontrolled excitement or emotion; wild; frenzied
101. majority of his we_____h *n.* a large amount of money, property, or other things that someone or an organization owns
102. p__p a secret out of success *v.* to cause water, air, gas, etc. to move from one place to another by using mechanical equipment; to get or supply something such as money, information, etc. in significant quantities

ANSWERS: 95. quadrangle, 96. landscape, 97. nucleus, 98. kettle, 99. mighty, 100. frantic, 101. wealth, 102. pump

103. marine ec_____em *n.* all the plants and living creatures in an area and the way they affect each other and the environment
104. from the cr___e to the grave *n.* a small bed for an infant, often designed to rock back and forth; a place or region where something begins or originates
105. terrestrial bi_____re *n.* the part of the Earth and its atmosphere in which living organisms exist, including plants, animals, and microorganisms
106. mo__t soil *adj.* slightly wet, a state characterized by the presence of moisture or dampness
107. co_____e augmented reality *v.* to join or merge to form a single thing or group
108. a ga___y of famous actors *n.* an independent group of stars, interstellar gas, dark matter, etc., in the universe, bound together by gravity
109. ex_____us shocks *adj.* originating or coming from outside; external to a system or organism; introduced or caused by factors or substances external to the body or system being referred to
110. water flowing und_____nd *adj.* under the surface of the ground; a secret group organized to achieve a specific purpose, such as overthrowing the government or occupying a force
111. su_____e a blizzard *v.* to live or exist despite a dangerous event or period
112. 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

ANSWERS: 103. ecosystem, 104. cradle, 105. biosphere, 106. moist, 107. combine, 108. galaxy, 109. exogenous, 110. underground, 111. survive, 112. planet

113. the ravages of a hu_____ne *n.* a violent, tropical, cyclonic storm of the western North Atlantic, having wind speeds of or over 64 knots (74 miles per hour)
114. chaotic env_____nt *n.* the natural world such as air, water, and land in which humans, animals, and plants live
115. vi__l for a healthy society *adj.* necessary for the success or continued existence of something
116. sto_____se supplies *n.* a large building or room used for storing goods
117. tr_____rt facilities *n.* a system for moving people or products from one location to another using automobiles, roads, and so on
118. ph___n energy *n.* a unit or quantum of electromagnetic energy, typically regarded as a particle that is the basic constituent of all light and other forms of electromagnetic radiation
119. si_____ly situated *adv.* in almost the same way
120. look through a te_____pe *n.* a device like a tube in shape containing lenses used to magnify and observe distant objects
121. form a nu_____s *n.* the central and most important part of something; (biology) a part of the cell containing DNA and RNA and responsible for growth and reproduction; (physics) the very dense central region of an atom

ANSWERS: 113. hurricane, 114. environment, 115. vital, 116. storehouse, 117. transport, 118. photon, 119. similarly, 120. telescope, 121. nucleus

122. de____p a strategy *v.* to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created
123. al__n with a historical trend *v.* to put or arrange two or more things in a straight line or to form a straight line
124. re__t against his way of thinking *v.* to take action in response to something
125. aquatic co____nd *n.* an item composed of two or more distinct elements combined; a chemical formed by the combination of two or more elements
126. 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
127. hu__d climate *adj.* having a high amount of moisture or water vapor in the air; damp; muggy
128. 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
129. grow ar____nt *adj.* having or revealing an exaggerated sense of one's importance or abilities
130. official sta____cs *n.* the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data

ANSWERS: 122. develop, 123. align, 124. react, 125. compound, 126. fungus, 127. humid, 128. introduction, 129. arrogant, 130. statistics

131. cell and molecular bi_____y *n.* the scientific study of life and the natural processes of living things
132. hyd_____ric stations *adj.* relating to the generation of electricity from water power, usually by using turbines or generators powered by falling or flowing water; utilizing the energy of water to generate electricity
133. ai____y beacon *n.* the air passage from the nose and throat to the lungs; a designated route followed by airplanes flying from one airport to another
134. landscape ar_____ct *n.* a person whose job is to design plans to be used in making something, such as buildings
135. a reckless at_____t *n.* an act or effort of trying to do something, especially something difficult
136. hu_____ty sensor *n.* the amount of water vapor in the air, typically as a percentage of the maximum that the air could hold at that temperature
137. devastating in_____o *n.* a place or condition of intense suffering, especially Hell, in traditional Christian beliefs
138. z__m in on a photo *v.* to move along very quickly; (noun) the act of rising upward into the air
139. a cold cl_____e *n.* the weather in a particular location averaged over some long period
140. volcanic ma__a *n.* molten rock that is located beneath the earth's surface and can solidify to form igneous rock

ANSWERS: 131. biology, 132. hydroelectric, 133. airway, 134. architect, 135. attempt, 136. humidity, 137. inferno, 138. zoom, 139. climate, 140. magma

141. ty_____n season *n.* a tropical storm with strong winds and heavy rain, typically occurring in the western Pacific Ocean
142. de_____e others of profit *v.* to take away something from someone
143. nu_____e love *v.* to take care of, feed, and protect someone or something while they are growing and developing
144. American Ne__o *n.* ("Negro" is now considered out of date and offensive) a term that was once used to refer to people of African descent, especially those living in the United States
145. ev_____te almost overnight *v.* to turn a liquid into a gas; to become less intense and disappear gradually
146. key performance me___cs *adj.* using or relating to the meter as a unit of length; a system of related measures that facilitates the quantification of some particular characteristic
147. high levels of ant_____nts *n.* a substance that inhibits oxidation, especially one used to counteract the deterioration of stored food products
148. pathogenic ba_____ia *n.* single-celled or noncellular spherical or spiral or rod-shaped organisms that exist in large numbers in the air, water, and soil, and also in living and dead creatures and plants, and are often a cause of disease
149. emotional dec_____on *n.* the act or art of delivering a formal or rhetorical speech, often in a loud or theatrical manner; the act of reciting or delivering a speech or poem in a highly expressive and dramatic way

ANSWERS: 141. typhoon, 142. deprive, 143. nurture, 144. Negro, 145. evaporate, 146. metric, 147. antioxidant, 148. bacteria, 149. declamation

150. en_____us amount *adj.* extremely large or great
151. amateur ast_____er *n.* a physicist who studies astronomy
152. imp_____le story *adj.* not likely to happen or be true; unlikely; having a low probability or chance of occurring
153. sw__t bath *n.* the salty liquid that is produced by the glands in the skin, especially when the body is hot or under stress
154. play a vi__l role *adj.* necessary for the success or continued existence of something
155. with fr_____c haste *adj.* marked by uncontrolled excitement or emotion; wild; frenzied
156. least me_____le song *adj.* worth remembering or likely to be remembered, especially because of being very important or remarkable
157. eva_____on cooling *n.* the process of a liquid changing into a gas or vapor, often as a result of high temperatures or reduced pressure; the gradual disappearance or dissipation of something, such as money or resources
158. am__e everyone *v.* to fill with wonder, surprise, or admiration
159. hu_____te the heckler in the audience *v.* to cause someone to feel ashamed, embarrassed, or degraded, especially in public or through revealing personal information
160. en_____ne cell *adj.* relating to the glands in the body that secrete hormones directly into the bloodstream to regulate bodily functions and processes

ANSWERS: 150. enormous, 151. astronomer, 152. improbable, 153. sweat, 154. vital, 155. frantic, 156. memorable, 157. evaporation, 158. amaze, 159. humiliate, 160. endocrine

161. super ty_____n *n.* a tropical storm with strong winds and heavy rain, typically occurring in the western Pacific Ocean
162. ha_____ic oscillator *adj.* relating to the production of sound waves with a frequency that is an integral multiple of the frequency of the original wave; having a pleasing, pleasing, or agreeable sound.
163. phy_____gy research *n.* the branch of the biological sciences dealing with the functioning of organisms
164. en_____ne disorders *adj.* relating to the glands in the body that secrete hormones directly into the bloodstream to regulate bodily functions and processes
165. an ex_____s of exports *n.* an amount or quantity beyond what is acceptable, expected, or reasonable
166. a hu_____ne of applause *n.* a violent, tropical, cyclonic storm of the western North Atlantic, having wind speeds of or over 64 knots (74 miles per hour)
167. d__e off a cliff *v.* to jump into the water with your head and arms going in first, or to move down to a deeper level underwater
168. eat or_____c food *adj.* of or derived from biological substance; producing plants and animals for food and other items without the use of synthetic chemicals
169. French pa_____x *n.* a statement, situation, or person that has two opposite facts or features and therefore seems impossible, is difficult to understand, or is strange;

ANSWERS: 161. typhoon, 162. harmonic, 163. physiology, 164. endocrine, 165. excess, 166. hurricane, 167. dive, 168. organic, 169. paradox

170. my friend's cha_____tic laugh *n.* a typical feature or quality that can identify, tell apart, or describe something or somebody
171. hyd_____ric dam *adj.* relating to the generation of electricity from water power, usually by using turbines or generators powered by falling or flowing water; utilizing the energy of water to generate electricity
172. re__w its corporate image *v.* to begin or resume something again after an interruption
173. sop_____ted look *adj.* having a great deal of worldly experience and knowledge of people's behavior, culture, and fashion
174. ma_____e amounts *adj.* enormous amount; very heavy and solid
175. in_____e a feeling of curiosity *v.* to make somebody fill with the desire, confidence, or enthusiasm, especially to do something creative
176. ma_____e stars *adj.* enormous amount; very heavy and solid
177. classic arc _____ure *n.* the art and science of designing and constructing buildings
178. cr_____e of civilization *n.* a small bed for an infant, often designed to rock back and forth; a place or region where something begins or originates
179. ext_____ary weather *adj.* exceptional, unexpected, very unusual; surpassing the ordinary or usual
180. get into a m__s *n.* a state of confusion, dirtiness, or untidiness; (verb) to fail to do something or to make something dirty or untidy

ANSWERS: 170. characteristic, 171. hydroelectric, 172. renew, 173. sophisticated, 174. massive, 175. inspire, 176. massive, 177. architecture, 178. cradle, 179. extraordinary, 180. mess

181. ast_____ics research *n.* the branch of physics concerned with the study of the properties and behavior of celestial objects and the physical processes that govern the behavior and evolution of the universe
182. artificial cr_____re *n.* a living being, especially an animal
183. noxious po_____nt *n.* a substance or agent that pollutes or contaminates the environment, typically through release into the air, water, or soil
184. proven com_____ce *n.* the ability to do something well or efficiently; the knowledge, skill, and ability required to perform a task or job effectively
185. co_____de that he is healthy *v.* to come to an end or close; to reach a judgment or opinion by reasoning
186. words of co_____t *n.* a state of physical ease and freedom from pain or constraint
187. have no up_____e *n.* the positive aspect or potential of something; the upper side of something
188. ig_____ce of the law *n.* lack of knowledge or information about a particular subject or fact
189. artificial bi_____re *n.* the part of the Earth and its atmosphere in which living organisms exist, including plants, animals, and microorganisms
190. an indomitable sp_____t *n.* the part of a person which is the seat of their mind, feelings, and character rather than their physical body; the general atmosphere of a place or situation and the effect that it has on people

ANSWERS: 181. astrophysics, 182. creature, 183. pollutant, 184. competence, 185. conclude, 186. comfort, 187. upside, 188. ignorance, 189. biosphere, 190. spirit

191. bu_____ly effect *n.* a diurnal insect typically has a slender body with knobbed antennae and broad, colorful wings
192. ma__a flow *n.* molten rock that is located beneath the earth's surface and can solidify to form igneous rock
193. dr__n excess liquid *v.* to empty or dry something by removing the liquid from it
194. new op_____l glasses *adj.* of or relating to or light or the ability to see; (noun) the science of light and vision, and to instruments and techniques used in the study and application of light
195. a facial ti____e *n.* an ensemble of similar cells of the animal or plant that together carry out a specific function
196. female ho_____e *n.* a chemical substance made by organs that encourages or influences the development, growth, sex, etc., of an animal and is carried around the body in the blood
197. 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
198. slow eva_____on *n.* the process of a liquid changing into a gas or vapor, often as a result of high temperatures or reduced pressure; the gradual disappearance or dissipation of something, such as money or resources

ANSWERS: 191. butterfly, 192. magma, 193. drain, 194. optical, 195. tissue, 196. hormone, 197. degree, 198. evaporation

199. no do__t about the news *n.* a feeling of being uncertain about something, especially about how good or accurate it is
200. designed spe_____ly for men *adv.* only associated with or meant for one thing
201. re_____on between cause and effect *n.* the way two persons or groups of people feel and act toward one another
202. meet with opp_____on *n.* the act of disagreeing or resisting; the state of strong disagreement
203. env_____nt affairs *n.* the natural world such as air, water, and land in which humans, animals, and plants live
204. pos_____ty of a major earthquake *n.* a chance that something may happen or be true
205. va_____on report *n.* an estimation of the worth or value of something
206. sl_____ly alkaline soils *adv.* in a small degree or extent; a little
207. an_____or language *n.* a person from whom one is descended; a forefather
208. maintain the pr_____ne condition *adj.* new and completely free from dirt or contamination
209. re___e a story *v.* to establish a connection or association between two or more things; to narrate or tell about an event, experience, or relationship; to empathize or feel sympathy with someone or something
210. st_____ty pact *n.* the quality or attribute of being firm and steadfast

ANSWERS: 199. doubt, 200. specifically, 201. relation, 202. opposition, 203. environment, 204. possibility, 205. valuation, 206. slightly, 207. ancestor, 208. pristine, 209. relate, 210. stability

211. 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
212. 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
213. re_____d communities *v.* to build again or anew
214. res_____ce of exports *n.* the return or growth of something after a period of decline or disappearance
215. stripes cha_____tic of the zebra *n.* a typical feature or quality that can identify, tell apart, or describe something or somebody
216. ar_____ct of the peace accord *n.* a person whose job is to design plans to be used in making something, such as buildings
217. carbon fi__r *n.* thread or filament used to make a vegetable tissue, mineral material, or textile
218. a steam en___e *n.* a machine that converts thermal energy to mechanical work; something that has an important role used to achieve a purpose
219. w__p a fish in foil *v.* to cover or enclose something entirely with paper, cloth, or other material
220. re__w a contract *v.* to begin or resume something again after an interruption
221. electric ke___e *n.* a metal container with a lid and handle, used for boiling water or other liquids over a heat source, commonly used for making tea or cooking pasta or soup

ANSWERS: 211. degree, 212. universe, 213. rebuild, 214. resurgence, 215. characteristic, 216. architect, 217. fiber, 218. engine, 219. wrap, 220. renew, 221. kettle

222. ex____ge rate
223. the mo__o for safe traffic
224. la_____pe painting
225. former co_____ue
226. do l__g transplantation
227. re_____ce for tradition
228. la_____de of choice
229. co___y goods by truck
230. co_____e a large of alcohol
- v. to give something and receive something else in return, often with the implication that the items being traded are of equal or comparable value; (noun) the act of giving or taking something in return for something else; a place or system where goods or services can be bought, sold, or traded
- n. a phrase or slogan that expresses a guiding principle or goal
- n. an expanse of scenery that can be seen in a single view; a large area of land, especially in the country and relating to its appearance
- n. one of a group of a coworker, especially in a profession or a business
- n. either of the two organs in the chest that people and some animals use for breathing
- n. a deep respect for someone or something
- n. the distance of a place north or south of the earth's equator, measured in degrees; freedom from normal restraints in conduct
- v. to express ideas, feelings, etc. so that it is known or understood by other people; to carry something from one place to another
- v. to spend something, especially fuel, energy, or time, in a large amount

ANSWERS: 222. exchange, 223. motto, 224. landscape, 225. colleague, 226. lung, 227. reverence, 228. latitude, 229. convey, 230. consume

231. cr____l analyses *n.* a solid material with many even sides that is formed naturally when the substance becomes solid and has a highly regular atomic structure; clear and colorless glass made of almost pure silica
232. nu____e his talents *v.* to take care of, feed, and protect someone or something while they are growing and developing
233. re____e a prisoner *v.* to set free or allow to escape from confinement
234. exploration of co____s *n.* another name for the universe, mainly used when it is thought of as an ordered system
235. sales rep______ive *n.* someone who speaks or acts officially on behalf of another person or group of people
236. tr____re in the news *v.* to happen or be revealed
237. a natural ha____ic quality *adj.* relating to the production of sound waves with a frequency that is an integral multiple of the frequency of the original wave; having a pleasing, pleasing, or agreeable sound.
238. uncomfortable hu____ty *n.* the amount of water vapor in the air, typically as a percentage of the maximum that the air could hold at that temperature
239. mo__t climate *adj.* slightly wet, a state characterized by the presence of moisture or dampness

ANSWERS: 231. crystal, 232. nurture, 233. release, 234. cosmos, 235. representative, 236. transpire, 237. harmonic, 238. humidity, 239. moist

240. sta_____cs for cancer *n.* the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data
241. bio_____ity conservation *n.* the number and variety of plants and animals that exist in a particular area or the world and make a balanced environment
242. harmless ba_____ia *n.* single-celled or noncellular spherical or spiral or rod-shaped organisms that exist in large numbers in the air, water, and soil, and also in living and dead creatures and plants, and are often a cause of disease
243. fr_____l pattern *n.* a complex geometric pattern or shape that repeats itself on smaller and smaller scales, often occurring in nature or mathematical equations
244. arc_____ure design *n.* the art and science of designing and constructing buildings
245. oasis in the de_____t *n.* arid land with little or no vegetation often covered with sand or rocks
246. uncomfortably hu__d *adj.* having a high amount of moisture or water vapor in the air; damp; muggy
247. su_____e beforehand *v.* to think that something is likely to be actual or possible
248. severe cr____c *n.* someone who expresses opinions about the quality of books, music, etc.
249. in_____us idea *adj.* showing inventiveness and ability or skill

ANSWERS: 240. statistics, 241. biodiversity, 242. bacteria, 243. fractal, 244. architecture, 245. desert, 246. humid, 247. suppose, 248. critic, 249. ingenious

250. ir____te fields *v.* to supply water to land to help plants grow
251. gi____ic proportions *adj.* extremely large
252. e__t air pollution *v.* to give off or send out something such as light, heat, sound, gas, etc.
253. pr____s improvement *n.* a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products
254. de____st a mountain *v.* to clear an area of forest or trees
255. tr____e on the rights *v.* to step heavily on something or someone, causing damage or injury
256. l__g capacity *n.* either of the two organs in the chest that people and some animals use for breathing
257. qua____le courtyard *n.* an open square or rectangular area surrounded by buildings or walls, often found in educational institutions, monasteries, or other large buildings; a plane figure with four sides and four angles
258. historical phe____on *n.* something that exists and can be perceptible, especially one that is not fully understood
259. a mammary gl__d *n.* a group of cells in an animal's body that produce substances needed by the body and release them through ducts or directly into the bloodstream

ANSWERS: 250. irrigate, 251. gigantic, 252. emit, 253. process, 254. deforest, 255. trample, 256. lung, 257. quadrangle, 258. phenomenon, 259. gland

260. 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
261. con_____sy among researchers *n.* a lot of discussion and argument about something, often involving strong feelings of anger or disapproval
262. buck and d_e *n.* a mature female of mammals of which the male is called a buck, such as a deer or a rabbit
263. dis_____te wealth evenly *v.* to give something to a large number of individuals, or to spread or furnish something
264. re__t at a high temperature *v.* to take action in response to something
265. ex_____e in anger *v.* to burst or break open violently and noisily; to cause something to burst or break open
266. re_____e the order *v.* to change something's direction, order, position, decision, etc., to the opposite one; (adjective) directed or moving toward the rear
267. road sp_____er *n.* a device that sprays water over a large area used especially for watering crops or gardens or for firefighting
268. cir_____on of money *n.* the movement of blood through the body or of a fluid through a system; the number of copies of a newspaper or magazine that are sold

ANSWERS: 260. fungus, 261. controversy, 262. doe, 263. distribute, 264. react, 265. explode, 266. reverse, 267. sprinkler, 268. circulation

269. pr_____e the amendment *v.* to make a proposal, declare a plan for something
270. d__p the gravel on the road *v.* to deposit or dispose of something, such as trash, waste, etc., carelessly or hurriedly
271. water va__r in the atmosphere *n.* a mass of tiny liquid drops in the air
272. the s__n of a bird's wings *n.* the entire length of something, such as time or space from beginning to end; the amount of space that something covers
273. an artificial ki___y *n.* either of a pair of small organs in the body that filter waste products, especially urea, from the blood and excrete them and water in urine
274. in_____al organs *adj.* of or relating to the inside of something
275. de_____st millions of acres *v.* to clear an area of forest or trees
276. or___n of information *n.* the first existence or beginning of something
277. 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
278. ev_____te the water *v.* to turn a liquid into a gas; to become less intense and disappear gradually
279. high va_____on *n.* an estimation of the worth or value of something
280. com_____ty theory *n.* the state or quality of being complicated or intricate and difficult to understand

ANSWERS: 269. propose, 270. dump, 271. vapor, 272. span, 273. kidney, 274. internal, 275. deforest, 276. origin, 277. pulse, 278. evaporate, 279. valuation, 280. complexity

281. 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
282. in____t antenna *n.* any small creature that has six legs and a body divided into three sections
283. sto_____se inventory *n.* a large building or room used for storing goods
284. the pa_____x of the heap *n.* a statement, situation, or person that has two opposite facts or features and therefore seems impossible, is difficult to understand, or is strange;
285. cultural ven_____on *n.* a feeling or expression of deep respect, reverence, or admiration for someone or something, often associated with religious or spiritual devotion
286. tr_____er power *v.* to move, pass, or change from one person, place, or situation to another
287. the great di_____ry of the century *n.* the act or process of finding information, a place, or an object, or learning about something that was previously not known
288. su_____al food *n.* the state of continuing to exist or live, frequently in the face of difficulty or danger
289. 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.

ANSWERS: 281. universe, 282. insect, 283. storehouse, 284. paradox, 285. veneration, 286. transfer, 287. discovery, 288. survival, 289. satellite

290. solar ast_____er *n.* a physicist who studies astronomy
291. tr_____it the disease *v.* to send or forward an electronic signal; to pass something from one person or thing to another
292. chronic ki_____y disease *n.* either of a pair of small organs in the body that filter waste products, especially urea, from the blood and excrete them and water in urine
293. g__h about my love for sports *v.* to flow or pour out rapidly and in large quantities
294. li__r disease *n.* a large organ in the body, involved in many metabolic processes, such as detoxification of the organism, and the synthesis of proteins
295. be_____le the mind *v.* to confuse someone, making them unable to think clearly or understand something
296. cultural sop_____ion *n.* the quality or state of having a great deal of worldly experience; the quality or state of being intellectually or culturally refined
297. at____d a meeting *v.* to be present at an event, to go to a place
298. origin of the co____s *n.* another name for the universe, mainly used when it is thought of as an ordered system
299. mat_____tic lifestyle *adj.* concerned primarily with material possessions rather than spiritual or intellectual values; adhering to a philosophy that places a high value on material goods or wealth

ANSWERS: 290. astronomer, 291. transmit, 292. kidney, 293. gush, 294. liver, 295. befuddle, 296. sophistication, 297. attend, 298. cosmos, 299. materialistic

300. western phi_____hy *n.* the study of general and fundamental questions, such as those about existence, reason, knowledge, values, mind
301. bio_____cs research *n.* the study of natural systems and structures to create new technologies or improve existing ones
302. collapsed v__n *n.* a blood vessel that carries blood from various parts of the body back to the heart; a mineral deposit or layer of rock that is contained within another rock formation
303. 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
304. mo___o blue *n.* a genus of butterflies belonging to the family Nymphalidae, known for their vibrant blue wings, primarily found in Central and South America
305. increase sl_____ly *adv.* in a small degree or extent; a little
306. have a sp_____id time *adj.* very impressive or beautiful; magnificent
307. de___t basin *n.* arid land with little or no vegetation often covered with sand or rocks
308. exposure to ra_____on *n.* the energy that comes from a nuclear reaction in the form of rays, waves, or particles and that can be hazardous to health

ANSWERS: 300. philosophy, 301. biomimetics, 302. vein, 303. structure, 304. morpho, 305. slightly, 306. splendid, 307. desert, 308. radiation

309. ec____y class *n.* the system by which a country or region produces, manages, and distributes goods and services, including the money and finances involved in these activities; (of an airline) the lowest-priced, most basic option for seating in commercial travel
310. a sp____id meal *adj.* very impressive or beautiful; magnificent
311. z__e defense *n.* a specific area, region, or section that is marked off or defined in some way
312. a sy____ny orchestra *n.* a long musical composition in Western classical music for orchestra, usually with three or four main parts called movements
313. co____e chemically with another substance *v.* to join or merge to form a single thing or group
314. carbon dioxide in the atm____re *n.* the mass of air that surrounds the Earth; the pervading tone or mood of a place, situation, or creative work
315. ig____ce is bliss *n.* lack of knowledge or information about a particular subject or fact
316. in____e him to write a novel *v.* to make somebody fill with the desire, confidence, or enthusiasm, especially to do something creative
317. ascend to he____n *n.* (of various religious and mythological traditions) a place or state of existence considered to be the abode of the divine, the afterlife, or a higher realm of being; a state of great happiness, contentment, or beauty

ANSWERS: 309. economy, 310. splendid, 311. zone, 312. symphony, 313. combine, 314. atmosphere, 315. ignorance, 316. inspire, 317. heaven

318. ma__h bird *n.* a type of land that is always wet and has soft soil; swamp or bog
319. tr_____on cubic feet *n.* the number 1,000,000,000,000; a million million
320. many tr_____ons of dollars *n.* the number 1,000,000,000,000; a million million
321. dr_____t conditions *n.* a long period of time during which there is very little or no rain, leading to a shortage of water and often causing damage to crops and other vegetation
322. the life cycle of a bu_____ly *n.* a diurnal insect typically has a slender body with knobbed antennae and broad, colorful wings
323. all in a sw__t *n.* the salty liquid that is produced by the glands in the skin, especially when the body is hot or under stress
324. to_____t of words *n.* a sudden and violent stream, as of water, lava, or mud
325. dull si__t *n.* the ability to see; anything that is seen
326. dis_____te video content *v.* to give something to a large number of individuals, or to spread or furnish something
327. ext_____ary ability *adj.* exceptional, unexpected, very unusual; surpassing the ordinary or usual
328. alcohol va__r *n.* a mass of tiny liquid drops in the air
329. ho_____e secretion *n.* a chemical substance made by organs that encourages or influences the development, growth, sex, etc., of an animal and is carried around the body in the blood

ANSWERS: 318. marsh, 319. trillion, 320. trillion, 321. drought, 322. butterfly, 323. sweat, 324. torrent, 325. sight, 326. distribute, 327. extraordinary, 328. vapor, 329. hormone

330. number of b_g fixes *n.* any tiny insect; a fault or defect in a computer program, system, or machine
331. the at____t to rescue the hostages *n.* an act or effort of trying to do something, especially something difficult
332. ir____te the flowers and plants *v.* to supply water to land to help plants grow
333. tr____e down his feelings *v.* to step heavily on something or someone, causing damage or injury
334. a sop_____ted lifestyle *adj.* having a great deal of worldly experience and knowledge of people's behavior, culture, and fashion
335. ph___n emission *n.* a unit or quantum of electromagnetic energy, typically regarded as a particle that is the basic constituent of all light and other forms of electromagnetic radiation
336. mi___n measurements *n.* a unit of measurement equal to one-millionth of a meter, used for measuring the size of particles and microorganisms
337. mi___n imaging *n.* a unit of measurement equal to one-millionth of a meter, used for measuring the size of particles and microorganisms
338. ar___y blockage *n.* one of the thick tubes in humans and most other animals that takes blood away from the heart to one or more parts of the body such as tissues, lungs, brain, etc.

ANSWERS: 330. bug, 331. attempt, 332. irrigate, 333. trample, 334. sophisticated, 335. photon, 336. micron, 337. micron, 338. artery

339. st____le against discrimination *v.* to make a great effort to do something when it is difficult, or there are a lot of problems; to use force or violence to break away from restraint or constriction
340. time z__e *n.* a specific area, region, or section that is marked off or defined in some way
341. ro____c arm *adj.* of or relating to mechanical robots; (robotics) the interdisciplinary branch of computer science and engineering with the practical use of robots
342. p__p blood throughout the body *v.* to cause water, air, gas, etc. to move from one place to another by using mechanical equipment; to get or supply something such as money, information, etc. in significant quantities
343. erupting ge____r *n.* a natural hot spring that periodically ejects a column of boiling water and steam into the air; a device that produces a similar effect for decorative or practical purposes
344. an eye so____t *n.* a device in a wall into which a plug is inserted to connect electrical devices to a building's power source; a hollow into which a structure fits
345. the average life s__n *n.* the entire length of something, such as time or space from beginning to end; the amount of space that something covers
346. res____ce in popularity *n.* the return or growth of something after a period of decline or disappearance

ANSWERS: 339. struggle, 340. zone, 341. robotic, 342. pump, 343. geyser, 344. socket, 345. span, 346. resurgence

347. the mean annual ra_____ll *n.* the amount of rain that falls in a specific location at a particular moment
348. sp____t and the letter of the law *n.* the part of a person which is the seat of their mind, feelings, and character rather than their physical body; the general atmosphere of a place or situation and the effect that it has on people
349. the inland of a co_____nt *n.* one of the earth's large landmasses; (adjective) abstaining from your feelings, especially your desire to have sex
350. tr_____re as expected *v.* to happen or be revealed
351. the in_____al economy *adj.* of or relating to the inside of something
352. collaborate with co_____ues *n.* one of a group of a coworker, especially in a profession or a business
353. re_____on of inclusion *n.* the way two persons or groups of people feel and act toward one another
354. for spe_____lly American customers *adv.* only associated with or meant for one thing
355. anti-air raid sh_____r *n.* a structure built to protect from poor weather, danger, or attack; (verb) to protect or shield from harm or adversity, particularly relating to environmental conditions or danger
356. de_____e him of his status *v.* to take away something from someone
357. w__p up a meeting *v.* to cover or enclose something entirely with paper, cloth, or other material

ANSWERS: 347. rainfall, 348. spirit, 349. continent, 350. transpire, 351. internal, 352. colleague, 353. relation, 354. specifically, 355. shelter, 356. deprive, 357. wrap

358. rich in vi_____n D *n.* any of a group of organic compounds that are essential in small quantities to the diet and are present in natural foodstuffs or sometimes produced within the body
359. Ne__o literature *n.* ("Negro" is now considered out of date and offensive) a term that was once used to refer to people of African descent, especially those living in the United States
360. a glare of su_____ht *n.* the light emitted by the sun; the rays of the sun
361. river-delta ma__h *n.* a type of land that is always wet and has soft soil; swamp or bog
362. the function of the thyroid gl__d *n.* a group of cells in an animal's body that produce substances needed by the body and release them through ducts or directly into the bloodstream
363. struck a mi____y blow *adj.* very large, powerful, or strong
364. decision-making pr_____s *n.* a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products
365. in_____le stars *adj.* impossible or nearly impossible to see
366. su_____e you're right *v.* to think that something is likely to be actual or possible

ANSWERS: 358. vitamin, 359. Negro, 360. sunlight, 361. marsh, 362. gland, 363. mighty, 364. process, 365. invisible, 366. suppose

367. an_____al roots *adj.* related to or connected with members of your family from the past
368. get ins_____on from nature *n.* something that motivates or encourages someone to create or achieve something, or a feeling of excitement or creativity
369. lot of mo_____re *n.* small amounts of liquid, especially water, that are present in or absorbed by a substance
370. natural phe_____on *n.* something that exists and can be perceptible, especially one that is not fully understood
371. an unexpected si__t *n.* the ability to see; anything that is seen
372. 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
373. ai___y blockage *n.* the air passage from the nose and throat to the lungs; a designated route followed by airplanes flying from one airport to another
374. in direct su_____ht *n.* the light emitted by the sun; the rays of the sun
375. an op_____ne remark *adj.* suitable or happening at a time that is suitable or convenient for a particular purpose
376. 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

ANSWERS: 367. ancestral, 368. inspiration, 369. moisture, 370. phenomenon, 371. sight, 372. introduction, 373. airway, 374. sunlight, 375. opportune, 376. trap

377. con_____ion of ideas *n.* the process by which water vapor in the air turns into a liquid when it comes into contact with a surface that is cooler than the air; the act of making something more concise or shorter
378. g__h out and won't stop *v.* to flow or pour out rapidly and in large quantities
379. ant_____nt behavior *n.* a substance that inhibits oxidation, especially one used to counteract the deterioration of stored food products
380. gi_____ic monsters *adj.* extremely large
381. injury in a car ac_____nt *n.* an unfortunate event, especially one causing damage or injury
382. pr_____e changes *v.* to make a proposal, declare a plan for something
383. heavy ra_____ll *n.* the amount of rain that falls in a specific location at a particular moment
384. historical an_____y *n.* a comparison between similar things that have similar aspects, often used to help explain a principle or concept
385. so____t adapter *n.* a device in a wall into which a plug is inserted to connect electrical devices to a building's power source; a hollow into which a structure fits
386. the wel_____ng of a nation *n.* the state of being happy and healthy and prosperous
387. ex_____e in popularity *v.* to burst or break open violently and noisily; to cause something to burst or break open

ANSWERS: 377. condensation, 378. gush, 379. antioxidant, 380. gigantic, 381. accident, 382. propose, 383. rainfall, 384. analogy, 385. socket, 386. well-being, 387. explode

388. co_____de a meeting *v.* to come to an end or close; to reach a judgment or opinion by reasoning
389. tr_____it information *v.* to send or forward an electronic signal; to pass something from one person or thing to another
390. northern hem_____re *n.* half of the terrestrial globe; half of a sphere
391. com_____ce evaluation *n.* the ability to do something well or efficiently; the knowledge, skill, and ability required to perform a task or job effectively
392. company mo__o *n.* a phrase or slogan that expresses a guiding principle or goal
393. in___t biology *n.* any small creature that has six legs and a body divided into three sections
394. gain pr_____al experience *adj.* of or connected with actual use or real situation rather than with theory and ideas
395. rainproof sh_____r *n.* a structure built to protect from poor weather, danger, or attack; (verb) to protect or shield from harm or adversity, particularly relating to environmental conditions or danger
396. opp_____on campaign *n.* the act of disagreeing or resisting; the state of strong disagreement
397. ro__h and tough *adj.* not quite exact or correct; having or caused by an irregular surface
398. in_____us device *adj.* showing inventiveness and ability or skill

ANSWERS: 388. conclude, 389. transmit, 390. hemisphere, 391. competence, 392. motto, 393. insect, 394. practical, 395. shelter, 396. opposition, 397. rough, 398. ingenious

399. human phy_____gy *n.* the branch of the biological sciences dealing with the functioning of organisms
400. fairly ty_____l symptoms *adj.* having the usual characteristics or traits of a specific group of things
401. linguistic sop_____ion *n.* the quality or state of having a great deal of worldly experience; the quality or state of being intellectually or culturally refined
402. loss of bio_____ity *n.* the number and variety of plants and animals that exist in a particular area or the world and make a balanced environment
403. me___c units *adj.* using or relating to the meter as a unit of length; a system of related measures that facilitates the quantification of some particular characteristic
404. south of the eq_____r *n.* an line of latitude that separates Earth's northern and southern hemispheres and has a radius of around 40,075 kilometers (24,901 miles)
405. fr_____l art *n.* a complex geometric pattern or shape that repeats itself on smaller and smaller scales, often occurring in nature or mathematical equations
406. create me_____le experiences *adj.* worth remembering or likely to be remembered, especially because of being very important or remarkable
407. inc_____le amount *adj.* unbelievable; enormous

ANSWERS: 399. physiology, 400. typical, 401. sophistication, 402. biodiversity, 403. metric, 404. equator, 405. fractal, 406. memorable, 407. incredible

408. d__p hazardous waste *v.* to deposit or dispose of something, such as trash, waste, etc., carelessly or hurriedly
409. dispel do__ts *n.* a feeling of being uncertain about something, especially about how good or accurate it is
410. he___n on earth *n.* (of various religious and mythological traditions) a place or state of existence considered to be the abode of the divine, the afterlife, or a higher realm of being; a state of great happiness, contentment, or beauty
411. sp_____er irrigation *n.* a device that sprays water over a large area used especially for watering crops or gardens or for firefighting
412. imp_____le event *adj.* not likely to happen or be true; unlikely; having a low probability or chance of occurring
413. pr_____ne beach *adj.* new and completely free from dirt or contamination
414. cerebral hem_____re *n.* half of the terrestrial globe; half of a sphere
415. co_____nt urinary diversion *n.* one of the earth's large landmasses; (adjective) abstaining from your feelings, especially your desire to have sex
416. co___y a complex idea *v.* to express ideas, feelings, etc. so that it is known or understood by other people; to carry something from one place to another

ANSWERS: 408. dump, 409. doubt, 410. heaven, 411. sprinkler, 412. improbable, 413. pristine, 414. hemisphere, 415. continent, 416. convey

417. immune fu____on *n.* the purpose or use of an object, system, or process; a particular activity or operation that is designed to serve a specific purpose; a mathematical concept that describes a relationship between two sets of values, called the input and output sets; (verb) to operate or work in a specific way, or to perform a particular task or purpose
418. above the eq____r *n.* an line of latitude that separates Earth's northern and southern hemispheres and has a radius of around 40,075 kilometers (24,901 miles)
419. austere el____ce *n.* the quality of being graceful and stylish in appearance or manner
420. be____le the audience *v.* to confuse someone, making them unable to think clearly or understand something
421. abs____ly obsessed with the girl *adv.* without restriction or limitation; completely or utterly
422. ci____te an agenda before the meeting *v.* to move continuously or freely around a place or closed system
423. 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.
424. neutrino ast____ics *n.* the branch of physics concerned with the study of the properties and behavior of celestial objects and the physical processes that govern the behavior and evolution of the universe

ANSWERS: 417. function, 418. equator, 419. elegance, 420. befuddle, 421. absolutely, 422. circulate, 423. satellite, 424. astrophysics

425. su____al ability *n.* the state of continuing to exist or live, frequently in the face of difficulty or danger
426. At____ic salmon *adj.* relating to or located near the Atlantic Ocean, which is the second-largest ocean on Earth, located between the continents of North and South America to the west and Europe and Africa to the east
427. show ven_____on *n.* a feeling or expression of deep respect, reverence, or admiration for someone or something, often associated with religious or spiritual devotion
428. tr____er a file *v.* to move, pass, or change from one person, place, or situation to another
429. a scientific di_____ry *n.* the act or process of finding information, a place, or an object, or learning about something that was previously not known
430. in____e criticism *v.* to ask someone to come or join; to offer an opportunity or possibility for something to happen or take place
431. a b__h of hair *n.* a plant growing thickly with many small branches and several stiff stems coming up from the root
432. break a ha_____y *n.* the combination of simultaneous musical notes to produce a pleasing effect; an attractive combination of related things and their properties
433. vi__d colors *adj.* producing very clear, powerful, and detailed images in the mind

ANSWERS: 425. survival, 426. Atlantic, 427. veneration, 428. transfer, 429. discovery, 430. invite, 431. bush, 432. harmony, 433. vivid

434. ig_____nt remark *adj.* lacking knowledge or awareness in general; uneducated or unsophisticated; unaware of certain facts or information
435. elliptic ga_____y *n.* an independent group of stars, interstellar gas, dark matter, etc., in the universe, bound together by gravity
436. 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
437. su_____e a plane crash *v.* to live or exist despite a dangerous event or period
438. ec_____y of scale *n.* the system by which a country or region produces manages, and distributes goods and services, including the money and finances involved in these activities; (of an airline) the lowest-priced, most basic option for seating in commercial travel
439. vi_____n deficiency *n.* any of a group of organic compounds that are essential in small quantities to the diet and are present in natural foodstuffs or sometimes produced within the body
440. pr_____al English *adj.* of or connected with actual use or real situation rather than with theory and ideas
441. at inc_____le speed *adj.* unbelievable; enormous
442. an an_____al graveyard *adj.* related to or connected with members of your family from the past

ANSWERS: 434. ignorant, 435. galaxy, 436. trap, 437. survive, 438. economy, 439. vitamin, 440. practical, 441. incredible, 442. ancestral

443. a binocular te_____pe *n.* a device like a tube in shape containing lenses used to magnify and observe distant objects
444. electromagnetic ra_____on *n.* the energy that comes from a nuclear reaction in the form of rays, waves, or particles and that can be hazardous to health
445. effects of cl_____e change *n.* the weather in a particular location averaged over some long period
446. ty_____l leader *adj.* having the usual characteristics or traits of a specific group of things
447. an ar_____nt attitude *adj.* having or revealing an exaggerated sense of one's importance or abilities
448. ease of com_____on *n.* the consideration or examination of the similarities between two or more people or things
449. pay re_____ce to him *n.* a deep respect for someone or something
450. st_____le to get the job *v.* to make a great effort to do something when it is difficult, or there are a lot of problems; to use force or violence to break away from restraint or constriction
451. re_____d a company *v.* to build again or anew
452. in_____e guests *v.* to ask someone to come or join; to offer an opportunity or possibility for something to happen or take place

ANSWERS: 443. telescope, 444. radiation, 445. climate, 446. typical, 447. arrogant, 448. comparison, 449. reverence, 450. struggle, 451. rebuild, 452. invite

Session 3: Fill in the Blanks

1. The fan _____ the air in the room quickly.
v. to move continuously or freely around a place or closed system
2. He has terminal _____ cancer.
n. either of the two organs in the chest that people and some animals use for breathing
3. This artwork is _____ of her work.
adj. having the usual characteristics or traits of a specific group of things
4. The plants in this garden are precious, so you must not _____ them.
v. to step heavily on something or someone, causing damage or injury
5. His _____ of the situation led him to make a poor decision.
n. lack of knowledge or information about a particular subject or fact
6. Infrared cameras detect _____ in the infrared range of the electromagnetic spectrum.
n. a unit or quantum of electromagnetic energy, typically regarded as a particle that is the basic constituent of all light and other forms of electromagnetic radiation
7. Hunters use a whistle that makes the _____ sound to lure stags.
n. a mature female of mammals of which the male is called a buck, such as a deer or a rabbit
8. The building was _____ in the fire and had to be rebuilt.
v. to ruin or damage severely or completely; to eradicate or eliminate completely

ANSWERS: 1. circulates, 2. lung, 3. typical, 4. trample, 5. ignorance, 6. photons, 7. doe, 8. destroyed

9. Excellent speech is a characteristic of an _____ man.
adj. having received a high standard of education
10. During the unloading, the container box _____ a clicking sound.
v. to give off or send out something such as light, heat, sound, gas, etc.
11. There are various hypotheses concerning the _____ of life.
n. the first existence or beginning of something
12. He slightly modified the _____ of training because it was just before a match.
n. the entire length of something, such as time or space from beginning to end; the amount of space that something covers
13. The _____ system regulates many bodily functions, including metabolism and growth.
adj. relating to the glands in the body that secrete hormones directly into the bloodstream to regulate bodily functions and processes
14. _____ is the science of how living things work.
n. the branch of the biological sciences dealing with the functioning of organisms
15. Ecuador is on the _____.
n. an line of latitude that separates Earth's northern and southern hemispheres and has a radius of around 40,075 kilometers (24,901 miles)
16. These _____ are more prevalent above a certain latitude.
n. any small creature that has six legs and a body divided into three sections
17. There are many theories to explain this _____.
n. a statement, situation, or person that has two opposite facts or features and therefore seems impossible, is difficult to understand, or is strange;

ANSWERS: 9. educated, 10. emits, 11. origin, 12. span, 13. endocrine, 14. Physiology, 15. equator, 16. insects, 17. paradox

18. The building was consumed by an _____ reducing it to ashes.
- n.* a place or condition of intense suffering, especially Hell, in traditional Christian beliefs
19. _____ C is important for immune system function and skin health.
- n.* any of a group of organic compounds that are essential in small quantities to the diet and are present in natural foodstuffs or sometimes produced within the body
20. In the _____ system, measurements are made in meters and liters.
- adj.* using or relating to the meter as a unit of length; a system of related measures that facilitates the quantification of some particular characteristic
21. He had a good ____ of the city and could easily find his way around.
- n.* knowledge, perception, understanding, or range of sight; (verb) to be aware of or know
22. The country was instrumental in promoting the _____ treaty.
- n.* the number and variety of plants and animals that exist in a particular area or the world and make a balanced environment
23. Bananas have their _____ taste and odor.
- n.* a typical feature or quality that can identify, tell apart, or describe something or somebody
24. The unique style of this martial arts _____ many action film producers.
- v.* to make somebody fill with the desire, confidence, or enthusiasm, especially to do something creative
25. The adrenal _____ produce steroids.
- n.* a group of cells in an animal's body that produce substances needed by the body and release them through ducts or directly into the bloodstream

ANSWERS: 18. inferno, 19. Vitamin, 20. metric, 21. ken, 22. biodiversity, 23. characteristic, 24. inspired, 25. glands

26. How did he _____ to your idea?

v. to take action in response to something

27. The _____ partially destroyed my vehicle.

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

28. The city is located at a _____ of 40 degrees north.

n. the distance of a place north or south of the earth's equator, measured in degrees; freedom from normal restraints in conduct

29. He narrated the _____ story of his adventure.

adj. exceptional, unexpected, very unusual; surpassing the ordinary or usual

30. We argue that wages for temporary workers should _____ rise.

adv. in almost the same way

31. Some people believe that the pursuit of wealth is a _____ goal.

adj. concerned primarily with material possessions rather than spiritual or intellectual values; adhering to a philosophy that places a high value on material goods or wealth

32. _____ prevalent in hospitals are often resistant to antibiotics.

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

33. 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: 26. react, 27. accident, 28. latitude, 29. extraordinary, 30. similarly, 31. materialistic, 32. Bacteria, 33. introduction

34. The complex instructions _____ me, and I had trouble deciding what to do next.

- v.* to confuse someone, making them unable to think clearly or understand something

35. The phenomenon is _____ at optical wavelengths.

- adj.* impossible or nearly impossible to see

36. He felt like _____ when he tasted the delicious chocolate cake.

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

37. They need food and _____.

- n.* a structure built to protect from poor weather, danger, or attack; (verb) to protect or shield from harm or adversity, particularly relating to environmental conditions or danger

38. 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

39. The _____ home has been in the family for generations.

- adj.* related to or connected with members of your family from the past

40. The _____ hot water generates electricity for nearby towns and cities.

- n.* a natural hot spring that periodically ejects a column of boiling water and steam into the air; a device that produces a similar effect for decorative or practical purposes

ANSWERS: 34. befuddled, 35. invisible, 36. heaven, 37. shelter, 38. universe, 39. ancestral, 40. geyser's

41. 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
42. The coastline of Norway is one of the most famous examples of _____ geometry in nature.
- n.* a complex geometric pattern or shape that repeats itself on smaller and smaller scales, often occurring in nature or mathematical equations
43. The formation of clouds is facilitated by the process of _____ and condensation
- n.* the process of a liquid changing into a gas or vapor, often as a result of high temperatures or reduced pressure; the gradual disappearance or dissipation of something, such as money or resources
44. It is terrific to camp in _____ nature.
- adj.* new and completely free from dirt or contamination
45. We must consume dietary _____ to maintain good health.
- n.* thread or filament used to make a vegetable tissue, mineral material, or textile
46. The old building _____ in a fiery inferno.
- v.* to burst or break open violently and noisily; to cause something to burst or break open
47. Push the button and let the water _____ away.
- v.* to empty or dry something by removing the liquid from it
48. The researcher separated the nervous _____ for microscopic examinations.
- n.* an ensemble of similar cells of the animal or plant that together carry out a specific function

ANSWERS: 41. pulse, 42. fractal, 43. evaporation, 44. pristine, 45. fiber, 46. exploded, 47. drain, 48. tissue

49. I have to _____ my passport by the middle of September.
v. to begin or resume something again after an interruption
50. The policy should increase the country's monetary _____.
n. the quality or attribute of being firm and steadfast
51. The prime minister canceled visits to other countries to resolve _____ disputes.
adj. of or relating to the inside of something
52. 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
53. He could not _____ against temptation.
v. to make a great effort to do something when it is difficult, or there are a lot of problems; to use force or violence to break away from restraint or constriction
54. When performing lifesaving, the first step is to secure the _____.
n. the air passage from the nose and throat to the lungs; a designated route followed by airplanes flying from one airport to another
55. 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
56. The restaurant _____ a ban on smoking.
v. to change something's direction, order, position, decision, etc., to the opposite one; (adjective) directed or moving toward the rear

ANSWERS: 49. renew, 50. stability, 51. internal, 52. planet, 53. struggle, 54. airway, 55. colleague, 56. reversed

57. _____ the bandage tightly around the injured arm.

- v.* to cover or enclose something entirely with paper, cloth, or other material

58. The kidney is an _____ component of the body.

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

59. Parents often _____ their characteristics to their children.

- v.* to send or forward an electronic signal; to pass something from one person or thing to another

60. 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

61. The security of a _____ is essential to prevent theft or damage to the stored items.

- n.* a large building or room used for storing goods

62. The _____ system kept the lawn green and healthy.

- n.* a device that sprays water over a large area used especially for watering crops or gardens or for firefighting

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

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

64. The _____ of the country is struggling due to the recent political instability.

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

ANSWERS: 57. Wrap, 58. organic, 59. transmit, 60. biosphere, 61. storehouse, 62. sprinkler, 63. atmosphere, 64. economy

65. The rain fell in a _____ flooding the streets in minutes.
n. a sudden and violent stream, as of water, lava, or mud
66. The _____ demonstrate that poverty and unemployment are genuine problems.
n. the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data
67. 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
68. The sun will _____ the mist.
v. to turn a liquid into a gas; to become less intense and disappear gradually
69. The media _____ had special passes.
n. someone who speaks or acts officially on behalf of another person or group of people
70. The _____ of her dress was breathtaking.
n. the quality of being graceful and stylish in appearance or manner
71. Many people see the _____ of traveling as an opportunity to experience new cultures and broaden their horizons.
n. the positive aspect or potential of something; the upper side of something
72. DNA is stored in the _____ of a cell.
n. the central and most important part of something; (biology) a part of the cell containing DNA and RNA and responsible for growth and reproduction; (physics) the very dense central region of an atom

ANSWERS: 65. torrent, 66. statistics, 67. structure, 68. evaporate, 69. representatives, 70. elegance, 71. upside, 72. nucleus

73. 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
74. The sperm whale can _____ to 1,000 meters.
- v.* to jump into the water with your head and arms going in first, or to move down to a deeper level underwater
75. He made a frightful _____ in his room.
- n.* a state of confusion, dirtiness, or untidiness; (verb) to fail to do something or to make something dirty or untidy
76. The _____ on the window was a clear sign of the high humidity.
- n.* the process by which water vapor in the air turns into a liquid when it comes into contact with a surface that is cooler than the air; the act of making something more concise or shorter
77. It finally _____ that an employee had stolen the missing money.
- v.* to happen or be revealed
78. The deep sea _____ was unlike anything the scientists had ever seen before.
- n.* a living being, especially an animal
79. The Milky Way _____ has numerous water-bearing planets.
- n.* an independent group of stars, interstellar gas, dark matter, etc., in the universe, bound together by gravity
80. The _____ for applying for a visa can be lengthy and complicated.
- n.* a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products

ANSWERS: 73. complexity, 74. dive, 75. mess, 76. condensation, 77. transpired, 78. creature, 79. galaxy, 80. process

81. These plants thrive in hot climates with abundant _____.
- n.* the amount of rain that falls in a specific location at a particular moment
82. The baby peacefully slept in her _____ surrounded by stuffed animals and blankets.
- n.* a small bed for an infant, often designed to rock back and forth; a place or region where something begins or originates
83. The air was so _____ that my clothes felt damp.
- adj.* having a high amount of moisture or water vapor in the air; damp; muggy
84. _____ chambers are large underground reservoirs where molten rock is stored before an eruption.
- n.* molten rock that is located beneath the earth's surface and can solidify to form igneous rock
85. My sister and I frequently _____ books, as we love reading.
- v.* to give something and receive something else in return, often with the implication that the items being traded are of equal or comparable value; (noun) the act of giving or taking something in return for something else; a place or system where goods or services can be bought, sold, or traded
86. Her concept is highly _____ and helpful.
- adj.* of or connected with actual use or real situation rather than with theory and ideas
87. An ironic remark often _____ an intended meaning obliquely.
- v.* to express ideas, feelings, etc. so that it is known or understood by other people; to carry something from one place to another

ANSWERS: 81. rainfall, 82. cradle, 83. humid, 84. Magma, 85. exchange, 86. practical, 87. conveys

88. _____ and weather have an impact on every part of our lifestyles.
n. the weather in a particular location averaged over some long period
89. The animal rights group worked to _____ the dolphins back into the wild.
v. to set free or allow to escape from confinement
90. He was _____ of his freedom when sentenced to life in prison.
v. to take away something from someone
91. The new technology added a level of _____ to the manufacturing process.
n. the quality or state of having a great deal of worldly experience; the quality or state of being intellectually or culturally refined
92. He was so hungry from the long journey that he had a _____ appetite.
adj. extremely large
93. We worked in perfect _____.
n. the combination of simultaneous musical notes to produce a pleasing effect; an attractive combination of related things and their properties
94. He tried to _____ his experience to the group, but they couldn't understand.
v. to establish a connection or association between two or more things; to narrate or tell about an event, experience, or relationship; to empathize or feel sympathy with someone or something
95. The _____ on the stove started to whistle, signaling that the water was boiling.
n. a metal container with a lid and handle, used for boiling water or other liquids over a heat source, commonly used for making tea or cooking pasta or soup

ANSWERS: 88. Climate, 89. release, 90. deprived, 91. sophistication, 92. gigantic, 93. harmony, 94. relate, 95. kettle

96. The building _____ tried to build the house above the tree.
n. a person whose job is to design plans to be used in making something, such as buildings
97. A rainbow is a natural _____.
n. something that exists and can be perceptible, especially one that is not fully understood
98. After years of decline, the city is experiencing a _____ in economic growth.
n. the return or growth of something after a period of decline or disappearance
99. The company's _____ is "Innovation and Service," which is reflected in its products and customer support.
n. a phrase or slogan that expresses a guiding principle or goal
100. Many famous _____ are within walking distance.
n. the ability to see; anything that is seen
101. The _____ illusion made it appear like the building was floating in midair.
adj. of or relating to or light or the ability to see; (noun) the science of light and vision, and to instruments and techniques used in the study and application of light
102. 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.

ANSWERS: 96. architect, 97. phenomenon, 98. resurgence, 99. motto, 100. sights, 101. optical, 102. satellite

103. She _____ the money from her savings account to her checking account.

v. to move, pass, or change from one person, place, or situation to another

104. 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

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

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

106. Her research team made an important _____.

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

107. My hair looks greasy because there is too much _____ in the air.

n. small amounts of liquid, especially water, that are present in or absorbed by a substance

108. Environmentalists are concerned about the harm to the _____.

n. a type of land that is always wet and has soft soil; swamp or bog

109. The region has been experiencing a severe _____ leading to water shortages and crop failures.

n. a long period of time during which there is very little or no rain, leading to a shortage of water and often causing damage to crops and other vegetation

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

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

ANSWERS: 103. transferred, 104. trap, 105. circulation, 106. discovery, 107. moisture, 108. marsh, 109. drought, 110. nurture

111. The policies he announces can be the _____ of economic growth in the country.
- n.* a machine that converts thermal energy to mechanical work; something that has an important role used to achieve a purpose
112. The factory's use of chemicals has made it a significant _____ in the area.
- n.* a substance or agent that pollutes or contaminates the environment, typically through release into the air, water, or soil
113. Marketing strategies are growing more _____.
- adj.* having a great deal of worldly experience and knowledge of people's behavior, culture, and fashion
114. The company is looking for candidates with the necessary _____ and skills.
- n.* the ability to do something well or efficiently; the knowledge, skill, and ability required to perform a task or job effectively
115. This region is predominantly _____.
- n.* arid land with little or no vegetation often covered with sand or rocks
116. _____ is the start, not the end, of intelligence.
- n.* a feeling of being uncertain about something, especially about how good or accurate it is
117. It is _____ that we will find a solution to this problem overnight.
- adj.* not likely to happen or be true; unlikely; having a low probability or chance of occurring
118. The patient was given an _____ supplement to boost their immune system.
- adj.* originating or coming from outside; external to a system or organism; introduced or caused by factors or substances external to the body or system being referred to

ANSWERS: 111. engine, 112. pollutant, 113. sophisticated, 114. competence, 115. desert, 116. Doubt, 117. improbable, 118. exogenous

119. The town decided to convert its power source to _____ energy.

adj. relating to the generation of electricity from water power, usually by using turbines or generators powered by falling or flowing water; utilizing the energy of water to generate electricity

120. He tried every possible treatment, including chemotherapy and _____ therapy.

n. the energy that comes from a nuclear reaction in the form of rays, waves, or particles and that can be hazardous to health

121. Her response revealed _____ idiocy.

adj. unbelievable; enormous

122. My remote _____ immigrated to the United States from Ireland in the 1800s.

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

123. Enhanced rail _____ is crucial for our business.

n. a system for moving people or products from one location to another using automobiles, roads, and so on

124. The surgeon removed the healthy _____ from the donor.

n. either of a pair of small organs in the body that filter waste products, especially urea, from the blood and excrete them and water in urine

125. They are planning to _____ the house after the fire.

v. to build again or anew

126. The width of a single human hair is around 100 _____.

n. a unit of measurement equal to one-millionth of a meter, used for measuring the size of particles and microorganisms

ANSWERS: 119. hydroelectric, 120. radiation, 121. incredible, 122. ancestor, 123. transportation, 124. kidney, 125. rebuild, 126. microns

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

adj. enormous amount; very heavy and solid

128. The aircraft's design was inspired by _____ principles, which allowed for improved aerodynamics and reduced fuel consumption.

n. the study of natural systems and structures to create new technologies or improve existing ones

129. This ad campaign is aimed _____ at young women.

adv. only associated with or meant for one thing

130. I am going to trim this _____ off.

n. a plant growing thickly with many small branches and several stiff stems coming up from the root

131. The phone rang at the most _____ time.

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

132. I want to _____ a toast in honor of our longstanding relationship.

v. to make a proposal, declare a plan for something

133. The _____ of getting the disease will drastically increase.

n. a chance that something may happen or be true

134. He was _____ of the fact that the meeting had been moved to a different location.

adj. lacking knowledge or awareness in general; uneducated or unsophisticated; unaware of certain facts or information

ANSWERS: 127. massive, 128. biomimetics, 129. specifically, 130. bush, 131. opportune, 132. propose, 133. possibility, 134. ignorant

135. The road of _____ leads to the palace of wisdom.

n. an amount or quantity beyond what is acceptable, expected, or reasonable

136. We must _____ to this matter.

v. to be present at an event, to go to a place

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

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

138. We are responsible for the care and _____ of all our employees.

n. the state of being happy and healthy and prosperous

139. Flight across the _____ was a daring adventure in its day.

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

140. This question has fascinated solar _____ for decades.

n. a physicist who studies astronomy

141. He found _____ in the works of his favorite authors.

n. something that motivates or encourages someone to create or achieve something, or a feeling of excitement or creativity

142. They developed _____ blues with a lively rhythm.

n. ("Negro" is now considered out of date and offensive) a term that was once used to refer to people of African descent, especially those living in the United States

ANSWERS: 135. excess, 136. attend, 137. analogy, 138. well-being, 139. continent, 140. astronomers, 141. inspiration, 142. Negro

143. He was studying _____ in an attempt to understand the origins of the universe.

- n.* the branch of physics concerned with the study of the properties and behavior of celestial objects and the physical processes that govern the behavior and evolution of the universe

144. What do you _____ the culprit's motive was?

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

145. I've included the two designs for a _____.

- n.* the consideration or examination of the similarities between two or more people or things

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

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

147. Perseverance and optimism are _____ to success.

- adj.* necessary for the success or continued existence of something

148. He evaluated his chances for _____ rather pessimistically.

- n.* the state of continuing to exist or live, frequently in the face of difficulty or danger

149. They used a special receiver to _____ police radio channels.

- v.* to observe, check, and track the progress or quality of something over a period of time

150. The patient will undergo _____ transplant surgery tomorrow.

- n.* a large organ in the body, involved in many metabolic processes, such as detoxification of the organism, and the synthesis of proteins

ANSWERS: 143. astrophysics, 144. suppose, 145. comparison, 146. absolutely, 147. vital, 148. survival, 149. monitor, 150. liver

151. The boss _____ her employee by belittling her in front of her colleagues.

- v.* to cause someone to feel ashamed, embarrassed, or degraded, especially in public or through revealing personal information

152. The _____ in the tropical forest was so high that it was hard to breathe.

- n.* the amount of water vapor in the air, typically as a percentage of the maximum that the air could hold at that temperature

153. Despite their tragic loss, the family is showing great _____.

- n.* the part of a person which is the seat of their mind, feelings, and character rather than their physical body; the general atmosphere of a place or situation and the effect that it has on people

154. The brain is an incredibly complex organ that controls the body's _____.

- n.* the purpose or use of an object, system, or process; a particular activity or operation that is designed to serve a specific purpose; a mathematical concept that describes a relationship between two sets of values, called the input and output sets; (verb) to operate or work in a specific way, or to perform a particular task or purpose

155. The religious ceremony was filled with _____ for the deity.

- n.* a feeling or expression of deep respect, reverence, or admiration for someone or something, often associated with religious or spiritual devotion

156. The vehicle bounced along the _____ mountain road.

- adj.* not quite exact or correct; having or caused by an irregular surface

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

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

ANSWERS: 151. humiliated, 152. humidity, 153. spirit, 154. function, 155. veneration, 156. rough, 157. critics

158. During winter, the _____ square becomes picturesque with snow-covered paths and trees.

- n.* an open square or rectangular area surrounded by buildings or walls, often found in educational institutions, monasteries, or other large buildings; a plane figure with four sides and four angles

159. He enjoys collecting _____ specimens.

- n.* a diurnal insect typically has a slender body with knobbed antennae and broad, colorful wings

160. We _____ a cease-fire.

- v.* to come to an end or close; to reach a judgment or opinion by reasoning

161. The surgeon removed the tumor using _____ video assistance.

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

162. We want to _____ you to our annual charity event.

- v.* to ask someone to come or join; to offer an opportunity or possibility for something to happen or take place

163. Supercomputers enable scientists to create computational models of the _____.

- n.* another name for the universe, mainly used when it is thought of as an ordered system

164. The frequent performances of the _____ prove its popularity.

- n.* a long musical composition in Western classical music for orchestra, usually with three or four main parts called movements

ANSWERS: 158. quadrangle, 159. butterfly, 160. concluded, 161. robotic, 162. invite, 163. cosmos, 164. symphony

165. The water shortage in the region has made it difficult for farmers to _____ their crops.

- v.* to supply water to land to help plants grow

166. He was reluctant to leave his comfort _____ and try something new.

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

167. His estate was _____ to his sons.

- v.* to give something to a large number of individuals, or to spread or furnish something

168. The company _____ him after several years of service.

- v.* to deposit or dispose of something, such as trash, waste, etc., carelessly or hurriedly

169. The _____ inequality was unavoidable.

- n.* a large amount of money, property, or other things that someone or an organization owns

170. One light year is nearly 6 _____ miles.

- n.* the number 1,000,000,000,000; a million million

171. 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

172. This weather pattern is unique to the southern _____.

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

ANSWERS: 165. irrigate, 166. zone, 167. distributed, 168. dumped, 169. wealth, 170. trillion, 171. environment, 172. hemisphere

173. Human conservation efforts often fail unexpectedly because they disturb the balance of the _____.
- n.* all the plants and living creatures in an area and the way they affect each other and the environment
174. She made a _____ impression.
- adj.* producing very clear, powerful, and detailed images in the mind
175. He found _____ in the warm embrace of his loved ones.
- n.* a state of physical ease and freedom from pain or constraint
176. The politician's powerful _____ energized the crowd and inspired action.
- n.* the act or art of delivering a formal or rhetorical speech, often in a loud or theatrical manner; the act of reciting or delivering a speech or poem in a highly expressive and dramatic way
177. _____ advances have disrupted many industries.
- adj.* based on scientific and industrial progress
178. Continuous consumption of fatty foods leads to the hardening of the _____.
- n.* one of the thick tubes in humans and most other animals that takes blood away from the heart to one or more parts of the body such as tissues, lungs, brain, etc.
179. Common salt is a sodium and chlorine _____.
- n.* an item composed of two or more distinct elements combined; a chemical formed by the combination of two or more elements
180. Fruits and vegetables are good sources of _____.
- n.* a substance that inhibits oxidation, especially one used to counteract the deterioration of stored food products

ANSWERS: 173. ecosystem, 174. vivid, 175. comfort, 176. declamation, 177. Technological, 178. artery, 179. compound, 180. antioxidants

181. The devastating _____ caused widespread damage and left many people homeless.

n. a violent, tropical, cyclonic storm of the western North Atlantic, having wind speeds of or over 64 knots (74 miles per hour)

182. 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

183. Clouds form when water _____ rises to the upper atmosphere.

n. a mass of tiny liquid drops in the air

184. She wiped the _____ off her forehead with a towel.

n. the salty liquid that is produced by the glands in the skin, especially when the body is hot or under stress

185. A supertanker continues to _____ oil off the coast of Spain.

v. to flow or pour out rapidly and in large quantities

186. The mother was _____ as she searched for her lost child.

adj. marked by uncontrolled excitement or emotion; wild; frenzied

187. The third _____ was far more successful.

n. an act or effort of trying to do something, especially something difficult

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

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

189. A vast _____ chandelier glittered brightly above us.

n. a solid material with many even sides that is formed naturally when the substance becomes solid and has a highly regular atomic structure; clear and colorless glass made of almost pure silica

ANSWERS: 181. hurricane, 182. degree, 183. vapor, 184. sweat, 185. gush, 186. frantic, 187. attempt, 188. biology, 189. crystal

190. The people of the village showed great _____ for the elderly.

n. a deep respect for someone or something

191. My hands felt _____ and sweaty during the exam.

adj. slightly wet, a state characterized by the presence of moisture or dampness

192. Many families were forced to evacuate their homes due to the _____ severity.

n. a tropical storm with strong winds and heavy rain, typically occurring in the western Pacific Ocean

193. He _____ back in time to the soccer game.

v. to move along very quickly; (noun) the act of rising upward into the air

194. The doctor diagnosed me with a _____ disorder.

n. a chemical substance made by organs that encourages or influences the development, growth, sex, etc., of an animal and is carried around the body in the blood

195. Only the _____ God has the power to brighten this dark land.

adj. very large, powerful, or strong

196. Recent electoral shocks have shaken the political _____ in Europe.

n. an expanse of scenery that can be seen in a single view; a large area of land, especially in the country and relating to its appearance

197. A smaller car will _____ less fuel.

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

ANSWERS: 190. reverence, 191. moist, 192. typhoon's, 193. zoomed, 194. hormone, 195. mighty, 196. landscape, 197. consume

198. He was alert and could not _____ any critical information out of him.

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

199. The _____ butterfly is known for its vibrant blue wings.

- n.* a genus of butterflies belonging to the family Nymphalidae, known for their vibrant blue wings, primarily found in Central and South America

200. He moved his body _____ to the left.

- adv.* in a small degree or extent; a little

201. Shakespeare's output of poetry was _____.

- adj.* extremely large or great

202. The _____ palace was built in the 18th century.

- adj.* very impressive or beautiful; magnificent

203. 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

204. The _____ party strongly disagreed with the government's proposed legislation.

- n.* the act of disagreeing or resisting; the state of strong disagreement

205. The violin's sound was so pure and _____ that it gave me chills.

- adj.* relating to the production of sound waves with a frequency that is an integral multiple of the frequency of the original wave; having a pleasing, pleasing, or agreeable sound.

ANSWERS: 198. pump, 199. morpho, 200. slightly, 201. enormous, 202. splendid, 203. fungus, 204. opposition, 205. harmonic

206. Hydrogen and oxygen _____ to form water.

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

207. The nurse inserted the needle into the _____ in his arm to draw blood.

n. a blood vessel that carries blood from various parts of the body back to the heart; a mineral deposit or layer of rock that is contained within another rock formation

208. The city is known for its impressive _____ and beautiful old buildings.

n. the art and science of designing and constructing buildings

209. They entered into _____ with the member of the ruling party.

n. a lot of discussion and argument about something, often involving strong feelings of anger or disapproval

210. His passionate speech makes a _____ impression.

adj. worth remembering or likely to be remembered, especially because of being very important or remarkable

211. I found a stink _____ crawling across the ceiling.

n. any tiny insect; a fault or defect in a computer program, system, or machine

212. He was so _____ that he thought he was always right.

adj. having or revealing an exaggerated sense of one's importance or abilities

213. Radiation from _____ has a different wavelength.

n. the light emitted by the sun; the rays of the sun

214. This facility has the largest astronomical _____ in the country.

n. a device like a tube in shape containing lenses used to magnify and observe distant objects

ANSWERS: 206. combine, 207. vein, 208. architecture, 209. controversy, 210. memorable, 211. bug, 212. arrogant, 213. sunlight, 214. telescope

215. The _____ of the company was estimated to be billions of dollars.

n. an estimation of the worth or value of something

216. The industrial _____ laws were passed with little to no alteration.

n. the way two persons or groups of people feel and act toward one another

217. The magician's tricks _____ the audience.

v. to fill with wonder, surprise, or admiration

218. The _____ hurricane season runs from June to November each year.

adj. relating to or located near the Atlantic Ocean, which is the second-largest ocean on Earth, located between the continents of North and South America to the west and Europe and Africa to the east

219. These birds can only _____ in temperate climates.

v. to live or exist despite a dangerous event or period

220. We must _____ a new system to streamline our workflow and increase efficiency.

v. to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created

221. Having _____ parking has been very beneficial throughout the winter.

adj. under the surface of the ground; a secret group organized to achieve a specific purpose, such as overthrowing the government or occupying a force

222. Both parties are now entirely ideologically _____.

v. to put or arrange two or more things in a straight line or to form a straight line

ANSWERS: 215. valuation, 216. relations, 217. amazed, 218. Atlantic, 219. survive, 220. develop, 221. underground, 222. aligned

223. I always look forward to reading his stories since they're so _____.

adj. showing inventiveness and ability or skill

224. The company planned to _____ a large rainforest area to make way for a new plantation.

v. to clear an area of forest or trees

225. We can connect this battery charger to any _____.

n. a device in a wall into which a plug is inserted to connect electrical devices to a building's power source; a hollow into which a structure fits

226. Ethics is a branch of _____.

n. the study of general and fundamental questions, such as those about existence, reason, knowledge, values, mind

ANSWERS: 223. ingenious, 224. deforest, 225. socket, 226. philosophy