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Vocabulary Builder Reference from...

Michael Pawlyn: Using nature's genius in architecture

| TED Talk

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All Words

IMPORTANT

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Session 1: Word List

spin

v. to cause something to rotate rapidly; to cause someone to feel dizzy or disoriented

synonym : rotate, twirl, swirl

(1) **spin** a top, (2) **spin** thread out of cotton

The tornado is **spinning** across the countryside, destroying everything in its path.

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.

abdomen

n. the part of the body between the chest and pelvis that contains the stomach, intestines, liver, pancreas, and other organs; the posterior part of an insect's body, typically divided into segments

synonym : belly, gut, tummy

(1) **abdomen** pain, (2) insect **abdomen**

The weightlifter used his strong **abdomen** muscles to lift the heavy barbell.

spider

n. a small, eight-legged creature that spins webs to catch insects as food; a computer program that systematically browses the World Wide Web for purposes of web indexing

synonym : arachnid, wanderer

(1) **spider** venom, (2) web **spider**

The **spider** spun an intricate web in the corner of the room.

silk

n. a fine, strong, soft, lustrous fiber produced by silkworms in making cocoons and collected to make thread and fabric

synonym : satin, taffeta, velvet

(1) **silk** road, (2) **silk** fabric

She wore a **silk** dress to the party.

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.

humming

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

synonym : buzzing, droning, vibrating

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

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

aramid

adj. relating to a type of strong, heat-resistant synthetic fiber that is used in the production of protective clothing, bulletproof vests, and other high-strength materials

synonym : aromatic, polymeric, synthetic

(1) **aramid** composites, (2) **aramid** gloves

The **aramid** fibers used in constructing the bulletproof vest provided excellent protection.

involve

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

synonym: implicate, include, engage

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

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

extreme

adj. very great in amount or degree

synonym: farthestmost, outermost, fierce

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

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

temperature

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

synonym: climate, warmth, degree

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

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

pollution

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

synonym: corrosion, deterioration, corruption

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

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

ambient

adj. relating to the immediate surroundings of something; creating a particular atmosphere or mood, often through sound or lighting

synonym: atmospheric, surrounding, encompassing

(1) **ambient** temperature, (2) **ambient** air pollution

The **ambient** lighting in the restaurant created a cozy and romantic atmosphere.

beetle

n. an insect having a hard shell-like back covering its wings

(1) **beetle** brows, (2) a **beetle** larva

In ancient civilizations, the scarab **beetle** was worshiped as a sacred creature.

detect

v. to find or recognize something, especially something difficult to see, hear, etc.

synonym : catch, observe, notice

(1) **detect** a bad event, (2) **detect** smuggling across borders
The security camera has **detected** four intruders.

roughly

adv. approximately but not precisely; with a violent manner

synonym : approximately, more or less, around

(1) **roughly** explain my idea, (2) **roughly** speaking
Five miles is **roughly** similar to eight kilometers.

human-made

adj. created or produced by humans; artificial

synonym : artificial, unnatural, manufactured

(1) **human-made** climate change, (2) the worst **human-made** disaster

The bridge is a **human-made** structure and was built to span the river.

burning

adj. intense or scorching heat

synonym : scorching, blazing, smoldering

(1) **burning** desire, (2) **burning** passion

The fire spread rapidly, engulfing everything in its path in a **burning** inferno.

fossil

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

synonym : relic, remnant, antediluvian

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

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

fuel

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

synonym :

energy, power, gas

(1) biomass **fuel**, (2) smokeless **fuel**

The **fuel** scarcity most severely impacted the manufacturing sector

mimicry

n. the act or skill of copying the sounds or behavior of a particular person or animal, often to make people laugh
synonym: imitation, apery

(1) vocal **mimicry**, (2) floral **mimicry**

Some insects use **mimicry** to avoid detection by predators.

achieve

v. to successfully complete a task or goal, often through hard work, perseverance, and dedication; to attain or accomplish something that one has set out to do

synonym: accomplish, attain, reach

(1) **achieve** success, (2) **achieve** milestones

I will work hard to **achieve** my goals and realize my dreams.

progression

n. the act or process of changing to the next stage or phase or moving forward

synonym: advancement, development, evolution

(1) **progression** of civilization, (2) **progression** of disease

The company has made great strides in its **progression** toward sustainability.

sustainable

adj. able to continue or be continued for a long time

synonym: continuable, endurable, tolerable

(1) **sustainable** alternative fuel, (2) principles of **sustainable** development

The government should do more to support environmentally **sustainable** agriculture.

revolution

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

synonym: coup, innovation, rebellion

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

revolution

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

radical

adj. relating to the essential aspects of anything; far beyond the norm, mainly used of opinions and actions

synonym: extreme, revolutionary

(1) a **radical** flaw in the plan, (2) a **radical** cure

The government established by the coup was more **radical** than before.

efficiency

n. the state or quality of doing something well with no waste of input such as time or money

synonym: effectiveness, efficacy, productivity

(1) better fuel **efficiency**, (2) an energy **efficiency**

Our company must continue to strive for greater **efficiency**.

secondly

adv. used to introduce the second point or item in a list or series of statements, considerations, etc.

synonym: in the second place, next, subsequently

(1) **secondly** connected, (2) **secondly**, it is important

Firstly, we will discuss the budget; **secondly**, we will go over the schedule.

shifting

adj. constantly changing or moving

synonym: unfirm, shifty, fluctuating

(1) **shifting** balance, (2) continuously **shifting** landscape

Trends in the fashion industry are so **shifting** that it is challenging to keep up with them.

linear

adj. of, relating to, or consisting of lines or length; able to be expressed as a straight line, especially on a graph

synonym: straight, direct, right

(1) **linear** trend, (2) a **linear** equation

People tend to make **linear** predictions.

wasteful

adj. characterized by excessive or unnecessary use or consumption; using resources or materials inefficiently or inappropriately, resulting in unnecessary waste or expense

synonym: uneconomical, extravagant, profligate

(1) **wasteful** practices, (2) **wasteful** habits

Buying new clothes every week is a **wasteful** use of money and resources.

pollute

v. to make an area or substance, such as land, air, water, etc., dirty or harmful to living things by adding waste matter or harmful chemicals

synonym: contaminate, corrupt, degrade

(1) **pollute** the air, (2) **pollute** the thread

We should do our best not to **pollute** the environment.

loop

n. a shape like a curve or a circle made by something long and thin, such as a piece of string, that bends round and crosses itself

synonym: circle, curl, spiral

(1) exit from a **loop**, (2) positive feedback **loop**

Many people in this city use the **loop** railway for transportation.

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.

solar

adj. of, from, or relating to the sun

(1) the **solar** system, (2) a **solar** eclipse

Solar panels have greatly improved not only in performance

but also in durability.

catalog

n. a complete list of items, often including technical details and prices

synonym: directory, list, register

(1) a classified **catalog**, (2) **catalog** card

She used the online **catalog** to find the perfect pair of earrings for her sister's birthday.

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.

invest

v. to put money, effort, time, etc. into something to make a profit or achieve a result

synonym: fund, sponsor, support

(1) **invest** in stocks, (2) **invest** capital

The government should view children as national assets and actively **invest** in them.

explore

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

synonym: analyze, delve into, examine

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

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

greenhouse

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

synonym: conservatory

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

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

irregular

adj. not having an even or balanced shape or arrangement; contrary to the usual rule, accepted order, or what is expected

synonym: periodic, rare, inconsistent

(1) **irregular** verbs, (2) **irregular** periods

Driving was difficult on the **irregular** cobblestoned surface.

continually

adv. in a way that happens without interruption or repeatedly

synonym: repeatedly, frequently, constantly

(1) **continually** access information, (2) **continually** changing world

Her tongue runs on **continually**.

quarry

n. a place where a stone or other materials are extracted from the ground; an animal or a person that is the target of hunting

synonym: stone pit, prey, target

(1) **quarry** operation, (2) **quarry** site

The hunter tracked down his **quarry** in the woods.

hell

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

synonym: inferno, agony, misery

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

The battlefield became **hell** on earth.

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.

clue

n. an object, a piece of evidence, or some information that helps someone to find the answer to a problem, question, or mystery

synonym: hint, indication, inkling

(1) a **clue** about the crime, (2) a **clue** to the diagnosis
The police couldn't find a **clue** to her whereabouts.

instance

n. a particular example or single occurrence of something

synonym: example, sample, illustration

(1) for **instance**, (2) notable **instance**

These articles cite five **instances** of climate change.

bubble

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

synonym: blob, balloon, mania

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

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

generate

v. to produce or create something; to make offspring by reproduction

synonym: create, yield, produce

(1) **generate** more electricity, (2) **generate** \$100 a month

The economic stimulation program would **generate** a lot of new jobs.

regardless

adv. not paying attention or considering something or someone even if the situation is bad or there are difficulties

synonym: anyhow, nevertheless, still

(1) **regardless** of the difficulties, (2) **regardless** tread

People can pick out superior products **regardless** of the quality of the advertising.

pollen

n. a fine powder substance consisting of microscopic grains produced by plants that facilitate their reproductive process through the process of pollination
synonym : dust, spores, allergen

(1) **pollen** allergy symptoms, (2) high **pollen** count

My allergies flare up during **pollen** season, making it difficult to breathe.

grain

n. wheat or any other small hard seeds used as a food; a relatively small granular particle of a substance
synonym : seed, piece, cereal

(1) a **grain** of sand, (2) flour made from **grain**

Ordinary air purifiers cannot adequately remove pollen **grains**.

radiology

n. the branch of medicine that uses medical imaging technologies such as X-rays, CT scans, MRIs, and ultrasound to diagnose and treat diseases and injuries
synonym : medical imaging, radiography, radioscopy

(1) interventional **radiology**, (2) diagnostic **radiology**

The patient underwent a **radiology** scan to diagnose their medical condition.

carbon

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

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

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

molecule

n. a group of two or more atoms held together by attractive forces known as chemical bonds
synonym : particle, element, atom

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

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

devise

v. to come up with an idea, plan, theory, etc., using your intelligence or imagination

synonym : create, concoct, invent

(1) **devise** a plan, (2) **devise** a literary plot

They had to **devise** a system that did not depend on fossil fuels.

efficient

adj. performing at the highest level of productivity with the least wasted effort or resources; capable of achieving maximum output with minimum wasted effort, time, or materials

synonym : productive, effective, competent

(1) **efficient** operation, (2) energy- **efficient** appliances

The new washing machine is much more **efficient** than the old one.

structural

adj. associated with the way on construction or organization of anything

synonym : architectural, basic, anatomical

(1) **structural** analyses, (2) **structural** reorganization

The earthquake resulted in significant **structural** destruction.

hexagon

n. a six-sided polygon with six angles and six sides of equal length

synonym : hexahedron, six-sided figure, six-gon

(1) **hexagon** head bolt, (2) **hexagon** pattern

The honeycomb structure of a beehive is made up of **hexagons**.

pentagon

n. a flat geometric shape with five straight sides and five angles; a building in Washington, D.C., that houses the U.S. Department of Defense and is the headquarters of the U.S. military

synonym : five-sided shape, quinquangle

(1) equilateral **pentagon**, (2) **pentagon** building

The shape of the building is a distinctive five-sided **pentagon**.

maximum

adj. the largest or greatest amount or value attainable or attained

synonym : peak, top, highest

(1) **maximum** limit, (2) the **maximum** speed

The **maximum** temperature recorded this summer was higher than average.

alternative

n. one of two or more available possibilities or choice

synonym : choice, option

(1) an **alternative** plan, (2) there is no other **alternative**

Doctors are gradually coming around to the idea of using **alternative** medicines.

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.

membrane

n. a soft, thin layer that forms animal or vegetable tissue

synonym : tissue layer

(1) cell **membranes**, (2) nuclear **membrane**

Loud noises might harm the fragile ear **membrane**.

strength

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

synonym : resilience, power, muscles

(1) **strength** of the economy, (2) muscular **strength**

Health and **strength** are, above all, gold.

polymer

n. a substance composed of macromolecules (= large groups of atoms) made from many smaller and simpler molecules

(1) **polymer** fiber, (2) biological **polymer**

We are developing plant-derived **polymers** to reduce

environmental impact.

layer

n. a sheet, quantity, or thickness of the material, typically one of several, covering a surface or body; a level or part within a system or set of ideas

synonym : stratum, sheet, coating

(1) **layer** cake, (2) **layer** of paint

The **layer** of frost on the ground was so thick it was difficult to walk on.

weld

v. to join two or more pieces of metal together by heating their edges until they melt and fuse

synonym : fuse, join, bond

(1) **weld** a team of such people, (2) **weld** two broken pipes

He learned how to **weld** metal in his high school shop class.

inflate

v. to fill something with air or gas so that it becomes bigger and rounder

synonym : blow up, expand, puff up

(1) **inflate** a tire, (2) **inflate** expense reports

She **inflated** the balloons for the party.

glaze

v. to cover or coat with a thin layer of film, particularly a shiny or glossy layer, such as a layer of protective material on ceramics or a top coat of paint on a surface; to apply a thin, glossy coating to food, often using a sauce or syrup

synonym : coat, enamel, varnish

(1) **glaze** a window, (2) **glaze** over eyes

The baker used a brush to **glaze** the donuts with a sweet, shiny coating.

cycle

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

synonym : revolution, rotation, bike

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

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

breakthrough

n. a sudden, dramatic, and important discovery or development that helps to improve a situation or provide an answer to a problem

synonym: advance, progress, innovation

(1) **breakthrough** in the negotiations, (2) **breakthrough** discovery

A technique called deep learning has led to **breakthroughs** in AI.

facilitate

v. to make something easier or more likely to happen

synonym: aid, assist, help

(1) **facilitate** a smooth transition, (2) **facilitate** the process

The company implemented a new software system to **facilitate** employee communication and collaboration.

lightweight

adj. composed of thinner and lighter material than average; not severe or impressive

(1) **lightweight** aircraft, (2) **lightweight** structure

Powder coating protects the **lightweight** aluminum alloy components.

steel

n. a strong metal alloy made up of iron with typically a few tenths of a percent of carbon used for making things that need a strong structure

synonym: iron

(1) magnetic **steel**, (2) **steel** beam

This bridge is the third largest **steel** bridge in the world.

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.

superstructure

n. the part of a structure or building that is built on top of the foundation or base; a framework or system that is

built on top of something else and supports or enhances it

synonym : framework, structure, infrastructure

(1) **superstructure** design, (2) wooden **superstructure**

The bridge's **superstructure** was carefully constructed to withstand high winds and heavy traffic.

foundation

n. the lowest load-bearing part of a building, typically below ground level; a fundamental basis or principle upon which something is built or established; an organization that provides funding or support for charitable or educational purposes

synonym : base, support, groundwork

(1) **foundation** course, (2) weak **foundation**

The **foundation** of the building was cracked and needed to be repaired.

fairly

adv. to a certain extent or degree; without favoring one party in an evenhanded manner

synonym : moderately, reasonably, pretty

(1) **fairly** accurate, (2) have a **fairly** clear view

He deals **fairly** with his employees.

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**.

fraction

n. a small part or item forming a piece of a whole; the quotient of two rational numbers

synonym : piece, part, fragment

(1) a **fractional** share of the vote, (2) a numerator in a **fraction**

He spent only a **fraction** of his earnings.

giant

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

synonym: big, gigantic, huge

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

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

lily

n. a flowering plant with large, showy, trumpet-shaped flowers, typically symbolizing purity, innocence, and beauty

(1) **lily** perfume, (2) water **lily**

The beautiful **lily** garden in the park was a sight to behold.

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.

abalone

n. a type of marine mollusk or sea snail that is highly valued for its meat and attractive, iridescent shell, which is often used for decorative or jewelry-making purposes

synonym: sea snail, mollusk, shellfish

(1) the **abalone** divers, (2) **abalone** meat

She was wearing a beautiful necklace made from an **abalone** shell.

shell

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

synonym: ammunition, armor, cover

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

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

extract

n. a short passage taken from a book, piece of music, etc.; a substance obtained from something through a specific process; (verb) to obtain from something or to remove something by effort or force

synonym: excerpt, quote, distillation

(1) a brief **extract** from the book, (2) botanical **extract**

Anesthetize the gum before **extracting** the teeth.

dispose

v. to put things or people in a particular manner or position; to incline someone towards a specific activity or mood; throw or cast away

synonym: get rid of, arrange, set

(1) **dispose** battleships for a battle, (2) **dispose** of a used product

Generally speaking, the child is innately **disposed** to learn a language.

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**.

organism

n. a tiny living thing

synonym: being, creature

(1) aerobic **organism**, (2) group of **organisms**

A diversified plant species generally enhances beneficial **organism** populations.

nutrient

n. any substance that is essential for the maintenance and growth of living things

synonym: food, vitamin

(1) **nutrient** medicine, (2) a **nutrient** for hair

They used fast-acting **nutrients** on the flowers in the flower beds.

deliberately

adv. done in an intentional or slow and careful manner

synonym: intentionally, knowingly, willfully

(1) **deliberately** amateurish, (2) commit a crime

deliberately

He **deliberately** misleads others.

mimic

v. to imitate someone's speech, movement, or behavior, especially to make others laugh

synonym: mirror, imitate, ape

(1) **mimic** a human voice, (2) **mimic** numerous instruments

He is very popular at school because he can **mimic** all the teachers' accents.

cardboard

n. a stiff, thick material made from compressed paper pulp used to make boxes and other packaging materials

synonym: corrugated board, paperboard

(1) **cardboard** box, (2) **cardboard** cutout

I made a **cardboard** box to store my winter clothes in.

caviar

n. the eggs of sturgeon or other large fish considered a delicacy and used especially in appetizers

synonym: roe, sturgeon eggs

(1) salmon **caviar**, (2) **caviar** farm

The menu at the fancy restaurant featured a selection of **caviar** from around the world.

graham

n. a type of flour made from whole wheat that has had the bran and germ removed and is often used to make crackers or cookies; a cracker made with this type of flour

synonym: cracker, biscuit, wafer

(1) **graham** bread, (2) **graham** flour

I enjoyed my camping trip with friends, toasting

marshmallows over a glowing **graham** cracker.

landfill

n. a site for the disposal of waste materials

synonym: dump, trash-yard, waste-yard

(1) disposal in a **landfill**, (2) **landfill** sites

This country faces problems in finding enough suitable **landfill** sites.

animation

n. the technique of photographing successive drawings or positions of puppets or models to create an illusion of movement when the film is shown as a sequence; enthusiasm and energy in the way you look or behave

synonym: motion, movement, liveliness

(1) **animation** studio, (2) **animation** film

The **animation** of the characters in the movie was so realistic, and it was as if they were there.

shred

v. to tear or cut something into a small pieces; (noun) a tiny or scarcely detectable amount

synonym: rip up, tear up, cut

(1) **shred** paper into little pieces, (2) **shred** lettuce for a salad

There is not a **shred** of evidence that he is guilty.

equestrian

adj. relating to or involving horses or horse riding

synonym: horseback, horse-riding, horse-mounted

(1) **equestrian** sport, (2) an **equestrian** statue

The **equestrian** event was one of the highlights of the competition.

soil

n. the top layer of Earth in which plants grow

synonym: earth, ground, mud

(1) **soils** retentive of moisture, (2) parched **soil**

Soil moisture is another significant component controlling soil respiration.

worm

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

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

Worms help dispose of the food waste produced by humans.

compost

n. a mixture of organic matter, such as food scraps, yard waste, and manure, that is allowed to decompose and is used as fertilizer for plants and garden soil

synonym: fertilizer, humus, manure

(1) organic **compost**, (2) **compost** pile

You can add coffee grounds and crushed eggshells to your **compost** to improve the pH balance.

sturgeon

n. a large, bony fish with a long, pointed snout and scaleless skin found in the northern hemisphere

(1) **sturgeon** fish, (2) **sturgeon** caviar

Sturgeon meat is considered a delicacy in many countries around the world.

transform

v. to change in outward structure or looks;

synonym: alter, convert, change

(1) **transform** an education system, (2) **transform** heat into power

My father's death **transformed** my life completely.

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.

element

n. a fundamental or essential part of something

synonym: component, feature, essence

(1) new design **elements**, (2) nonmetallic **elements**

Natural selection is an essential **element** in Darwin's theory of evolution.

stream

n. a small, narrow river; a continuous flow of something, such as liquid, gas, people, vehicles, etc.

synonym: flow, current, brook

(1) the **stream** of time, (2) an endless **stream** of cars

Jet **streams** are the common name for air currents that form high in the atmosphere.

scheme

n. an organized and often large-scale plan or arrangement for doing something

synonym: strategy, blueprint, plan

(1) a pilot **scheme**, (2) draw out a **scheme**

They carefully executed the well-planned **scheme** they had prepared over the years.

diversity

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

synonym: variety, multiplicity, variousness

(1) the **diversity** policy of the university, (2) lingual **diversity**

He was impressed by the range and **diversity** of the collection.

resilient

adj. able to withstand or recover quickly from difficult conditions

synonym: robust, sturdy, tough

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

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

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.

quirk

n. a peculiar behavior, habit, or characteristic that is distinctive to an individual or group

synonym: eccentricity, idiosyncrasy, peculiarity

(1) personality **quirk**, (2) a **quirk** of fate

One of her **quirks** is that she always wears mismatched socks.

implication

n. something that is inferred or indirectly stated; the act or fact of being involved in something

synonym: suggestion, association, conclusion

(1) the **implication** in a crime, (2) the **implication** of a word

His poem has a very significant **implication**.

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.

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.

metabolism

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

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

Better sleep leads to increased **metabolism**.

productive

adj. resulting in or making a lot or a significant amount of something, especially something of value

synonym:

efficient, fruitful, successful

(1) low **productive** capacity, (2) **productive** meeting

The new employee proved extremely **productive**, completing projects ahead of schedule.

anaerobic

adj. living or occurring in the absence of oxygen; relating to or involving a process that does not require oxygen

synonym: oxygen-free, without oxygen, anoxic

(1) **anaerobic** atmosphere, (2) **anaerobic** exercise

Anaerobic bacteria thrive in environments without oxygen, such as a sealed landfill.

digest

v. to transform food into absorbable substances; break down

synonym: absorb, condense

(1) **digest** information, (2) help **digest** food

Most babies can readily **digest** a wide variety of foods.

biodegrade

v. to decay naturally by microorganisms, such as bacteria and fungi

(1) **biodegrade** by the microorganism, (2) bioplastic designed to **biodegrade**

The company's plastic products are easily **biodegraded** thanks to a unique manufacturing process.

electrify

v. to make a machine or system work by using electricity; to make someone extremely enthusiastic about or interested in something

synonym: wire, amaze, astonish

(1) **electrify** the audience, (2) **electrify** a manufacturing process

The product developed through years of research continues to **electrify** the market.

grid

n. a pattern of regularly spaced horizontal and vertical lines; a system of high tension cables by which electrical

power is distributed throughout a region

synonym : gridiron, battery grid, power system

(1) a **grid** design, (2) a wire **grid**

Grid pattern roads often appear in urban areas.

treatment

n. the way in which someone deals with or behaves towards someone or something; medical care provided to a patient for an injury or illness.

synonym : remedy, antidote, medicine

(1) first-aid **treatment**, (2) **treatment** by diet

The primary purpose of the **treatment** is pain relief.

wastewater

n. water that contains waste substances from homes, farms, factories, etc.

synonym : drainage, sewerage

(1) **wastewater** disposal equipment, (2) biological **wastewater**

As that country developed its industry, it began to invest more in **wastewater** treatment technology.

solid

adj. hard or firm; characterized by good substantial quality

synonym : stable, reliable, hard

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

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

micro

n. extremely small in scale or scope; one millionth

(1) **micro** bubble, (2) **micro** force sensor

This approach employs both **micro** and macro analysis methods.

supple

adj. flexible and easy to bend or move; gracefully agile; adaptable or responsive to change or new ideas

synonym : flexible, pliable, bendable

(1) **supple** muscles, (2) **supple** leather

The ballerina's **supple** movements left the audience mesmerized.

substrate

n. a substance or layer from which an organism grows and lives and by which an organism is supported; a substance on which an enzyme or ferment act

(1) a silicon **substrate**, (2) **substrate** cell

Computational simulations help determine which **substrate** molecule is susceptible to change by specific enzymes.

mushroom

n. a type of fungus that grows on dead or decaying organic matter and typically has a stalk and an umbrella-shaped cap

synonym: fungus, toadstool

(1) **mushroom** spores, (2) **mushroom** cultivation

The **mushroom** risotto was delicious, but I couldn't identify all the mushrooms in it.

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.

roundabout

n. a circuitous or indirect route or path; a traffic circle or rotary used to regulate the flow of traffic

synonym: detour, circuitous route, indirect path

(1) **roundabout** junction, (2) traffic **roundabout**

Because of the road closure, we had to take a **roundabout** route to reach the destination.

eyesore

n. something unpleasant, unattractive, or offensive to look at, often because it is neglected, run-down, or out of place

synonym: monstrosity, blot, blemish

(1) environmental **eyesore**, (2) **eyesore** landscape

The construction site was an **eyesore** that disrupted the peacefulness of the area.

recognize

v. to acknowledge or realize something or someone; to identify, remember, or become aware of something that was previously known or encountered

synonym: acknowledge, identify, admit

(1) **recognize** talent, (2) **recognize** achievement

It's important to **recognize** your strengths and weaknesses.

dominate

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

synonym: govern, rule, prevail

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

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

traffic

n. the movement of vehicles, people, or goods along a route or through a transport system; the amount of such movement in a particular place or at a particular time

synonym: congestion, jam, flow

(1) **traffic** jam, (2) heavy **traffic**

We decided to take a detour to avoid the construction **traffic** on the main road.

reconnect

v. to connect again after a break or interruption

synonym: reopen, rejoin, link up

(1) **reconnect** a telephone, (2) **reconnect** with family

After a long period of estrangement, they **reconnected** with each other.

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**.

cedar

n. a type of fragrant, evergreen tree that is known for its reddish-brown wood and its use in furniture, building materials, and as an ornamental plant

synonym: juniper, redwood, pine

(1) **cedar** wood, (2) **cedar** bark

Tall **cedar** trees surrounded the cabin in the woods.

cypress

n. a tall, conical-shaped evergreen tree with small, needle-like leaves and small cones, often used in landscaping and as ornamental trees

synonym: evergreen, conifer

(1) **cypress** swamp, (2) **cypress** wood

The **cypress** trees provide a picturesque backdrop for the lake.

evolution

n. a gradual process of transformation of living things

synonym: elaboration, expansion, transition

(1) human **evolution**, (2) **evolution** theory

They study the **evolution** of the universe.

colonize

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

synonym: settle, occupy, inhabit

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

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

benign

adj. kind and gentle; not harmful or malicious

synonym: kind, gentle, harmless

(1) **benign** tumor, (2) a **benign** smile

The lump was discovered to be **benign**, and no further treatment was needed.

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.

converse

v. to talk informally

synonym: discourse, discuss, exchange

(1) **converse** with an acquaintance, (2) ask a **converse** question

She enjoyed the opportunity to **converse** with a person who spoke her language.

vegetation

n. plants in general, particularly those indigenous to a particular region or spot

synonym: flora, leafage, foliage

(1) tropical **vegetation**, (2) dense **vegetation**

The **vegetation** in the area is quite diverse.

exacerbate

v. to make a situation, problem, or feeling worse

synonym: worsen, aggravate, escalate

(1) **exacerbate** the situation, (2) **exacerbate** symptoms

The heat wave **exacerbated** the drought conditions.

photosynthesis

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

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

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

boundary

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

synonym: border, frontier, limitation

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

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

shift

n. a slight transition in position, direction, or trend

synonym:

transition, change, modification

(1) Doppler **shift**, (2) major paradigm **shift**

Could you help me **shift** some furniture?

intervene

v. to intentionally get involved in a situation to improve it or prevent it from getting worse

synonym: interfere, mediate, intercede

(1) **intervene** in a dispute, (2) **intervene** between quarreling parties

Following international law, our country does not **intervene** in the internal affairs of our neighbors.

halt

v. to bring or come to a stop; to force to stop moving or operating

synonym: stop, cease, terminate

(1) **halt** production, (2) **halt** progress

The train came to a **halt** at the station.

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.

evolve

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

synonym: develop, mature, grow

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

Eyeless fish **evolved** in dark caves.

amazing

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

synonym: exceptional, extraordinary, wonderful

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

The golfer recorded an **amazing** distance.

adaptation

n. the action or process of changing to suit different conditions

synonym: adaption, adjustment, transformation

(1) **adaptation** ability, (2) language **adaptation**

The company's **adaptation** approach has been highly effective.

scarcity

n. the state of being in short supply; a small and inadequate amount

synonym: lack, absence, dearth

(1) fuel **scarcity**, (2) **scarcity** of capital

Some research says that a relative decline in teacher salaries is causing labor **scarcity**.

fog

n. a thick cloud consisting of tiny water droplets or ice crystals suspended in the air at or near the Earth's surface; a weather condition in which visibility is reduced because of a cloud of water

synonym: cloud, mist, smog

(1) a dense **fog**, (2) front **fog** lights

The **fog** cleared away, and the star-filled sky appeared.

harvest

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

synonym: crop, reaping, yield

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

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

crawl

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

synonym: creep, drag

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

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

sand

n. finely granulated particles of rock or mineral material typically found along beaches, deserts, or riverbeds; used in construction, landscaping, and other

applications requiring drainage or abrasive action

synonym : grit, dust, powder

(1) **sand** dunes, (2) **sand** castle

The **sand** on the beach was warm and golden.

dun

adj. having a dull brownish-gray color, often used to describe the color of certain animals, such as a dun horse; (verb) to repeatedly and insistently demand payment of a debt or money owed

synonym : dark, gloomy, somber

(1) **dun** horse, (2) **dun** him for the unpaid bills

The spider was camouflaged on the **dun-colored** rock, waiting for its next prey.

matte

adj. having a surface without a shine, luster; non-glossy

synonym : dull, flat, lusterless

(1) **matte** coating, (2) photo with a **matte** finish

The body of his car has a **matte** finish.

radiate

v. to spread out or emit something, such as light or heat, in all directions

synonym : give off, scatter, beam

(1) **radiate** an aura, (2) **radiate** in all directions

Roads **radiate** from the famous building in the center of the city.

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.

surround

v. to be all around something or somebody

synonym : encircle, encompass, envelop

(1) **surround** a town, (2) a stone wall **surrounds** the palace

On three sides, mountains **surround** the settlement.

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.

breeze

n. a gentle wind that is not very strong or forceful, typically cool and refreshing

synonym : wind, gust, puff

(1) a **breeze** from an open window, (2) fresh ocean **breeze**

The summer **breeze** was refreshing after the hot day.

droplet

n. a small drop of liquid

synonym : bead, drip, dewdrop

(1) **droplet** size, (2) **droplet** formation

A single **droplet** of water can reflect the entire world upside down.

sunrise

n. the time in the morning when the sun first appears in the sky

synonym : daybreak, morning, dawn

(1) beautiful **sunrise**, (2) high-technology **sunrise** industries

I got up early to watch the **sunrise** at the summit.

tip

n. the top or extreme point of something slender or tapering, usually a mountain or hill; a piece of advice about something practical; a small amount of money given for services

synonym : edge, advice, gratuity

(1) the **tip** of a paintbrush, (2) give the waiter a **tip** .

I will introduce some **tips** on learning English in this class.

ingenuity

n. the quality of inventing things or solving problems in clever new ways

synonym : creativity, invention, originality

(1) the infinite **ingenuity** of man, (2) abound in **ingenuity**

Creativity and **ingenuity** are often brought about by extreme

concentration.

bump

v. to hit or knock against something hard, often with a dull sound; to meet with by accident

synonym: collide, hit, jolt

(1) **bump** against a wall, (2) **bump** up prices

She accidentally **bumped** into him in the crowded room.

hydrophilic

adj. having a strong affinity or attraction to water; capable of absorbing or dissolving in water

synonym: water-attracting, water-loving

(1) **hydrophilic** polymers, (2) **hydrophilic** properties

The **hydrophilic** material easily absorbs and retains water.

attract

v. to draw or entice someone or something towards them through the qualities they have, especially positive ones

synonym: lure, entice, draw in

(1) **attract** attention, (2) **attract** customers

The government is eager to **attract** international investment.

waxy

adj. having a texture or appearance that is similar to wax; smooth and shiny; resistant to water or other liquids

synonym: greasy, oily, glossy

(1) **waxy** texture, (2) **waxy** buildup

The **waxy** coating on the apple made it difficult to wash.

repel

v. to force an attack or attacker to withdraw or retreat

synonym: turn away, fight off, force back

(1) **repel** bandits, (2) **repel** bad luck

This material can **repel** moisture swiftly.

tight

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

synonym: closed, secured, cramped

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

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

spherical

adj. having the shape of a sphere; round, spherical, or ball-shaped in appearance

synonym : round, orbicular, spherical

(1) **spherical** shape, (2) **spherical** object

The Earth is a nearly **spherical** planet.

bead

n. a small, usually round object made of glass, wood, or plastic that is used for decoration or as part of jewelry

synonym : pearl, droplet, marble

(1) a beautiful **bead**, (2) **bead** curtain

She threaded the **beads** onto the string to make a necklace.

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.

constrain

v. to restrict or limit someone or something's freedom or ability to do something

synonym : restrict, limit, confine

(1) **constrain** his freedom, (2) **constrain** information flow

The political situation **constrained** the country's economic growth and foreign relations.

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**.

relevance

n. the state or degree of being closely connected or appropriate to the matter at hand

synonym : pertinence, applicability, connection

(1) have no **relevance**, (2) **relevance** category

The **relevance** of this information to the current situation needs to be investigated.

invention

n. the creation of a new device or process resulting from study and experimentation; the act of inventing

synonym: creation, design, innovation

(1) the **invention** of new techniques, (2) common **invention**
Necessity is the mother of **invention**.

seawater

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

synonym: saltwater, brine, ocean water

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

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

arid

adj. lacking in moisture or rainfall; dry and barren; lacking in interest, life, or vitality

synonym: dry, parched, barren

(1) **arid** terrain, (2) semi- **arid** zone

The desert is known for its **arid** climate and lack of rainfall.

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.

grill

n. a device used for cooking food by direct exposure to heat, typically a metal rack set over a fire or gas flame, or a part of an oven; (verb) to cook something over or under a grill

synonym: barbecue, broiler, griddle

(1) gas **grill**, (2) **grill** a steak

The restaurant is famous for its **grill**, where they serve the best steaks.

trickle

v. to flow or drip slowly and in small amounts; to happen or occur gradually or in small quantities

synonym: dribble, flow, seep

(1) **trickle** down my cheek, (2) **trickle** from his eyes

Water was beginning to **trickle** into the basement after the heavy rain.

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.

condense

v. to reduce the volume or size of something, often by removing water or other liquid; to make something shorter, more concise, or more concentrated

synonym: compress, compact, shorten

(1) **condense** the text, (2) **condense** water vapor

I need to **condense** all of my notes into a manageable summary for my presentation.

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.

freshwater

adj. living in, found in, or connecting with water that does not contain salt

(1) **freshwater** area, (2) **freshwater** aquatic bird

This microbe is a parasite of **freshwater** fish.

identical

adj. being the exact same one

synonym: duplicate, exact, analogous

(1) pair of **identical** twins, (2) an **identical** equation

Infant formulas are nutritionally almost **identical** to a mother's breast milk.

combination

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

synonym: blend, hybrid, compounding

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

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

elevate

v. to raise something from a lower to a higher position; to give a promotion to or assign to a higher position

synonym: lift, heighten, promote

(1) **elevate** educational standards, (2) **elevate** a close relationship

Eating food in a hurry **elevates** blood glucose levels.

dramatic

adj. very sudden, very excellent, or full of action and excitement

synonym: striking, theatrical, breathtaking

(1) make **dramatic** changes, (2) a **dramatic** rescue at sea

The statement had a **dramatic** impact on house prices.

photograph

n. a picture or image that is produced by a camera; a visual representation or record of a person, object, or scene that has been captured electronically or on film

synonym: photo, picture, snapshot

(1) **photograph** album, (2) **photograph** memories

I found an old **photograph** of my grandparents from their wedding day.

completion

n. the act or process of finishing something that you are doing or making; the state of being finished

synonym: fruition, realization, accomplishment

(1) a **completion** ceremony, (2) scheduled **completion** date

The mayor announced that the renovation of the city hall is

now nearing **completion**.

blot v. to soak up a liquid by using a piece of cloth, paper, etc.; to make a spot or spots onto paper
synonym: stain, smudge, mar
(1) **blot** my eyes, (2) **blot** anything out of existence
She tried to **blot** out the unpleasant memory with alcohol.

barren *adj.* unable to produce or sustain growth; lacking fertility; unproductive; lacking interest, excitement, or creativity; empty or desolate
synonym: sterile, infertile, unproductive
(1) **barren** wasteland, (2) **barren** desert
The desert is known for its **barren** terrain with no sign of vegetation.

restore v. to repair or return something or someone to a previous good state or position
synonym: fix, mend, reestablish
(1) **restore** order, (2) **restore** the emperor to the throne
The military regime has promised to **restore** democracy as soon as possible.

keen *adj.* having or showing quick and eager intelligence or interest
synonym: eager, enthusiastic, ardent
(1) **keen** interest, (2) **keen** observation
He was **keen** to learn more about the subject and attended every lecture.

competition n. a situation in which someone is attempting to beat or outperform another
synonym: contest, match, fight
(1) the first round of the **competition**, (2) intraspecific **competition**
Global **competition** is rising in virtually every industry.

symbiotic

adj. involving two varieties of animal or plant, each of which supplies the conditions for the other to exist

(1) **symbiotic** economy, (2) **symbiotic** bacteria

We have a mutually **symbiotic** connection with them.

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.

principle

n. a fundamental law or truth that explains or controls how something happens or works

synonym: rule, creed, code

(1) **principle** of treatment, (2) **principle** in business

Efficiency isn't an essential **principle** here; fairness is.

cluster

n. a group of similar things or people close together, often forming a distinct mass or unit

synonym: group, aggregation, array

(1) live in a **cluster**, (2) a **cluster** of stars

A **cluster** of grapes hung from the vine.

settle

v. to reach an agreement of disagreement

synonym: inhabit, occupy, decide

(1) **settle** a dispute, (2) **settle** down in the town

I don't want to **settle** for second best.

concentration

n. the ability to focus all your time and energy on one thing without thinking about anything else.

synonym: attention, engagement, assiduity

(1) **concentration** of armaments, (2) his research area of **concentration**

This exam requires excellent **concentration** to pass.

intractable

adj. difficult to manage or control; stubborn or obstinate
synonym : obstinate, stubborn, unyielding

(1) **intractable** pain, (2) **intractable** situation

The **intractable** problem defied a solution.

synergy

n. the interaction of elements that, when combined, produce a total effect that is greater than the sum of the individual elements

synonym : cooperation, collaboration, partnership

(1) **synergy** collaboration, (2) **synergy** between businesses

The new software program was designed to increase productivity by promoting employee **synergy**.

mineralize

v. to convert or incorporate minerals into something, such as water, soil, or organic matter; to transform organic materials into a mineral form, often through natural processes

synonym : mineralize, fortify, strengthen

(1) **mineralize** bones, (2) **mineralize** toxins in the soil

The new soil treatment will help **mineralize** the nutrients, making them more accessible to the plants.

enhance

v. to increase or improve the quality, amount, or strength of someone or something

synonym : improve, enrich, refine

(1) **enhance** value, (2) **enhance** the flavor of the vanilla

The new strategy will **enhance** the profitability of our company.

crop

n. a plant that is cultivated in large amounts, particularly for food

synonym : output, produce, product

(1) **crop** field, (2) **crop** herbicide

Sow early for an early **crop**.

hedge

n. a fence formed by a line of bushes or shrubs; (verb) limit or avoid something such as duties, issues, and

questions by conditions or exceptions

synonym : border, fence, barrier

(1) snip at a **hedge**, (2) **hedge** fund firm

The best way to **hedge** financial risks is to diversify your portfolio.

interval

n. a period between two events or times; a short break or pause

synonym : break, gap, intermission

(1) after an **interval** of pause, (2) at regular **intervals**

For the analysis **interval**, the system remains at a standstill state.

underutilized

adj. not used as much as is possible or necessary

synonym : underused, neglected, unappreciated

(1) **underutilized** resources, (2) **underutilized** space

The factory has been **underutilized** for years and requires renovation.

crystallize

v. to form crystals from a liquid or solution; to become clear or definite in form or structure; to solidify

synonym : solidify, freeze, shape up

(1) **crystallize** a concept, (2) **crystallize** into reality

As the sugar water cools, it will slowly **crystallize** into rock candy.

calcium

n. a chemical element with the symbol Ca and atomic number 20, which is an important mineral for the human body

synonym : Ca, lime, chalk

(1) **calcium** deficiency, (2) ion of **calcium**

The patient was prescribed a **calcium** supplement to help prevent osteoporosis.

carbonate

n. a carbonic acid salt or ester that contains the anion CO₃

(1) sodium **carbonate**, (2) alkaline **carbonate**

The explosive chemical reaction does not occur in all sodium **carbonate**.

gradual

adj. happening slowly over a long period of time or distance; not steep or abrupt

synonym: incremental, gradational, piecemeal

(1) a **gradual** process, (2) a **gradual** change

The country experienced a **gradual** increase in population.

encrust

v. to cover or coat something with a crust (= hard outer layer), often as a result of an accumulation of materials over time

synonym: coat, cover

(1) **encrust** coral reef, (2) **encrust** the rim of the glass

The jeweler **encrusted** the crown with a variety of precious stones.

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**.

sodium

n. a metallic element that is the most common alkali metal and is used in the production of many chemicals, including soap, glass, and paper

synonym: Na, salt, alkali

(1) reduce my **sodium** intake, (2) **sodium** bicarbonate

High levels of **sodium** in the diet can increase the risk of developing high blood pressure.

chloride

n. a compound that is formed when the element chlorine is combined with another element, such as sodium, potassium, or calcium, and chloride ions are found in many types of salts and are important for bodily

functions such as digestion and fluid balance

synonym : salt, halide, anion

(1) calcium **chloride**, (2) sodium **chloride**

The pool was closed due to high levels of **chloride**.

compress

v. to press or squeeze together to make something take up less space

synonym : condense, constrict, squeeze

(1) **compress** the chest, (2) **compress** gas

She **compressed** the files into a single ZIP archive to save space on her computer.

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**.

phosphate

n. a chemical compound made up of phosphorus (= a chemical element with the symbol P) and oxygen (= a chemical element with the symbol O), often used in fertilizers, detergents, and other industrial processes

(1) calcium **phosphate**, (2) sodium **phosphate**

The buildup of **phosphate** in the soil can cause it to become too acidic, which can be harmful to plants.

fertilize

v. to cause an egg, female animal, or plant to develop by joining sperm from the male with them; to add a natural or chemical substance to land to make plants grow well

synonym : pollinate, inseminate, enrich

(1) **fertilize** the soil, (2) **fertilize** the female egg

The couple decided to use the non-husband sperm to **fertilize** a wife.

periodic

adj. happening at regular intervals over a while

synonym : regular, frequent, recurring

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

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

lithium

n. a soft, silvery-white metal that is highly reactive and used in batteries, alloy production, and medications for bipolar disorder

synonym : lithy, Li, salt

- (1) **lithium** carbonate, (2) **lithium** mining

Lithium-ion batteries are commonly used in laptops, smartphones, and electric vehicles.

battery

n. a device that is placed inside a car, gadget, equipment, etc. and that provides electrical power to them

synonym : electric cell, array, batch

- (1) a dry **battery**, (2) **battery** charging

The engine did not start because the **battery** was flat.

gulf

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

synonym : chasm, divide, abyss

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

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

salinity

n. the presence or amount of salt in a substance, especially in water or soil; the measure of the concentration of dissolved salts in a liquid

synonym : saltiness, brackishness

- (1) marine **salinity**, (2) **salinity** intrusion

The **salinity** levels in the ocean have been increasing due to climate change.

steady

adj. firmly fixed, supported, or balanced; not shaking or moving

synonym : stable, solid, secure

(1) **steady** increase, (2) take a **steady** job

The patient's vital signs are **steady**, indicating a stable condition.

discharge

v. to release or let go of something or someone; to dismiss or terminate an employee or member of an organization; to emit or give off a substance or energy

synonym: release, emit, expel

(1) **discharge** water, (2) **discharge** a contract

The hospital will **discharge** the patient as soon as their condition stabilizes.

brine

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

synonym: saltwater, seawater, saline

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

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

desalination

n. the process of removing salt, especially from seawater

(1) shut down a **desalination** plant, (2) water **desalination**

He worked on improving the equipment using the freeze-**desalination** method.

collapse

v. to fall down or give way suddenly, often after breaking apart

synonym: tumble, spill, bankruptcy

(1) the stock market **collapsed**, (2) ready to **collapse**

The roof finally **collapsed** after three days and three nights of heavy snowfall.

capture

v. to catch a person or an animal and confine them in an area which they cannot escape

synonym: catch, arrest, imprison

(1) **capture** a glimpse, (2) **capture** customers' hearts

I was able to **capture** the moment on film.

urgent

adj. requiring immediate attention or action; pressing

synonym : pressing, critical, immediate

(1) an **urgent** telegram, (2) **urgent** situation

It is **urgent** that we leave for the airport now to catch our flight.

abundant

adj. present in great quantity

synonym : ample, plentiful, generative

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

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

renewable

adj. capable of being renewed, extended, or replaced

synonym : sustainable, replaceable

(1) **renewable** energy, (2) **renewable** subscriptions

The production of **renewable** fuels requires massive volumes of fresh water.

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.

mention

v. to speak or write about something or someone briefly

synonym : reference, allude, cite

(1) **mention** name, (2) **mention** in a report

I **mentioned** to him that I had seen his sister at the grocery store earlier that day.

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**.

- firm** *adj.* resolute or unwavering in decision-making or action; strong or secure in structure, make, or composition; reliable, trustworthy, or dependable; (noun) a business or company
synonym : stable, secure, steadfast
(1) **firm** grip, (2) accounting **firm**
The **firm** deadline for submitting the project is tomorrow, so we need to work efficiently to finish on time.
- negative** *adj.* having the quality of something bad or harmful; expressing refusal
synonym : minus, adverse, pessimistic
(1) have a **negative** effect, (2) a **negative** number
The movie has received almost universally **negative** criticism.
- abundance** *n.* a significant amount of something; the situation in which there is too much of something
synonym : plenty, affluence, plentitude
(1) an age of **abundance**, (2) an **abundance** of examples
A healthy farm provides an **abundance** of food.
- optimize** *v.* to make the best or most effective use of something
synonym : advance, amend, improve
(1) **optimize** a process, (2) **optimize** control for cooling
The essence of economics is to **optimize** the allocation of limited resources.
- flotilla** *n.* a fleet or group of boats or small vessels typically used for military, naval, or recreational purposes
synonym : fleet, armada, squadron
(1) small **flotilla**, (2) naval **flotilla**
The **flotilla** of boats sailed together in perfect formation for the maritime parade.
- carpenter** *n.* a woodworker whose job is to make or repair wooden objects

synonym : woodworker, artisan

(1) a short **carpenter** nail, (2) an apprentice **carpenter**
Carpenter bees are boring holes into the wall.

ablaze

adj. on fire; burning brightly

synonym : burning, alight, on fire

(1) sky **ablaze** with stars, (2) **ablaze** with passion
The building was **ablaze** with fire.

vision

n. the ability to think about or see the future with imagination and intelligence; the faculty of being able to see

synonym : sight, image, concept

(1) a prodigious **vision**, (2) telescopic **vision**
Driving is difficult for me because of my poor **vision**.

distant

adj. far away in space, time, or where you are; far apart in relevance, relationship, or kinship

synonym : far, isolated, remote

(1) a **distant** memory, (2) **distant** ancestors
The sun set over the crest of **distant** hills.

shore

n. the land along the edge of a sea, lake, broad river, or other large body of water; (verb) to support by placing against something solid or rigid

synonym : coast, seaside, beach

(1) a sandy **shore**, (2) **shore** up demand
The waves are beating against the **shore**.

exciting

adj. causing a lot of interest or excitement

synonym : exhilarating, stimulating, thrilling

(1) **exciting** football player, (2) **exciting** news
The findings of the experiment were both **exciting** and unexpected.

innovation

n. the creation of a new device or process resulting from study and experimentation

synonym : invention, initiation, creation

(1) **innovation** leader, (2) cutting-edge **innovation**

The vegetarian burger was an **innovation** that quickly spread to the United Kingdom.

Session 2: Spelling

1. b__d curtain *n.* a small, usually round object made of glass, wood, or plastic that is used for decoration or as part of jewelry
2. in____e a feeling of curiosity *v.* to make somebody fill with the desire, confidence, or enthusiasm, especially to do something creative
3. 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
4. re_____ze achievement *v.* to acknowledge or realize something or someone; to identify, remember, or become aware of something that was previously known or encountered
5. 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
6. a pilot sc___e *n.* an organized and often large-scale plan or arrangement for doing something
7. an energy eff_____cy *n.* the state or quality of doing something well with no waste of input such as time or money
8. have a fa___y clear view *adv.* to a certain extent or degree; without favoring one party in an evenhanded manner

ANSWERS: 1. bead, 2. inspire, 3. reverse, 4. recognize, 5. economy, 6. scheme, 7. efficiency, 8. fairly

9. 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
10. c__p field *n.* a plant that is cultivated in large amounts, particularly for food
11. ev_____on theory *n.* a gradual process of transformation of living things
12. h__t progress *v.* to bring or come to a stop; to force to stop moving or operating
13. photo with a ma__e finish *adj.* having a surface without a shine, luster; non-glossy
14. k__n observation *adj.* having or showing quick and eager intelligence or interest
15. co_____ze planets *v.* to establish a colony in or on a specific place; to settle or occupy in large numbers
16. an age of ab_____ce *n.* a significant amount of something; the situation in which there is too much of something
17. front f_g lights *n.* a thick cloud consisting of tiny water droplets or ice crystals suspended in the air at or near the Earth's surface; a weather condition in which visibility is reduced because of a cloud of water
18. re_____le subscriptions *adj.* capable of being renewed, extended, or replaced
19. in____t capital *v.* to put money, effort, time, etc. into something to make a profit or achieve a result

ANSWERS: 9. humidity, 10. crop, 11. evolution, 12. halt, 13. matte, 14. keen, 15. colonize, 16. abundance, 17. fog, 18. renewable, 19. invest

20. pro_____on of disease *n.* the act or process of changing to the next stage or phase or moving forward
21. a sandy sh__e *n.* the land along the edge of a sea, lake, broad river, or other large body of water; (verb) to support by placing against something solid or rigid
22. sodium ph_____te *n.* a chemical compound made up of phosphorus (= a chemical element with the symbol P) and oxygen (= a chemical element with the symbol O), often used in fertilizers, detergents, and other industrial processes
23. positive feedback l__p *n.* a shape like a curve or a circle made by something long and thin, such as a piece of string, that bends round and crosses itself
24. sy_____ic bacteria *adj.* involving two varieties of animal or plant, each of which supplies the conditions for the other to exist
25. an ur___t telegram *adj.* requiring immediate attention or action; pressing
26. s__ls retentive of moisture *n.* the top layer of Earth in which plants grow
27. aerobic or_____sm *n.* a tiny living thing
28. exit from a l__p *n.* a shape like a curve or a circle made by something long and thin, such as a piece of string, that bends round and crosses itself
29. a com_____on ceremony *n.* the act or process of finishing something that you are doing or making; the state of being finished

ANSWERS: 20. progression, 21. shore, 22. phosphate, 23. loop, 24. symbiotic, 25. urgent, 26. soil, 27. organism, 28. loop, 29. completion

30. wa____ul practices *adj.* characterized by excessive or unnecessary use or consumption; using resources or materials inefficiently or inappropriately, resulting in unnecessary waste or expense
31. economic bu____e *n.* a thin, round, and often transparent mass of gas that is surrounded by a thin layer of liquid; a state of economic or social prosperity that is unsustainable and eventually collapses
32. li____r trend *adj.* of, relating to, or consisting of lines or length; able to be expressed as a straight line, especially on a graph
33. sus____le alternative fuel *adj.* able to continue or be continued for a long time
34. fou____on course *n.* the lowest load-bearing part of a building, typically below ground level; a fundamental basis or principle upon which something is built or established; an organization that provides funding or support for charitable or educational purposes
35. cr__l across the floor *v.* to move forward slowly, as people or animals with their bodies near the ground
36. muscular st____th *n.* the quality or state of being physically, or sometimes mentally, strong
37. ask a co____se question *v.* to talk informally
38. gl__e over eyes *v.* to cover or coat with a thin layer of film, particularly a shiny or glossy layer, such as a layer of protective material on ceramics or a top coat of paint on a surface; to apply a thin, glossy coating to food, often using a sauce or syrup

ANSWERS: 30. wasteful, 31. bubble, 32. linear, 33. sustainable, 34. foundation, 35. crawl, 36. strength, 37. converse, 38. glaze

39. equilateral pe_____on *n.* a flat geometric shape with five straight sides and five angles; a building in Washington, D.C., that houses the U.S. Department of Defense and is the headquarters of the U.S. military
40. fe_____ze the soil *v.* to cause an egg, female animal, or plant to develop by joining sperm from the male with them; to add a natural or chemical substance to land to make plants grow well
41. personality qu__k *n.* a peculiar behavior, habit, or characteristic that is distinctive to an individual or group
42. a dry ba_____y *n.* a device that is placed inside a car, gadget, equipment, etc. and that provides electrical power to them
43. the st___m of time *n.* a small, narrow river; a continuous flow of something, such as liquid, gas, people, vehicles, etc.
44. the ab_____e divers *n.* a type of marine mollusk or sea snail that is highly valued for its meat and attractive, iridescent shell, which is often used for decorative or jewelry-making purposes
45. a be___n smile *adj.* kind and gentle; not harmful or malicious
46. li_____m carbonate *n.* a soft, silvery-white metal that is highly reactive and used in batteries, alloy production, and medications for bipolar disorder

ANSWERS: 39. pentagon, 40. fertilize, 41. quirk, 42. battery, 43. stream, 44. abalone, 45. benign, 46. lithium

47. 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
48. wooden sup_____ure *n.* the part of a structure or building that is built on top of the foundation or base; a framework or system that is built on top of something else and supports or enhances it
49. di___t information *v.* to transform food into absorbable substances; break down
50. ur___t situation *adj.* requiring immediate attention or action; pressing
51. nonmetallic el____ts *n.* a fundamental or essential part of something
52. a gr__n of sand *n.* wheat or any other small hard seeds used as a food; a relatively small granular particle of a substance
53. in_____e a high degree of risk *v.* to include or affect someone or something as a necessary part of something else
54. w__y buildup *adj.* having a texture or appearance that is similar to wax; smooth and shiny; resistant to water or other liquids
55. tr_____c jam *n.* the movement of vehicles, people, or goods along a route or through a transport system; the amount of such movement in a particular place or at a particular time

ANSWERS: 47. compound, 48. superstructure, 49. digest, 50. urgent, 51. element, 52. grain, 53. involve, 54. waxy, 55. traffic

56. ev_____te the water *v.* to turn a liquid into a gas; to become less intense and disappear gradually
57. better fuel eff_____cy *n.* the state or quality of doing something well with no waste of input such as time or money
58. pos_____ty of a major earthquake *n.* a chance that something may happen or be true
59. gr____m bread *n.* a type of flour made from whole wheat that has had the bran and germ removed and is often used to make crackers or cookies; a cracker made with this type of flour
60. sy_____ic economy *adj.* involving two varieties of animal or plant, each of which supplies the conditions for the other to exist
61. ba_____y charging *n.* a device that is placed inside a car, gadget, equipment, etc. and that provides electrical power to them
62. el_____fy a manufacturing process *v.* to make a machine or system work by using electricity; to make someone extremely enthusiastic about or interested in something
63. pr_____le in business *n.* a fundamental law or truth that explains or controls how something happens or works
64. ca____n dioxide *n.* a chemical element that can be found in pure form as diamond or graphite, and it is also an essential part of coal and oil and is found in all plants and animals

ANSWERS: 56. evaporate, 57. efficiency, 58. possibility, 59. graham, 60. symbiotic, 61. battery, 62. electrify, 63. principle, 64. carbon

65. cr__l away from a car *v.* to move forward slowly, as people or animals with their bodies near the ground
66. 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
67. a silicon su_____te *n.* a substance or layer from which an organism grows and lives and by which an organism is supported; a substance on which an enzyme or ferment act
68. mu_____om spores *n.* a type of fungus that grows on dead or decaying organic matter and typically has a stalk and an umbrella-shaped cap
69. oxygenic pho_____sis *n.* the process through which plants and other organisms transform light energy into chemical energy, which is then released through cellular respiration to power the organism's activities.
70. w__y texture *adj.* having a texture or appearance that is similar to wax; smooth and shiny; resistant to water or other liquids
71. a c__e to the diagnosis *n.* an object, a piece of evidence, or some information that helps someone to find the answer to a problem, question, or mystery
72. hyd_____ic polymers *adj.* having a strong affinity or attraction to water; capable of absorbing or dissolving in water
73. se_____ly, it is important *adv.* used to introduce the second point or item in a list or series of statements, considerations, etc.

ANSWERS: 65. crawl, 66. atmosphere, 67. substrate, 68. mushroom, 69. photosynthesis, 70. waxy, 71. clue, 72. hydrophilic, 73. secondly

74. be___n tumor *adj.* kind and gentle; not harmful or malicious
75. bioplastic designed to bio_____de *v.* to decay naturally by microorganisms, such as bacteria and fungi
76. en_____e value *v.* to increase or improve the quality, amount, or strength of someone or something
77. a wire g__d *n.* a pattern of regularly spaced horizontal and vertical lines; a system of high tension cables by which electrical power is distributed throughout a region
78. me_____n in a report *v.* to speak or write about something or someone briefly
79. ma_____e stars *adj.* enormous amount; very heavy and solid
80. group of or_____sms *n.* a tiny living thing
81. disposal in a la_____ll *n.* a site for the disposal of waste materials
82. in_____e a tire *v.* to fill something with air or gas so that it becomes bigger and rounder
83. salmon ca____r *n.* the eggs of sturgeon or other large fish considered a delicacy and used especially in appetizers
84. an_____on film *n.* the technique of photographing successive drawings or positions of puppets or models to create an illusion of movement when the film is shown as a sequence; enthusiasm and energy in the way you look or behave
85. mo__t climate *adj.* slightly wet, a state characterized by the presence of moisture or dampness

ANSWERS: 74. benign, 75. biodegrade, 76. enhance, 77. grid, 78. mention, 79. massive, 80. organism, 81. landfill, 82. inflate, 83. caviar, 84. animation, 85. moist

86. student on a ti__t budget *adj.* fixed, fastened, or kept together firmly or closely
87. 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
88. di____e battleships for a battle *v.* to put things or people in a particular manner or position; to incline someone towards a specific activity or mood; throw or cast away
89. 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
90. an equ____an statue *adj.* relating to or involving horses or horse riding
91. an ab____ce of examples *n.* a significant amount of something; the situation in which there is too much of something
92. floral mi____y *n.* the act or skill of copying the sounds or behavior of a particular person or animal, often to make people laugh
93. the most am____g feeling *adj.* extremely surprising, especially in a way that you like or admire
94. re____e the emperor to the throne *v.* to repair or return something or someone to a previous good state or position

ANSWERS: 86. tight, 87. reverse, 88. dispose, 89. economy, 90. equestrian, 91. abundance, 92. mimicry, 93. amazing, 94. restore

95. his research area of
con_____ion
96. g__f stream
97. a br___e from an open window
98. rou_____ut junction
99. the cy__e of the seasons
100. re_____nt population
101. sh_____ng balance
102. the infinite in_____ty of man
103. an_____ic atmosphere
104. an_____on studio
105. c__p herbicide
- n.* the ability to focus all your time and energy on one thing without thinking about anything else.
- n.* a large ocean inlet or deep bay that is partially enclosed by land
- n.* a gentle wind that is not very strong or forceful, typically cool and refreshing
- n.* a circuitous or indirect route or path; a traffic circle or rotary used to regulate the flow of traffic
- n.* an interval during which a recurring sequence of events occurs; a bicycle or motorcycle
- adj.* able to withstand or recover quickly from difficult conditions
- adj.* constantly changing or moving
- n.* the quality of inventing things or solving problems in clever new ways
- adj.* living or occurring in the absence of oxygen; relating to or involving a process that does not require oxygen
- n.* the technique of photographing successive drawings or positions of puppets or models to create an illusion of movement when the film is shown as a sequence; enthusiasm and energy in the way you look or behave
- n.* a plant that is cultivated in large amounts, particularly for food

ANSWERS: 95. concentration, 96. gulf, 97. breeze, 98. roundabout, 99. cycle, 100. resilient, 101. shifting, 102. ingenuity, 103. anaerobic, 104. animation, 105. crop

106. be___e brows *n.* an insect having a hard shell-like back covering its wings
107. co_____se water vapor *v.* to reduce the volume or size of something, often by removing water or other liquid; to make something shorter, more concise, or more concentrated
108. sp_____al shape *adj.* having the shape of a sphere; round, spherical, or ball-shaped in appearance
109. st__l beam *n.* a strong metal alloy made up of iron with typically a few tenths of a percent of carbon used for making things that need a strong structure
110. flour made from gr__n *n.* wheat or any other small hard seeds used as a food; a relatively small granular particle of a substance
111. lig_____ht aircraft *adj.* composed of thinner and lighter material than average; not severe or impressive
112. magnetic st__l *n.* a strong metal alloy made up of iron with typically a few tenths of a percent of carbon used for making things that need a strong structure
113. at_____t attention *v.* to draw or entice someone or something towards them through the qualities they have, especially positive ones
114. a brief ex_____t from the book *n.* a short passage taken from a book, piece of music, etc.; a substance obtained from something through a specific process; (verb) to obtain from something or to remove something by effort or force

ANSWERS: 106. beetle, 107. condense, 108. spherical, 109. steel, 110. grain, 111. lightweight, 112. steel, 113. attract, 114. extract

115. the di_____ty policy of the university *n.* the quality or fact of many different types of things or people being included in something; a range of different things or people
116. de___e a literary plot *v.* to come up with an idea, plan, theory, etc., using your intelligence or imagination
117. an op_____ne remark *adj.* suitable or happening at a time that is suitable or convenient for a particular purpose
118. br___e solution *n.* a strong solution of salt water used for preserving food, especially meat or fish; saline water found in salt mines or evaporated from seawater
119. common in _____on *n.* the creation of a new device or process resulting from study and experimentation; the act of inventing
120. qu___y site *n.* a place where a stone or other materials are extracted from the ground; an animal or a person that is the target of hunting
121. und_____zed space *adj.* not used as much as is possible or necessary
122. sodium ch_____de *n.* a compound that is formed when the element chlorine is combined with another element, such as sodium, potassium, or calcium, and chloride ions are found in many types of salts and are important for bodily functions such as digestion and fluid balance

ANSWERS: 115. diversity, 116. devise, 117. opportune, 118. brine, 119. invention, 120. quarry, 121. underutilized, 122. chloride

123. emissions of gre_____se gases *n.* a building with walls and roof made chiefly of transparent material, such as glass, for growing plants in
124. heavy tr_____c *n.* the movement of vehicles, people, or goods along a route or through a transport system; the amount of such movement in a particular place or at a particular time
125. a scanty ha_____t *n.* yields of plants in a single growing season; the period of the year when gathering occurs on a farm
126. di_____t ancestors *adj.* far away in space, time, or where you are; far apart in relevance, relationship, or kinship
127. genic com_____ons *n.* a collection of things that have been combined; an assemblage of separate parts or qualities
128. hemoglobin met_____sm *n.* the set of chemical reactions in cells or organisms that are necessary for life-sustaining
129. uncomfortably hu__d *adj.* having a high amount of moisture or water vapor in the air; damp; muggy
130. hu_____g sound *adj.* producing a continuous, low, vibrating sound like that of the bee
131. severe cr___c *n.* someone who expresses opinions about the quality of books, music, etc.
132. re_____ct with family *v.* to connect again after a break or interruption
133. co_____t pile *n.* a mixture of organic matter, such as food scraps, yard waste, and manure, that is allowed to decompose and is used as fertilizer for plants and garden soil

ANSWERS: 123. greenhouse, 124. traffic, 125. harvest, 126. distant, 127. combination, 128. metabolism, 129. humid, 130. humming, 131. critic, 132. reconnect, 133. compost

134. con_____ly changing world *adv.* in a way that happens without interruption or repeatedly
135. ba___n desert *adj.* unable to produce or sustain growth; lacking fertility; unproductive; lacking interest, excitement, or creativity; empty or desolate
136. se___e down in the town *v.* to reach an agreement of disagreement
137. a fo___l leaf *n.* any preserved remains, impression, or trace of any once-living thing that has become hard and turned into rock
138. po_____e the thread *v.* to make an area or substance, such as land, air, water, etc., dirty or harmful to living things by adding waste matter or harmful chemicals
139. tr_____nt by diet *n.* the way in which someone deals with or behaves towards someone or something; medical care provided to a patient for an injury or illness.
140. la_____ll sites *n.* a site for the disposal of waste materials
141. re_____ce category *n.* the state or degree of being closely connected or appropriate to the matter at hand
142. insect ab_____n *n.* the part of the body between the chest and pelvis that contains the stomach, intestines, liver, pancreas, and other organs; the posterior part of an insect's body, typically divided into segments
143. effects of cl_____e change *n.* the weather in a particular location averaged over some long period

ANSWERS: 134. continually, 135. barren, 136. settle, 137. fossil, 138. pollute, 139. treatment, 140. landfill, 141. relevance, 142. abdomen, 143. climate

144. fac_____te a smooth transition *v.* to make something easier or more likely to happen
145. st_____th of the economy *n.* the quality or state of being physically, or sometimes mentally, strong
146. el_____fy the audience *v.* to make a machine or system work by using electricity; to make someone extremely enthusiastic about or interested in something
147. ey_____e landscape *n.* something unpleasant, unattractive, or offensive to look at, often because it is neglected, run-down, or out of place
148. re_____on between cause and effect *n.* the way two persons or groups of people feel and act toward one another
149. sa_____ty intrusion *n.* the presence or amount of salt in a substance, especially in water or soil; the measure of the concentration of dissolved salts in a liquid
150. ada_____on ability *n.* the action or process of changing to suit different conditions
151. equ_____an sport *adj.* relating to or involving horses or horse riding
152. cell and molecular bi_____y *n.* the scientific study of life and the natural processes of living things
153. gi__t tech company *adj.* enormous; much bigger or more important than similar items usually are
154. env_____nt affairs *n.* the natural world such as air, water, and land in which humans, animals, and plants live
155. su_____nd a town *v.* to be all around something or somebody

ANSWERS: 144. facilitate, 145. strength, 146. electrify, 147. eyesore, 148. relation, 149. salinity, 150. adaptation, 151. equestrian, 152. biology, 153. giant, 154. environment, 155. surround

166. sy____y collaboration *n.* the interaction of elements that, when combined, produce a total effect that is greater than the sum of the individual elements
167. und_____zed resources *adj.* not used as much as is possible or necessary
168. a so__r eclipse *adj.* of, from, or relating to the sun
169. fre_____er aquatic bird *adj.* living in, found in, or connecting with water that does not contain salt
170. de___t smuggling across borders *v.* to find or recognize something, especially something difficult to see, hear, etc.
171. ir_____ar periods *adj.* not having an even or balanced shape or arrangement; contrary to the usual rule, accepted order, or what is expected
172. a ti__t game *adj.* fixed, fastened, or kept together firmly or closely
173. abound in in_____ty *n.* the quality of inventing things or solving problems in clever new ways
174. k__n interest *adj.* having or showing quick and eager intelligence or interest
175. co_____ss the chest *v.* to press or squeeze together to make something take up less space
176. ex_____e the world *v.* to travel to or penetrate an area or a country to learn about it; to thoroughly examine a subject or a possibility to learn more about it

ANSWERS: 166. synergy, 167. underutilized, 168. solar, 169. freshwater, 170. detect, 171. irregular, 172. tight, 173. ingenuity, 174. keen, 175. compress, 176. explore

177. de___t basin *n.* arid land with little or no vegetation often covered with sand or rocks
178. ex_____e weather events *adj.* very great in amount or degree
179. s__d castle *n.* finely granulated particles of rock or mineral material typically found along beaches, deserts, or riverbeds; used in construction, landscaping, and other applications requiring drainage or abrasive action
180. op_____ze control for cooling *v.* to make the best or most effective use of something
181. lig_____ht structure *adj.* composed of thinner and lighter material than average; not severe or impressive
182. co_____se the text *v.* to reduce the volume or size of something, often by removing water or other liquid; to make something shorter, more concise, or more concentrated
183. reap a ha_____t *n.* yields of plants in a single growing season; the period of the year when gathering occurs on a farm
184. 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
185. a gr_____l process *adj.* happening slowly over a long period of time or distance; not steep or abrupt

ANSWERS: 177. desert, 178. extreme, 179. sand, 180. optimize, 181. lightweight, 182. condense, 183. harvest, 184. develop, 185. gradual

195. hyd_____ic properties *adj.* having a strong affinity or attraction to water; capable of absorbing or dissolving in water
196. so__d employment measures *adj.* hard or firm; characterized by good substantial quality
197. a classified ca_____g *n.* a complete list of items, often including technical details and prices
198. se___e a dispute *v.* to reach an agreement of disagreement
199. co_____ze for cultivation *v.* to establish a colony in or on a specific place; to settle or occupy in large numbers
200. a be___e larva *n.* an insect having a hard shell-like back covering its wings
201. water l__y *n.* a flowering plant with large, showy, trumpet-shaped flowers, typically symbolizing purity, innocence, and beauty
202. there is no other alt_____ve *n.* one of two or more available possibilities or choice
203. ion of ca_____m *n.* a chemical element with the symbol Ca and atomic number 20, which is an important mineral for the human body
204. a short ca_____er nail *n.* a woodworker whose job is to make or repair wooden objects
205. calcium ch_____de *n.* a compound that is formed when the element chlorine is combined with another element, such as sodium, potassium, or calcium, and chloride ions are found in many types of salts and are important for bodily functions such as digestion and fluid balance

ANSWERS: 195. hydrophilic, 196. solid, 197. catalog, 198. settle, 199. colonize, 200. beetle, 201. lily, 202. alternative, 203. calcium, 204. carpenter, 205. chloride

206. commit a crime del_____ely *adv.* done in an intentional or slow and careful manner
207. lot of mo_____re *n.* small amounts of liquid, especially water, that are present in or absorbed by a substance
208. high po____n count *n.* a fine powder substance consisting of microscopic grains produced by plants that facilitate their reproductive process through the process of pollination
209. hu__d climate *adj.* having a high amount of moisture or water vapor in the air; damp; muggy
210. 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
211. co_____in his freedom *v.* to restrict or limit someone or something's freedom or ability to do something
212. first-aid tr_____nt *n.* the way in which someone deals with or behaves towards someone or something; medical care provided to a patient for an injury or illness.
213. vocal mi_____y *n.* the act or skill of copying the sounds or behavior of a particular person or animal, often to make people laugh
214. a gr_____l change *adj.* happening slowly over a long period of time or distance; not steep or abrupt
215. se_____er bacteria *n.* water from the sea or ocean, typically containing salt and various other dissolved minerals

ANSWERS: 206. deliberately, 207. moisture, 208. pollen, 209. humid, 210. planet, 211. constrain, 212. treatment, 213. mimicry, 214. gradual, 215. seawater

216. ab____n pain *n.* the part of the body between the chest and pelvis that contains the stomach, intestines, liver, pancreas, and other organs; the posterior part of an insect's body, typically divided into segments
217. continuously sh____ng landscape *adj.* constantly changing or moving
218. bre____ugh discovery *n.* a sudden, dramatic, and important discovery or development that helps to improve a situation or provide an answer to a problem
219. de____e a plan *v.* to come up with an idea, plan, theory, etc., using your intelligence or imagination
220. art cr____c *n.* someone who expresses opinions about the quality of books, music, etc.
221. mi__c numerous instruments *v.* to imitate someone's speech, movement, or behavior, especially to make others laugh
222. 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
223. small fl____la *n.* a fleet or group of boats or small vessels typically used for military, naval, or recreational purposes
224. pho____ph album *n.* a picture or image that is produced by a camera; a visual representation or record of a person, object, or scene that has been captured electronically or on film

ANSWERS: 216. abdomen, 217. shifting, 218. breakthrough, 219. devise, 220. critic, 221. mimic, 222. planet, 223. flotilla, 224. photograph

225. ca___n emission *n.* a chemical element that can be found in pure form as diamond or graphite, and it is also an essential part of coal and oil and is found in all plants and animals
226. in_____ne in a dispute *v.* to intentionally get involved in a situation to improve it or prevent it from getting worse
227. reduce my so___m intake *n.* a metallic element that is the most common alkali metal and is used in the production of many chemicals, including soap, glass, and paper
228. s__k fabric *n.* a fine, strong, soft, lustrous fiber produced by silkworms in making cocoons and collected to make thread and fabric
229. for in_____ce *n.* a particular example or single occurrence of something
230. exa_____te symptoms *v.* to make a situation, problem, or feeling worse
231. pr_____e the amendment *v.* to make a proposal, declare a plan for something
232. ex_____e sports *adj.* very great in amount or degree
233. a hard and re_____nt steel *adj.* able to withstand or recover quickly from difficult conditions
234. cry_____ze a concept *v.* to form crystals from a liquid or solution; to become clear or definite in form or structure; to solidify
235. ca_____e customers' hearts *v.* to catch a person or an animal and confine them in an area which they cannot escape

ANSWERS: 225. carbon, 226. intervene, 227. sodium, 228. silk, 229. instance, 230. exacerbate, 231. propose, 232. extreme, 233. resilient, 234. crystallize, 235. capture

245. evolutionary bi____y *n.* the scientific study of life and the natural processes of living things
246. in direct su____ht *n.* the light emitted by the sun; the rays of the sun
247. parched s__l *n.* the top layer of Earth in which plants grow
248. low pro____ve capacity *adj.* resulting in or making a lot or a significant amount of something, especially something of value
249. dr____t formation *n.* a small drop of liquid
250. tropical veg____on *n.* plants in general, particularly those indigenous to a particular region or spot
251. li____m mining *n.* a soft, silvery-white metal that is highly reactive and used in batteries, alloy production, and medications for bipolar disorder
252. a dense f_g *n.* a thick cloud consisting of tiny water droplets or ice crystals suspended in the air at or near the Earth's surface; a weather condition in which visibility is reduced because of a cloud of water
253. a glare of su____ht *n.* the light emitted by the sun; the rays of the sun
254. accounting f__m *adj.* resolute or unwavering in decision-making or action; strong or secure in structure, make, or composition; reliable, trustworthy, or dependable; (noun) a business or company

ANSWERS: 245. biology, 246. sunlight, 247. soil, 248. productive, 249. droplet, 250. vegetation, 251. lithium, 252. fog, 253. sunlight, 254. firm

255. pho_____ph memories *n.* a picture or image that is produced by a camera; a visual representation or record of a person, object, or scene that has been captured electronically or on film
256. ready to co_____se *v.* to fall down or give way suddenly, often after breaking apart
257. tr_____e down my cheek *v.* to flow or drip slowly and in small amounts; to happen or occur gradually or in small quantities
258. traffic rou_____ut *n.* a circuitous or indirect route or path; a traffic circle or rotary used to regulate the flow of traffic
259. alkaline ca_____te *n.* a carbonic acid salt or ester that contains the anion CO₃
260. so_____m bicarbonate *n.* a metallic element that is the most common alkali metal and is used in the production of many chemicals, including soap, glass, and paper
261. botanical ex_____t *n.* a short passage taken from a book, piece of music, etc.; a substance obtained from something through a specific process; (verb) to obtain from something or to remove something by effort or force
262. en_____t the rim of the glass *v.* to cover or coat something with a crust (= hard outer layer), often as a result of an accumulation of materials over time
263. mo_____re level *n.* small amounts of liquid, especially water, that are present in or absorbed by a substance

ANSWERS: 255. photograph, 256. collapse, 257. trickle, 258. roundabout, 259. carbonate, 260. sodium, 261. extract, 262. encrust, 263. moisture

264. oasis in the de___t *n.* arid land with little or no vegetation often covered with sand or rocks
265. an_____ic exercise *adj.* living or occurring in the absence of oxygen; relating to or involving a process that does not require oxygen
266. the pe_____ic blooming of the cherry-blossom *adj.* happening at regular intervals over a while
267. min_____ze toxins in the soil *v.* to convert or incorporate minerals into something, such as water, soil, or organic matter; to transform organic materials into a mineral form, often through natural processes
268. was_____er disposal equipment *n.* water that contains waste substances from homes, farms, factories, etc.
269. he__e fund firm *n.* a fence formed by a line of bushes or shrubs; (verb) limit or avoid something such as duties, issues, and questions by conditions or exceptions
270. g__f war *n.* a large ocean inlet or deep bay that is partially enclosed by land
271. 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
272. 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

ANSWERS: 264. desert, 265. anaerobic, 266. periodic, 267. mineralize, 268. wastewater, 269. hedge, 270. gulf, 271. process, 272. humidity

273. major paradigm sh__t *n.* a slight transition in position, direction, or trend
274. dr_____t size *n.* a small drop of liquid
275. high-technology su_____e industries *n.* the time in the morning when the sun first appears in the sky
276. in_____e him to write a novel *v.* to make somebody fill with the desire, confidence, or enthusiasm, especially to do something creative
277. lingual di_____ty *n.* the quality or fact of many different types of things or people being included in something; a range of different things or people
278. hu_____g bird *adj.* producing a continuous, low, vibrating sound like that of the bee
279. fre_____er area *adj.* living in, found in, or connecting with water that does not contain salt
280. s__n thread out of cotton *v.* to cause something to rotate rapidly; to cause someone to feel dizzy or disoriented
281. beginning of the industrial rev_____on *n.* a large-scale attempt to overthrow the government of a country, often using violence or war;
282. environmental ey_____e *n.* something unpleasant, unattractive, or offensive to look at, often because it is neglected, run-down, or out of place
283. bu___e in the champagne glass *n.* a thin, round, and often transparent mass of gas that is surrounded by a thin layer of liquid; a state of economic or social prosperity that is unsustainable and eventually collapses

ANSWERS: 273. shift, 274. droplet, 275. sunrise, 276. inspire, 277. diversity, 278. humming, 279. freshwater, 280. spin, 281. revolution, 282. eyesore, 283. bubble

284. ac____e success *v.* to successfully complete a task or goal, often through hard work, perseverance, and dedication; to attain or accomplish something that one has set out to do
285. b__t my eyes *v.* to soak up a liquid by using a piece of cloth, paper, etc.; to make a spot or spots onto paper
286. the imp_____on in a crime *n.* something that is inferred or indirectly stated; the act or fact of being involved in something
287. sp____r venom *n.* a small, eight-legged creature that spins webs to catch insects as food; a computer program that systematically browses the World Wide Web for purposes of web indexing
288. nuclear me_____ne *n.* a soft, thin layer that forms animal or vegetable tissue
289. intraspecific com_____on *n.* a situation in which someone is attempting to beat or outperform another
290. a cl_____r of stars *n.* a group of similar things or people close together, often forming a distinct mass or unit
291. have no re_____ce *n.* the state or degree of being closely connected or appropriate to the matter at hand
292. ca_____m deficiency *n.* a chemical element with the symbol Ca and atomic number 20, which is an important mineral for the human body

ANSWERS: 284. achieve, 285. blot, 286. implication, 287. spider, 288. membrane, 289. competition, 290. cluster, 291. relevance, 292. calcium

293. sh__d lettuce for a salad *v.* to tear or cut something into a small pieces; (noun) a tiny or scarcely detectable amount
294. pro_____ve meeting *adj.* resulting in or making a lot or a significant amount of something, especially something of value
295. a prodigious vi___n *n.* the ability to think about or see the future with imagination and intelligence; the faculty of being able to see
296. burning of fo___l fuels *n.* any preserved remains, impression, or trace of any once-living thing that has become hard and turned into rock
297. a ne_____ve number *adj.* having the quality of something bad or harmful; expressing refusal
298. com_____on number *n.* a collection of things that have been combined; an assemblage of separate parts or qualities
299. the in_____on of new techniques *n.* the creation of a new device or process resulting from study and experimentation; the act of inventing
300. do_____te over the weak *v.* to have or control a lot of power and influence over somebody or something
301. ex_____e our options *v.* to travel to or penetrate an area or a country to learn about it; to thoroughly examine a subject or a possibility to learn more about it
302. me_____n name *v.* to speak or write about something or someone briefly
303. Doppler sh__t *n.* a slight transition in position, direction, or trend

ANSWERS: 293. shred, 294. productive, 295. vision, 296. fossil, 297. negative, 298. combination, 299. invention, 300. dominate, 301. explore, 302. mention, 303. shift

304. pr_____le of treatment *n.* a fundamental law or truth that explains or controls how something happens or works
305. biological was _____er *n.* water that contains waste substances from homes, farms, factories, etc.
306. fe_____ze the female egg *v.* to cause an egg, female animal, or plant to develop by joining sperm from the male with them; to add a natural or chemical substance to land to make plants grow well
307. cy_____s wood *n.* a tall, conical-shaped evergreen tree with small, needle-like leaves and small cones, often used in landscaping and as ornamental trees
308. marine ec _____em *n.* all the plants and living creatures in an area and the way they affect each other and the environment
309. su___e leather *adj.* flexible and easy to bend or move; gracefully agile; adaptable or responsive to change or new ideas
310. ro_____y explain my idea *adv.* approximately but not precisely; with a violent manner
311. an apprentice ca_____er *n.* a woodworker whose job is to make or repair wooden objects
312. a nu_____nt for hair *n.* any substance that is essential for the maintenance and growth of living things
313. an id_____al equation *adj.* being the exact same one
314. b__p against a wall *v.* to hit or knock against something hard, often with a dull sound; to meet with by accident

ANSWERS: 304. principle, 305. wastewater, 306. fertilize, 307. cypress, 308. ecosystem, 309. supple, 310. roughly, 311. carpenter, 312. nutrient, 313. identical, 314. bump

315. water des_____ion *n.* the process of removing salt, especially from seawater
316. se_____er pollution *n.* water from the sea or ocean, typically containing salt and various other dissolved minerals
317. cell me_____nes *n.* a soft, thin layer that forms animal or vegetable tissue
318. tr_____rm an education system *v.* to change in outward structure or looks;
319. go to the workplace by cy__e *n.* an interval during which a recurring sequence of events occurs; a bicycle or motorcycle
320. an ab_____nt supply of water *adj.* present in great quantity
321. dense veg_____on *n.* plants in general, particularly those indigenous to a particular region or spot
322. at regular in_____als *n.* a period between two events or times; a short break or pause
323. re_____ze talent *v.* to acknowledge or realize something or someone; to identify, remember, or become aware of something that was previously known or encountered
324. b__t anything out of existence *v.* to soak up a liquid by using a piece of cloth, paper, etc.; to make a spot or spots onto paper
325. a political rev_____on *n.* a large-scale attempt to overthrow the government of a country, often using violence or war;
326. sky ab___e with stars *adj.* on fire; burning brightly

ANSWERS: 315. desalination, 316. seawater, 317. membrane, 318. transform, 319. cycle, 320. abundant, 321. vegetation, 322. interval, 323. recognize, 324. blot, 325. revolution, 326. ablaze

327. 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
328. 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
329. sh__d paper into little pieces *v.* to tear or cut something into a small pieces; (noun) a tiny or scarcely detectable amount
330. a dr_____ic rescue at sea *adj.* very sudden, very excellent, or full of action and excitement
331. re__l bandits *v.* to force an attack or attacker to withdraw or retreat
332. re_____ct a telephone *v.* to connect again after a break or interruption
333. en_____t coral reef *v.* to cover or coat something with a crust (= hard outer layer), often as a result of an accumulation of materials over time
334. the bo_____ry between reality and fantasy *n.* a real or imaginary line that marks the limit or extent of something and separates it from other things or places
335. inn_____on leader *n.* the creation of a new device or process resulting from study and experimentation

ANSWERS: 327. function, 328. gland, 329. shred, 330. dramatic, 331. repel, 332. reconnect, 333. encrust, 334. boundary, 335. innovation

336. 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
337. tr_____e from his eyes *v.* to flow or drip slowly and in small amounts; to happen or occur gradually or in small quantities
338. an endless st____m of cars *n.* a small, narrow river; a continuous flow of something, such as liquid, gas, people, vehicles, etc.
339. mo_____le behavior *n.* a group of two or more atoms held together by attractive forces known as chemical bonds
340. con_____ion of armaments *n.* the ability to focus all your time and energy on one thing without thinking about anything else.
341. have a ne_____ve effect *adj.* having the quality of something bad or harmful; expressing refusal
342. notable in_____ce *n.* a particular example or single occurrence of something
343. b__p up prices *v.* to hit or knock against something hard, often with a dull sound; to meet with by accident
344. di_____ge a contract *v.* to release or let go of something or someone; to dismiss or terminate an employee or member of an organization; to emit or give off a substance or energy
345. re_____on of inclusion *n.* the way two persons or groups of people feel and act toward one another

ANSWERS: 336. atmosphere, 337. trickle, 338. stream, 339. molecule, 340. concentration, 341. negative, 342. instance, 343. bump, 344. discharge, 345. relation

346. am____t air pollution *adj.* relating to the immediate surroundings of something; creating a particular atmosphere or mood, often through sound or lighting
347. semi-a__d zone *adj.* lacking in moisture or rainfall; dry and barren; lacking in interest, life, or vitality
348. qu___y operation *n.* a place where a stone or other materials are extracted from the ground; an animal or a person that is the target of hunting
349. sy____y between businesses *n.* the interaction of elements that, when combined, produce a total effect that is greater than the sum of the individual elements
350. w__d two broken pipes *v.* to join two or more pieces of metal together by heating their edges until they melt and fuse
351. min_____ze bones *v.* to convert or incorporate minerals into something, such as water, soil, or organic matter; to transform organic materials into a mineral form, often through natural processes
352. re__l bad luck *v.* to force an attack or attacker to withdraw or retreat
353. a stone wall su_____nds the palace *v.* to be all around something or somebody
354. ar___d composites *adj.* relating to a type of strong, heat-resistant synthetic fiber that is used in the production of protective clothing, bulletproof vests, and other high-strength materials

ANSWERS: 346. ambient, 347. arid, 348. quarry, 349. synergy, 350. weld, 351. mineralize, 352. repel, 353. surround, 354. aramid

355. fuel sc____ty *n.* the state of being in short supply; a small and inadequate amount
356. 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
357. tr_____rm heat into power *v.* to change in outward structure or looks;
358. ca_____rd cutout *n.* a stiff, thick material made from compressed paper pulp used to make boxes and other packaging materials
359. shut down a des_____ion plant *n.* the process of removing salt, especially from seawater
360. marine sa____ty *n.* the presence or amount of salt in a substance, especially in water or soil; the measure of the concentration of dissolved salts in a liquid
361. carbon fi__r *n.* thread or filament used to make a vegetable tissue, mineral material, or textile
362. pos_____ty for growth *n.* a chance that something may happen or be true
363. gi__t trees *adj.* enormous; much bigger or more important than similar items usually are
364. st____y increase *adj.* firmly fixed, supported, or balanced; not shaking or moving
365. can of w__ms *n.* a long, thin creature with a soft and long cylindrical tube-like body, no limbs, and a lack of eyes

ANSWERS: 355. scarcity, 356. gland, 357. transform, 358. cardboard, 359. desalination, 360. salinity, 361. fiber, 362. possibility, 363. giant, 364. steady, 365. worm

366. sp_____al object *adj.* having the shape of a sphere; round, spherical, or ball-shaped in appearance
367. chaotic env_____nt *n.* the natural world such as air, water, and land in which humans, animals, and plants live
368. ir_____ar verbs *adj.* not having an even or balanced shape or arrangement; contrary to the usual rule, accepted order, or what is expected
369. gr__l a steak *n.* a device used for cooking food by direct exposure to heat, typically a metal rack set over a fire or gas flame, or a part of an oven; (verb) to cook something over or under a grill
370. an alt_____ve plan *n.* one of two or more available possibilities or choice
371. sc_____ty of capital *n.* the state of being in short supply; a small and inadequate amount
372. take a st____y job *adj.* firmly fixed, supported, or balanced; not shaking or moving
373. ac_____e milestones *v.* to successfully complete a task or goal, often through hard work, perseverance, and dedication; to attain or accomplish something that one has set out to do
374. po_____e the air *v.* to make an area or substance, such as land, air, water, etc., dirty or harmful to living things by adding waste matter or harmful chemicals
375. extreme tem_____res *n.* the degree of hotness or coldness of a thing or place

ANSWERS: 366. spherical, 367. environment, 368. irregular, 369. grill, 370. alternative, 371. scarcity, 372. steady, 373. achieve, 374. pollute, 375. temperature

376. he_____n head bolt *n.* a six-sided polygon with six angles and six sides of equal length
377. the atmospheric tem_____re *n.* the degree of hotness or coldness of a thing or place
378. ev____e *v.* to develop gradually, or to cause the development of something or someone gradually
379. 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
380. ex_____ng football player *adj.* causing a lot of interest or excitement
381. gas gr__l *n.* a device used for cooking food by direct exposure to heat, typically a metal rack set over a fire or gas flame, or a part of an oven; (verb) to cook something over or under a grill
382. ab_____e meat *n.* a type of marine mollusk or sea snail that is highly valued for its meat and attractive, iridescent shell, which is often used for decorative or jewelry-making purposes
383. int_____le situation *adj.* difficult to manage or control; stubborn or obstinate
384. po_____r fiber *n.* a substance composed of macromolecules (= large groups of atoms) made from many smaller and simpler molecules
385. ra_____e in all directions *v.* to spread out or emit something, such as light or heat, in all directions

ANSWERS: 376. hexagon, 377. temperature, 378. evolve, 379. structure, 380. exciting, 381. grill, 382. abalone, 383. intractable, 384. polymer, 385. radiate

386. a di_____t memory *adj.* far away in space, time, or where you are; far apart in relevance, relationship, or kinship
387. mi__c a human voice *v.* to imitate someone's speech, movement, or behavior, especially to make others laugh
388. exotic plants in a gre_____se *n.* a building with walls and roof made chiefly of transparent material, such as glass, for growing plants in
389. int_____le pain *adj.* difficult to manage or control; stubborn or obstinate
390. telescopic vi____n *n.* the ability to think about or see the future with imagination and intelligence; the faculty of being able to see
391. 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
392. reg_____ss of the difficulties *adv.* not paying attention or considering something or someone even if the situation is bad or there are difficulties
393. human ev_____on *n.* a gradual process of transformation of living things
394. ce__r wood *n.* a type of fragrant, evergreen tree that is known for its reddish-brown wood and its use in furniture, building materials, and as an ornamental plant

ANSWERS: 386. distant, 387. mimic, 388. greenhouse, 389. intractable, 390. vision, 391. function, 392. regardless, 393. evolution, 394. cedar

395. in_____e expense reports *v.* to fill something with air or gas so that it becomes bigger and rounder
396. fresh ocean br_____e *n.* a gentle wind that is not very strong or forceful, typically cool and refreshing
397. pr_____e changes *v.* to make a proposal, declare a plan for something
398. sh____e up demand *n.* the land along the edge of a sea, lake, broad river, or other large body of water; (verb) to support by placing against something solid or rigid
399. gr_____m flour *n.* a type of flour made from whole wheat that has had the bran and germ removed and is often used to make crackers or cookies; a cracker made with this type of flour
400. ab_____e with passion *adj.* on fire; burning brightly
401. gl____e a window *v.* to cover or coat with a thin layer of film, particularly a shiny or glossy layer, such as a layer of protective material on ceramics or a top coat of paint on a surface; to apply a thin, glossy coating to food, often using a sauce or syrup
402. ev_____te almost overnight *v.* to turn a liquid into a gas; to become less intense and disappear gradually
403. scheduled com_____on date *n.* the act or process of finishing something that you are doing or making; the state of being finished
404. he_____n pattern *n.* a six-sided polygon with six angles and six sides of equal length

ANSWERS: 395. inflate, 396. breeze, 397. propose, 398. shore, 399. graham, 400. ablaze, 401. glaze, 402. evaporate, 403. completion, 404. hexagon

405. str_____al analyses *adj.* associated with the way on construction or organization of anything
406. 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
407. ge_____te more electricity *v.* to produce or create something; to make offspring by reproduction
408. cutting-edge inn_____on *n.* the creation of a new device or process resulting from study and experimentation
409. the so__r system *adj.* of, from, or relating to the sun
410. the imp_____on of a word *n.* something that is inferred or indirectly stated; the act or fact of being involved in something
411. draw out a sc____e *n.* an organized and often large-scale plan or arrangement for doing something
412. co_____ss gas *v.* to press or squeeze together to make something take up less space
413. ge_____te \$100 a month *v.* to produce or create something; to make offspring by reproduction
414. ev___e over the past decade *v.* to develop gradually, or to cause the development of something or someone gradually
415. snip at a he__e *n.* a fence formed by a line of bushes or shrubs; (verb) limit or avoid something such as duties, issues, and questions by conditions or exceptions

ANSWERS: 405. structural, 406. process, 407. generate, 408. innovation, 409. solar, 410. implication, 411. scheme, 412. compress, 413. generate, 414. evolve, 415. hedge

416. high levels of air po_____on *n.* the introduction of harmful substances or waste into the natural environment that causes adverse change
417. su_____te cell *n.* a substance or layer from which an organism grows and lives and by which an organism is supported; a substance on which an enzyme or ferment act
418. f__m grip *adj.* resolute or unwavering in decision-making or action; strong or secure in structure, make, or composition; reliable, trustworthy, or dependable; (noun) a business or company
419. synthetic fi__r *n.* thread or filament used to make a vegetable tissue, mineral material, or textile
420. ma__e coating *adj.* having a surface without a shine, luster; non-glossy
421. su___e muscles *adj.* flexible and easy to bend or move; gracefully agile; adaptable or responsive to change or new ideas
422. smokeless f__l *n.* a substance that is typically burned to generate heat or energy
423. a beautiful b__d *n.* a small, usually round object made of glass, wood, or plastic that is used for decoration or as part of jewelry
424. a__d terrain *adj.* lacking in moisture or rainfall; dry and barren; lacking in interest, life, or vitality
425. live in a cl_____r *n.* a group of similar things or people close together, often forming a distinct mass or unit

ANSWERS: 416. pollution, 417. substrate, 418. firm, 419. fiber, 420. matte, 421. supple, 422. fuel, 423. bead, 424. arid, 425. cluster

426. new design el_____ts *n.* a fundamental or essential part of something
427. el_____e a close relationship *v.* to raise something from a lower to a higher position; to give a promotion to or assign to a higher position
428. op_____ne occasion *adj.* suitable or happening at a time that is suitable or convenient for a particular purpose
429. mi__o force sensor *n.* extremely small in scale or scope; one millionth
430. after an in_____al of pause *n.* a period between two events or times; a short break or pause
431. re_____le energy *adj.* capable of being renewed, extended, or replaced
432. di_____e of a used product *v.* to put things or people in a particular manner or position; to incline someone towards a specific activity or mood; throw or cast away
433. organic co_____t *n.* a mixture of organic matter, such as food scraps, yard waste, and manure, that is allowed to decompose and is used as fertilizer for plants and garden soil
434. 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
435. ca_____rd box *n.* a stiff, thick material made from compressed paper pulp used to make boxes and other packaging materials

ANSWERS: 426. element, 427. elevate, 428. opportune, 429. micro, 430. interval, 431. renewable, 432. dispose, 433. compost, 434. structure, 435. cardboard

436. wiggly w__ms *n.* a long, thin creature with a soft and long cylindrical tube-like body, no limbs, and a lack of eyes
437. cry_____ze into reality *v.* to form crystals from a liquid or solution; to become clear or definite in form or structure; to solidify
438. se_____ly connected *adv.* used to introduce the second point or item in a list or series of statements, considerations, etc.
439. br__e shrimp *n.* a strong solution of salt water used for preserving food, especially meat or fish; saline water found in salt mines or evaporated from seawater
440. principles of sus_____le development *adj.* able to continue or be continued for a long time
441. naval fl_____la *n.* a fleet or group of boats or small vessels typically used for military, naval, or recreational purposes
442. am_____g advances *adj.* extremely surprising, especially in a way that you like or admire
443. fa_____y accurate *adv.* to a certain extent or degree; without favoring one party in an evenhanded manner
444. reg_____ss tread *adv.* not paying attention or considering something or someone even if the situation is bad or there are difficulties
445. re_____e order *v.* to repair or return something or someone to a previous good state or position

ANSWERS: 436. worm, 437. crystallize, 438. secondly, 439. brine, 440. sustainable, 441. flotilla, 442. amazing, 443. fairly, 444. regardless, 445. restore

446. ma_____m limit *adj.* the largest or greatest amount or value attainable or attained
447. di_____ge water *v.* to release or let go of something or someone; to dismiss or terminate an employee or member of an organization; to emit or give off a substance or energy
448. fac_____te the process *v.* to make something easier or more likely to happen
449. in_____e a lot of paperwork *v.* to include or affect someone or something as a necessary part of something else
450. po____n allergy symptoms *n.* a fine powder substance consisting of microscopic grains produced by plants that facilitate their reproductive process through the process of pollination
451. s__k road *n.* a fine, strong, soft, lustrous fiber produced by silkworms in making cocoons and collected to make thread and fabric
452. bre_____ugh in the negotiations *n.* a sudden, dramatic, and important discovery or development that helps to improve a situation or provide an answer to a problem
453. language ada_____on *n.* the action or process of changing to suit different conditions
454. diagnostic ra_____gy *n.* the branch of medicine that uses medical imaging technologies such as X-rays, CT scans, MRIs, and ultrasound to diagnose and treat diseases and injuries

ANSWERS: 446. maximum, 447. discharge, 448. facilitate, 449. involve, 450. pollen, 451. silk, 452. breakthrough, 453. adaptation, 454. radiology

455. a ra____l flaw in the plan *adj.* relating to the essential aspects of anything; far beyond the norm, mainly used of opinions and actions
456. make dr____ic changes *adj.* very sudden, very excellent, or full of action and excitement
457. do____te possession *v.* to have or control a lot of power and influence over somebody or something
458. a g__d design *n.* a pattern of regularly spaced horizontal and vertical lines; a system of high tension cables by which electrical power is distributed throughout a region
459. s__n a top *v.* to cause something to rotate rapidly; to cause someone to feel dizzy or disoriented
460. mo__t soil *adj.* slightly wet, a state characterized by the presence of moisture or dampness
461. a mollusk sh__l *n.* hard outer covering or case of eggs, nuts, some seeds, and some animals
462. a li____r equation *adj.* of, relating to, or consisting of lines or length; able to be expressed as a straight line, especially on a graph
463. l__y perfume *n.* a flowering plant with large, showy, trumpet-shaped flowers, typically symbolizing purity, innocence, and beauty
464. cy____s swamp *n.* a tall, conical-shaped evergreen tree with small, needle-like leaves and small cones, often used in landscaping and as ornamental trees

ANSWERS: 455. radical, 456. dramatic, 457. dominate, 458. grid, 459. spin, 460. moist, 461. shell, 462. linear, 463. lily, 464. cypress

465. a ra_____l cure *adj.* relating to the essential aspects of anything; far beyond the norm, mainly used of opinions and actions
466. ef_____nt operation *adj.* performing at the highest level of productivity with the least wasted effort or resources; capable of achieving maximum output with minimum wasted effort, time, or materials
467. w__d a team of such people *v.* to join two or more pieces of metal together by heating their edges until they melt and fuse
468. pair of id_____al twins *adj.* being the exact same one
469. sodium ca_____te *n.* a carbonic acid salt or ester that contains the anion CO₃
470. co_____se with an acquaintance *v.* to talk informally
471. run like h__l *n.* the place thought to be where bad people go and are punished after death, often depicted as being located beneath the earth; an extraordinarily unpleasant or difficult place
472. geographical bo_____ry *n.* a real or imaginary line that marks the limit or extent of something and separates it from other things or places
473. increase sl_____ly *adv.* in a small degree or extent; a little
474. web sp____r *n.* a small, eight-legged creature that spins webs to catch insects as food; a computer program that systematically browses the World Wide Web for purposes of web indexing

ANSWERS: 465. radical, 466. efficient, 467. weld, 468. identical, 469. carbonate, 470. converse, 471. hell, 472. boundary, 473. slightly, 474. spider

475. pe_____on building *n.* a flat geometric shape with five straight sides and five angles; a building in Washington, D.C., that houses the U.S. Department of Defense and is the headquarters of the U.S. military
476. a numerator in a fr_____on *n.* a small part or item forming a piece of a whole; the quotient of two rational numbers
477. live an ab_____nt life *adj.* present in great quantity
478. ex_____ng news *adj.* causing a lot of interest or excitement
479. la__r cake *n.* a sheet, quantity, or thickness of the material, typically one of several, covering a surface or body; a level or part within a system or set of ideas
480. del_____ely amateurish *adv.* done in an intentional or slow and careful manner
481. la__r of paint *n.* a sheet, quantity, or thickness of the material, typically one of several, covering a surface or body; a level or part within a system or set of ideas
482. ma_____e amounts *adj.* enormous amount; very heavy and solid
483. pe_____ic payments *adj.* happening at regular intervals over a while
484. process of pho_____sis *n.* the process through which plants and other organisms transform light energy into chemical energy, which is then released through cellular respiration to power the organism's activities.

ANSWERS: 475. pentagon, 476. fraction, 477. abundant, 478. exciting, 479. layer, 480. deliberately, 481. layer, 482. massive, 483. periodic, 484. photosynthesis

485. give the waiter a t_p. *n.* the top or extreme point of something slender or tapering, usually a mountain or hill; a piece of advice about something practical; a small amount of money given for services
486. 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
487. in_____ne between quarreling parties *v.* to intentionally get involved in a situation to improve it or prevent it from getting worse
488. h__l broke loose *n.* the place thought to be where bad people go and are punished after death, often depicted as being located beneath the earth; an extraordinarily unpleasant or difficult place
489. ca___r farm *n.* the eggs of sturgeon or other large fish considered a delicacy and used especially in appetizers
490. ca_____e a glimpse *v.* to catch a person or an animal and confine them in an area which they cannot escape
491. a cold cl_____e *n.* the weather in a particular location averaged over some long period
492. the t_p of a paintbrush *n.* the top or extreme point of something slender or tapering, usually a mountain or hill; a piece of advice about something practical; a small amount of money given for services

ANSWERS: 485. tip, 486. compound, 487. intervene, 488. hell, 489. caviar, 490. capture, 491. climate, 492. tip

493. in___t in stocks	<i>v.</i> to put money, effort, time, etc. into something to make a profit or achieve a result
494. mu_____om cultivation	<i>n.</i> a type of fungus that grows on dead or decaying organic matter and typically has a stalk and an umbrella-shaped cap
495. co_____in information flow	<i>v.</i> to restrict or limit someone or something's freedom or ability to do something
496. am_____t temperature	<i>adj.</i> relating to the immediate surroundings of something; creating a particular atmosphere or mood, often through sound or lighting
497. d_n him for the unpaid bills	<i>adj.</i> having a dull brownish-gray color, often used to describe the color of certain animals, such as a dun horse; (verb) to repeatedly and insistently demand payment of a debt or money owed
498. exa_____te the situation	<i>v.</i> to make a situation, problem, or feeling worse
499. h__t production	<i>v.</i> to bring or come to a stop; to force to stop moving or operating
500. con_____ly access information	<i>adv.</i> in a way that happens without interruption or repeatedly
501. op_____ze a process	<i>v.</i> to make the best or most effective use of something
502. str_____al reorganization	<i>adj.</i> associated with the way on construction or organization of anything
503. bu_____g desire	<i>adj.</i> intense or scorching heat

ANSWERS: 493. invest, 494. mushroom, 495. constrain, 496. ambient, 497. dun, 498. exacerbate, 499. halt, 500. continually, 501. optimize, 502. structural, 503. burning

504. ca____g card *n.* a complete list of items, often including technical details and prices
505. at____t customers *v.* to draw or entice someone or something towards them through the qualities they have, especially positive ones
506. st____on fish *n.* a large, bony fish with a long, pointed snout and scaleless skin found in the northern hemisphere
507. beautiful su____e *n.* the time in the morning when the sun first appears in the sky
508. sl____ly alkaline soils *adv.* in a small degree or extent; a little
509. change the ec____em *n.* all the plants and living creatures in an area and the way they affect each other and the environment
510. ar____d gloves *adj.* relating to a type of strong, heat-resistant synthetic fiber that is used in the production of protective clothing, bulletproof vests, and other high-strength materials
511. met____sm enzyme *n.* the set of chemical reactions in cells or organisms that are necessary for life-sustaining
512. hum____de climate change *adj.* created or produced by humans; artificial
513. the stock market co____sed *v.* to fall down or give way suddenly, often after breaking apart
514. en____e the flavor of the vanilla *v.* to increase or improve the quality, amount, or strength of someone or something

ANSWERS: 504. catalog, 505. attract, 506. sturgeon, 507. sunrise, 508. slightly, 509. ecosystem, 510. aramid, 511. metabolism, 512. human-made, 513. collapse, 514. enhance

515. small mo____les *n.* a group of two or more atoms held together by attractive forces known as chemical bonds
516. wa____ul habits *adj.* characterized by excessive or unnecessary use or consumption; using resources or materials inefficiently or inappropriately, resulting in unnecessary waste or expense
517. ba____n wasteland *adj.* unable to produce or sustain growth; lacking fertility; unproductive; lacking interest, excitement, or creativity; empty or desolate
518. pro____on of civilization *n.* the act or process of changing to the next stage or phase or moving forward
519. weak fou____on *n.* the lowest load-bearing part of a building, typically below ground level; a fundamental basis or principle upon which something is built or established; an organization that provides funding or support for charitable or educational purposes
520. biological po____r *n.* a substance composed of macromolecules (= large groups of atoms) made from many smaller and simpler molecules

ANSWERS: 515. molecule, 516. wasteful, 517. barren, 518. progression, 519. foundation, 520. polymer

Session 3: Fill in the Blanks

1. The summer _____ was refreshing after the hot day.
n. a gentle wind that is not very strong or forceful, typically cool and refreshing
2. He spent only a _____ of his earnings.
n. a small part or item forming a piece of a whole; the quotient of two rational numbers
3. He was impressed by the range and _____ of the collection.
n. the quality or fact of many different types of things or people being included in something; a range of different things or people
4. The fire spread rapidly, engulfing everything in its path in a _____ inferno.
adj. intense or scorching heat
5. The bridge's _____ was carefully constructed to withstand high winds and heavy traffic.
n. the part of a structure or building that is built on top of the foundation or base; a framework or system that is built on top of something else and supports or enhances it
6. Most babies can readily _____ a wide variety of foods.
v. to transform food into absorbable substances; break down
7. The new washing machine is much more _____ than the old one.
adj. performing at the highest level of productivity with the least wasted effort or resources; capable of achieving maximum output with minimum wasted effort, time, or materials

ANSWERS: 1. breeze, 2. fraction, 3. diversity, 4. burning, 5. superstructure, 6. digest, 7. efficient

8. The new soil treatment will help _____ the nutrients, making them more accessible to the plants.
- v.* to convert or incorporate minerals into something, such as water, soil, or organic matter; to transform organic materials into a mineral form, often through natural processes
9. The perspective of his right brain _____ his consciousness.
- v.* to have or control a lot of power and influence over somebody or something
10. The _____ trees provide a picturesque backdrop for the lake.
- n.* a tall, conical-shaped evergreen tree with small, needle-like leaves and small cones, often used in landscaping and as ornamental trees
11. There is not a _____ of evidence that he is guilty.
- v.* to tear or cut something into a small pieces; (noun) a tiny or scarcely detectable amount
12. My father's death _____ my life completely.
- v.* to change in outward structure or looks;
13. This bridge is the third largest _____ bridge in the world.
- n.* a strong metal alloy made up of iron with typically a few tenths of a percent of carbon used for making things that need a strong structure
14. The phone rang at the most _____ time.
- adj.* suitable or happening at a time that is suitable or convenient for a particular purpose
15. The golfer recorded an _____ distance.
- adj.* extremely surprising, especially in a way that you like or admire

ANSWERS: 8. mineralize, 9. dominates, 10. cypress, 11. shred, 12. transformed, 13. steel, 14. opportune, 15. amazing

16. European powers _____ much of the Americas in the 16th and 17th centuries.
- v.* to establish a colony in or on a specific place; to settle or occupy in large numbers
17. The weightlifter used his strong _____ muscles to lift the heavy barbell.
- n.* the part of the body between the chest and pelvis that contains the stomach, intestines, liver, pancreas, and other organs; the posterior part of an insect's body, typically divided into segments
18. Anesthetize the gum before _____ the teeth.
- n.* a short passage taken from a book, piece of music, etc.; a substance obtained from something through a specific process; (verb) to obtain from something or to remove something by effort or force
19. Some insects use _____ to avoid detection by predators.
- n.* the act or skill of copying the sounds or behavior of a particular person or animal, often to make people laugh
20. _____ bacteria thrive in environments without oxygen, such as a sealed landfill.
- adj.* living or occurring in the absence of oxygen; relating to or involving a process that does not require oxygen
21. The _____ of the bees filled the air as she walked through the garden.
- adj.* producing a continuous, low, vibrating sound like that of the bee
22. The hunter tracked down his _____ in the woods.
- n.* a place where a stone or other materials are extracted from the ground; an animal or a person that is the target of hunting

ANSWERS: 16. colonized, 17. abdomen, 18. extracting, 19. mimicry, 20. Anaerobic, 21. humming, 22. quarry

23. The _____ of this information to the current situation needs to be investigated.
- n.* the state or degree of being closely connected or appropriate to the matter at hand
24. Astronomers are examining whether the _____ signals emanating from this star are artificial.
- adj.* happening at regular intervals over a while
25. The lump was discovered to be _____ and no further treatment was needed.
- adj.* kind and gentle; not harmful or malicious
26. Better sleep leads to increased _____.
- n.* the set of chemical reactions in cells or organisms that are necessary for life-sustaining
27. Doctors are gradually coming around to the idea of using _____ medicines.
- n.* one of two or more available possibilities or choice
28. People can pick out superior products _____ of the quality of the advertising.
- adv.* not paying attention or considering something or someone even if the situation is bad or there are difficulties
29. Eating food in a hurry _____ blood glucose levels.
- v.* to raise something from a lower to a higher position; to give a promotion to or assign to a higher position
30. The _____ by the citizen resulted in a redistribution of wealth.
- n.* a large-scale attempt to overthrow the government of a country, often using violence or war;

ANSWERS: 23. relevance, 24. periodic, 25. benign, 26. metabolism, 27. alternative, 28. regardless, 29. elevates, 30. revolution

31. Some research says that a relative decline in teacher salaries is causing labor _____.
- n.* the state of being in short supply; a small and inadequate amount
32. The body of his car has a _____ finish.
- adj.* having a surface without a shine, luster; non-glossy
33. The buildup of _____ in the soil can cause it to become too acidic, which can be harmful to plants.
- n.* a chemical compound made up of phosphorus (= a chemical element with the symbol P) and oxygen (= a chemical element with the symbol O), often used in fertilizers, detergents, and other industrial processes
34. They study the _____ of the universe.
- n.* a gradual process of transformation of living things
35. The _____ event was one of the highlights of the competition.
- adj.* relating to or involving horses or horse riding
36. It's important to _____ your strengths and weaknesses.
- v.* to acknowledge or realize something or someone; to identify, remember, or become aware of something that was previously known or encountered
37. As the sugar water cools, it will slowly _____ into rock candy.
- v.* to form crystals from a liquid or solution; to become clear or definite in form or structure; to solidify
38. The investigation _____ several government agencies and is expected to take several months.
- v.* to include or affect someone or something as a necessary part of something else

ANSWERS: 31. scarcity, 32. matte, 33. phosphate, 34. evolution, 35. equestrian, 36. recognize, 37. crystallize, 38. involves

39. The earthquake resulted in significant _____ destruction.

adj. associated with the way on construction or organization of anything

40. Water was beginning to _____ into the basement after the heavy rain.

v. to flow or drip slowly and in small amounts; to happen or occur gradually or in small quantities

41. The statement had a _____ impact on house prices.

adj. very sudden, very excellent, or full of action and excitement

42. The company has made great strides in its _____ toward sustainability.

n. the act or process of changing to the next stage or phase or moving forward

43. Natural selection is an essential _____ in Darwin's theory of evolution.

n. a fundamental or essential part of something

44. Because of the road closure, we had to take a _____ route to reach the destination.

n. a circuitous or indirect route or path; a traffic circle or rotary used to regulate the flow of traffic

45. You can add coffee grounds and crushed eggshells to your _____ to improve the pH balance.

n. a mixture of organic matter, such as food scraps, yard waste, and manure, that is allowed to decompose and is used as fertilizer for plants and garden soil

46. The hospital will _____ the patient as soon as their condition stabilizes.

v. to release or let go of something or someone; to dismiss or terminate an employee or member of an organization; to emit or give off a substance or energy

ANSWERS: 39. structural, 40. trickle, 41. dramatic, 42. progression, 43. element, 44. roundabout, 45. compost, 46. discharge

47. The _____ risotto was delicious, but I couldn't identify all the mushrooms in it.

n. a type of fungus that grows on dead or decaying organic matter and typically has a stalk and an umbrella-shaped cap

48. The Earth is a nearly _____ planet.

adj. having the shape of a sphere; round, spherical, or ball-shaped in appearance

49. The ____ cleared away, and the star-filled sky appeared.

n. a thick cloud consisting of tiny water droplets or ice crystals suspended in the air at or near the Earth's surface; a weather condition in which visibility is reduced because of a cloud of water

50. The military regime has promised to _____ democracy as soon as possible.

v. to repair or return something or someone to a previous good state or position

51. 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

52. The ____ on the beach was warm and golden.

n. finely granulated particles of rock or mineral material typically found along beaches, deserts, or riverbeds; used in construction, landscaping, and other applications requiring drainage or abrasive action

53. This exam requires excellent _____ to pass.

n. the ability to focus all your time and energy on one thing without thinking about anything else.

54. The new strategy will _____ the profitability of our company.

v. to increase or improve the quality, amount, or strength of someone or something

ANSWERS: 47. mushroom, 48. spherical, 49. fog, 50. restore, 51. environment, 52. sand, 53. concentration, 54. enhance

55. During _____ farmers are incredibly busy.
- n.* yields of plants in a single growing season; the period of the year when gathering occurs on a farm
56. 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
57. 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
58. The roof finally _____ after three days and three nights of heavy snowfall.
- v.* to fall down or give way suddenly, often after breaking apart
59. The baker used a brush to _____ the donuts with a sweet, shiny coating.
- v.* to cover or coat with a thin layer of film, particularly a shiny or glossy layer, such as a layer of protective material on ceramics or a top coat of paint on a surface; to apply a thin, glossy coating to food, often using a sauce or syrup
60. The jeweler _____ the crown with a variety of precious stones.
- v.* to cover or coat something with a crust (= hard outer layer), often as a result of an accumulation of materials over time
61. They used fast-acting _____ on the flowers in the flower beds.
- n.* any substance that is essential for the maintenance and growth of living things
62. It was the _____ of a dinosaur tooth.
- n.* any preserved remains, impression, or trace of any once-living thing that has become hard and turned into rock

ANSWERS: 55. harvest, 56. atmosphere, 57. reversed, 58. collapsed, 59. glaze, 60. encrusted, 61. nutrients, 62. fossil

63. 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
64. For the analysis _____ the system remains at a standstill state.
- n.* a period between two events or times; a short break or pause
65. This approach employs both _____ and macro analysis methods.
- n.* extremely small in scale or scope; one millionth
66. I got up early to watch the _____ at the summit.
- n.* the time in the morning when the sun first appears in the sky
67. Many people in this city use the _____ railway for transportation.
- n.* a shape like a curve or a circle made by something long and thin, such as a piece of string, that bends round and crosses itself
68. The primary purpose of the _____ is pain relief.
- n.* the way in which someone deals with or behaves towards someone or something; medical care provided to a patient for an injury or illness.
69. Powder coating protects the _____ aluminum alloy components.
- adj.* composed of thinner and lighter material than average; not severe or impressive
70. 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: 63. compound, 64. interval, 65. micro, 66. sunrise, 67. loop, 68. treatment, 69. lightweight, 70. glands

71. The _____ temperature recorded this summer was higher than average.
adj. the largest or greatest amount or value attainable or attained
72. Firstly, we will discuss the budget; _____ we will go over the schedule.
adv. used to introduce the second point or item in a list or series of statements, considerations, etc.
73. Sow early for an early _____.
n. a plant that is cultivated in large amounts, particularly for food
74. The sun will _____ the mist.
v. to turn a liquid into a gas; to become less intense and disappear gradually
75. The _____ material easily absorbs and retains water.
adj. having a strong affinity or attraction to water; capable of absorbing or dissolving in water
76. The honeycomb structure of a beehive is made up of _____.
n. a six-sided polygon with six angles and six sides of equal length
77. The patient's vital signs are _____ indicating a stable condition.
adj. firmly fixed, supported, or balanced; not shaking or moving
78. 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
79. The tornado is _____ across the countryside, destroying everything in its path.
v. to cause something to rotate rapidly; to cause someone to feel dizzy or disoriented

ANSWERS: 71. maximum, 72. secondly, 73. crop, 74. evaporate, 75. hydrophilic, 76. hexagons, 77. steady, 78. inspired, 79. spinning

80. The _____ of frost on the ground was so thick it was difficult to walk on.
- n.* a sheet, quantity, or thickness of the material, typically one of several, covering a surface or body; a level or part within a system or set of ideas
81. The _____ spun an intricate web in the corner of the room.
- n.* a small, eight-legged creature that spins webs to catch insects as food; a computer program that systematically browses the World Wide Web for purposes of web indexing
82. She wore a _____ dress to the party.
- n.* a fine, strong, soft, lustrous fiber produced by silkworms in making cocoons and collected to make thread and fabric
83. I don't want to _____ for second best.
- v.* to reach an agreement of disagreement
84. _____ batteries are commonly used in laptops, smartphones, and electric vehicles.
- n.* a soft, silvery-white metal that is highly reactive and used in batteries, alloy production, and medications for bipolar disorder
85. She accidentally _____ into him in the crowded room.
- v.* to hit or knock against something hard, often with a dull sound; to meet with by accident
86. The country experienced a _____ increase in population.
- adj.* happening slowly over a long period of time or distance; not steep or abrupt
87. We are developing plant-derived _____ to reduce environmental impact.
- n.* a substance composed of macromolecules (= large groups of atoms) made from many smaller and simpler molecules

ANSWERS: 80. layer, 81. spider, 82. silk, 83. settle, 84. Lithium-ion, 85. bumped, 86. gradual, 87. polymers

88. She _____ the files into a single ZIP archive to save space on her computer.
- v.* to press or squeeze together to make something take up less space
89. 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
90. The train came to a _____ at the station.
- v.* to bring or come to a stop; to force to stop moving or operating
91. Advocates for legal reform hear less harsh words from their _____.
- n.* someone who expresses opinions about the quality of books, music, etc.
92. Solar gravity creates _____ pressures and temperatures.
- adj.* very great in amount or degree
93. The _____ problem defied a solution.
- adj.* difficult to manage or control; stubborn or obstinate
94. The couple decided to use the non-husband sperm to _____ a wife.
- v.* to cause an egg, female animal, or plant to develop by joining sperm from the male with them; to add a natural or chemical substance to land to make plants grow well
95. The company's _____ approach has been highly effective.
- n.* the action or process of changing to suit different conditions

ANSWERS: 88. compressed, 89. process, 90. halt, 91. critics, 92. extreme, 93. intractable, 94. fertilize, 95. adaptation

96. Infant formulas are nutritionally almost _____ to a mother's breast milk.

adj. being the exact same one

97. The national election was held amid _____ security.

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

98. The engine did not start because the _____ was flat.

n. a device that is placed inside a car, gadget, equipment, etc. and that provides electrical power to them

99. We should do our best not to _____ the environment.

v. to make an area or substance, such as land, air, water, etc., dirty or harmful to living things by adding waste matter or harmful chemicals

100. _____ panels have greatly improved not only in performance but also in durability.

adj. of, from, or relating to the sun

101. I enjoyed my camping trip with friends, toasting marshmallows over a glowing _____ cracker.

n. a type of flour made from whole wheat that has had the bran and germ removed and is often used to make crackers or cookies; a cracker made with this type of flour

102. The _____ fibers used in constructing the bulletproof vest provided excellent protection.

adj. relating to a type of strong, heat-resistant synthetic fiber that is used in the production of protective clothing, bulletproof vests, and other high-strength materials

ANSWERS: 96. identical, 97. tight, 98. battery, 99. pollute, 100. Solar, 101. graham, 102. aramid

103. This material can _____ moisture swiftly.

v. to force an attack or attacker to withdraw or retreat

104. The _____ effect is a phenomenon that happens naturally.

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

105. The production of _____ fuels requires massive volumes of fresh water.

adj. capable of being renewed, extended, or replaced

106. The pool was closed due to high levels of _____.

n. a compound that is formed when the element chlorine is combined with another element, such as sodium, potassium, or calcium, and chloride ions are found in many types of salts and are important for bodily functions such as digestion and fluid balance

107. The _____ in the area is quite diverse.

n. plants in general, particularly those indigenous to a particular region or spot

108. He deals _____ with his employees.

adv. to a certain extent or degree; without favoring one party in an evenhanded manner

109. She _____ the balloons for the party.

v. to fill something with air or gas so that it becomes bigger and rounder

110. Roads _____ from the famous building in the center of the city.

v. to spread out or emit something, such as light or heat, in all directions

ANSWERS: 103. repel, 104. greenhouse, 105. renewable, 106. chloride, 107. vegetation, 108. fairly, 109. inflated, 110. radiate

111. The food chain causes a material _____.

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

112. The new employee proved extremely _____ completing projects ahead of schedule.

adj. resulting in or making a lot or a significant amount of something, especially something of value

113. I found an old _____ of my grandparents from their wedding day.

n. a picture or image that is produced by a camera; a visual representation or record of a person, object, or scene that has been captured electronically or on film

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

adj. able to withstand or recover quickly from difficult conditions

115. A healthy farm provides an _____ of food.

n. a significant amount of something; the situation in which there is too much of something

116. 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

117. 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

118. The essence of economics is to _____ the allocation of limited resources.

v. to make the best or most effective use of something

ANSWERS: 111. cycle, 112. productive, 113. photograph, 114. resilient, 115. abundance, 116. ecosystem, 117. relations, 118. optimize

119. Five miles is _____ similar to eight kilometers.

adv. approximately but not precisely; with a violent manner

120. The shape of the DNA _____ is a double helix.

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

121. The shape of the building is a distinctive five-sided _____.

n. a flat geometric shape with five straight sides and five angles; a building in Washington, D.C., that houses the U.S. Department of Defense and is the headquarters of the U.S. military

122. Creativity and _____ are often brought about by extreme concentration.

n. the quality of inventing things or solving problems in clever new ways

123. Buying new clothes every week is a _____ use of money and resources.

adj. characterized by excessive or unnecessary use or consumption; using resources or materials inefficiently or inappropriately, resulting in unnecessary waste or expense

124. 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

125. I will introduce some _____ on learning English in this class.

n. the top or extreme point of something slender or tapering, usually a mountain or hill; a piece of advice about something practical; a small amount of money given for services

126. The desert is known for its _____ terrain with no sign of vegetation.

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

ANSWERS: 119. roughly, 120. molecule, 121. pentagon, 122. ingenuity, 123. wasteful, 124. planet, 125. tips, 126. barren

127. The _____ of the characters in the movie was so realistic, and it was as if they were there.

- n.* the technique of photographing successive drawings or positions of puppets or models to create an illusion of movement when the film is shown as a sequence; enthusiasm and energy in the way you look or behave

128. 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

129. The ____ of Mexico is a body of water in the southern United States.

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

130. The ____ scarcity most severely impacted the manufacturing sector

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

131. She tried to ____ out the unpleasant memory with alcohol.

- v.* to soak up a liquid by using a piece of cloth, paper, etc.; to make a spot or spots onto paper

132. Could you help me _____ some furniture?

- n.* a slight transition in position, direction, or trend

133. The _____ of the building was cracked and needed to be repaired.

- n.* the lowest load-bearing part of a building, typically below ground level; a fundamental basis or principle upon which something is built or established; an organization that provides funding or support for charitable or educational purposes

ANSWERS: 127. animation, 128. function, 129. Gulf, 130. fuel, 131. blot, 132. shift, 133. foundation

134. _____ moisture is another significant component controlling soil respiration.
n. the top layer of Earth in which plants grow
135. These articles cite five _____ of climate change.
n. a particular example or single occurrence of something
136. The new software program was designed to increase productivity by promoting employee _____.
n. the interaction of elements that, when combined, produce a total effect that is greater than the sum of the individual elements
137. He worked on improving the equipment using the freeze-_____ method.
n. the process of removing salt, especially from seawater
138. _____ meat is considered a delicacy in many countries around the world.
n. a large, bony fish with a long, pointed snout and scaleless skin found in the northern hemisphere
139. I need to _____ all of my notes into a manageable summary for my presentation.
v. to reduce the volume or size of something, often by removing water or other liquid; to make something shorter, more concise, or more concentrated
140. The desert is known for its _____ climate and lack of rainfall.
adj. lacking in moisture or rainfall; dry and barren; lacking in interest, life, or vitality
141. Generally speaking, the child is innately _____ to learn a language.
v. to put things or people in a particular manner or position; to incline someone towards a specific activity or mood; throw or cast away

ANSWERS: 134. Soil, 135. instances, 136. synergy, 137. desalination, 138. Sturgeon, 139. condense, 140. arid, 141. disposed

142. Efficiency isn't an essential _____ here; fairness is.

n. a fundamental law or truth that explains or controls how something happens or works

143. The government should do more to support environmentally _____ agriculture.

adj. able to continue or be continued for a long time

144. The air was so _____ that my clothes felt damp.

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

145. It is _____ that we leave for the airport now to catch our flight.

adj. requiring immediate attention or action; pressing

146. Tall _____ trees surrounded the cabin in the woods.

n. a type of fragrant, evergreen tree that is known for its reddish-brown wood and its use in furniture, building materials, and as an ornamental plant

147. Eyeless fish _____ in dark caves.

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

148. The management must _____ strategies to increase office security.

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

149. The recipe called for a teaspoon of _____ to add flavor.

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

ANSWERS: 142. principle, 143. sustainable, 144. humid, 145. urgent, 146. cedar, 147. evolved, 148. explore, 149. brine

150. This region is predominantly _____.

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

151. The sun set over the crest of _____ hills.

adj. far away in space, time, or where you are; far apart in relevance, relationship, or kinship

152. The _____ to the safe was a secret.

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

153. The _____ levels in the ocean have been increasing due to climate change.

n. the presence or amount of salt in a substance, especially in water or soil; the measure of the concentration of dissolved salts in a liquid

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

adj. enormous amount; very heavy and solid

155. Loud noises might harm the fragile ear _____.

n. a soft, thin layer that forms animal or vegetable tissue

156. Jet _____ are the common name for air currents that form high in the atmosphere.

n. a small, narrow river; a continuous flow of something, such as liquid, gas, people, vehicles, etc.

157. High levels of _____ in the diet can increase the risk of developing high blood pressure.

n. a metallic element that is the most common alkali metal and is used in the production of many chemicals, including soap, glass, and paper

ANSWERS: 150. desert, 151. distant, 152. combination, 153. salinity, 154. massive, 155. membrane, 156. streams, 157. sodium

158. Her tongue runs on _____.

adv. in a way that happens without interruption or repeatedly

159. We decided to take a detour to avoid the construction _____ on the main road.

n. the movement of vehicles, people, or goods along a route or through a transport system; the amount of such movement in a particular place or at a particular time

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

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

161. They had to _____ a system that did not depend on fossil fuels.

v. to come up with an idea, plan, theory, etc., using your intelligence or imagination

162. Global _____ is rising in virtually every industry.

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

163. In _____ plants use carbon dioxide to feed themselves.

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

164. The government is eager to _____ international investment.

v. to draw or entice someone or something towards them through the qualities they have, especially positive ones

165. _____ pattern roads often appear in urban areas.

n. a pattern of regularly spaced horizontal and vertical lines; a system of high tension cables by which electrical power is distributed throughout a region

ANSWERS: 158. continually, 159. traffic, 160. temperatures, 161. devise, 162. competition, 163. photosynthesis, 164. attract, 165. Grid

166. The _____ is endangering the local plants and animals.
n. the introduction of harmful substances or waste into the natural environment that causes adverse change
167. I was able to _____ the moment on film.
v. to catch a person or an animal and confine them in an area which they cannot escape
168. In ancient civilizations, the scarab _____ was worshiped as a sacred creature.
n. an insect having a hard shell-like back covering its wings
169. My hands felt _____ and sweaty during the exam.
adj. slightly wet, a state characterized by the presence of moisture or dampness
170. I _____ to him that I had seen his sister at the grocery store earlier that day.
v. to speak or write about something or someone briefly
171. I made a _____ box to store my winter clothes in.
n. a stiff, thick material made from compressed paper pulp used to make boxes and other packaging materials
172. We must consume dietary _____ to maintain good health.
n. thread or filament used to make a vegetable tissue, mineral material, or textile
173. 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
174. The patient was prescribed a _____ supplement to help prevent osteoporosis.
n. a chemical element with the symbol Ca and atomic number 20, which is an important mineral for the human body

ANSWERS: 166. pollution, 167. capture, 168. beetle, 169. moist, 170. mentioned, 171. cardboard, 172. fiber, 173. moisture, 174. calcium

175. The ____ deadline for submitting the project is tomorrow, so we need to work efficiently to finish on time.
- adj.* resolute or unwavering in decision-making or action; strong or secure in structure, make, or composition; reliable, trustworthy, or dependable; (noun) a business or company
176. She threaded the ____ onto the string to make a necklace.
- n.* a small, usually round object made of glass, wood, or plastic that is used for decoration or as part of jewelry
177. The _____ of boats sailed together in perfect formation for the maritime parade.
- n.* a fleet or group of boats or small vessels typically used for military, naval, or recreational purposes
178. The ballerina's _____ movements left the audience mesmerized.
- adj.* flexible and easy to bend or move; gracefully agile; adaptable or responsive to change or new ideas
179. A _____ of grapes hung from the vine.
- n.* a group of similar things or people close together, often forming a distinct mass or unit
180. The construction site was an _____ that disrupted the peacefulness of the area.
- n.* something unpleasant, unattractive, or offensive to look at, often because it is neglected, run-down, or out of place
181. A single _____ of water can reflect the entire world upside down.
- n.* a small drop of liquid

ANSWERS: 175. firm, 176. beads, 177. flotilla, 178. supple, 179. cluster, 180. eyesore, 181. droplet

182. They carefully executed the well-planned _____ they had prepared over the years.
- n.* an organized and often large-scale plan or arrangement for doing something
183. Computational simulations help determine which _____ molecule is susceptible to change by specific enzymes.
- n.* a substance or layer from which an organism grows and lives and by which an organism is supported; a substance on which an enzyme or ferment act
184. The patient underwent a _____ scan to diagnose their medical condition.
- n.* the branch of medicine that uses medical imaging technologies such as X-rays, CT scans, MRIs, and ultrasound to diagnose and treat diseases and injuries
185. Driving was difficult on the _____ cobblestoned surface.
- adj.* not having an even or balanced shape or arrangement; contrary to the usual rule, accepted order, or what is expected
186. The vegetarian burger was an _____ that quickly spread to the United Kingdom.
- n.* the creation of a new device or process resulting from study and experimentation
187. _____ help dispose of the food waste produced by humans.
- n.* a long, thin creature with a soft and long cylindrical tube-like body, no limbs, and a lack of eyes
188. The restaurant is famous for its _____ where they serve the best steaks.
- n.* a device used for cooking food by direct exposure to heat, typically a metal rack set over a fire or gas flame, or a part of an oven; (verb) to cook something over or under a grill

ANSWERS: 182. scheme, 183. substrate, 184. radiology, 185. irregular, 186. innovation, 187. Worms, 188. grill,

189. People tend to make _____ predictions.

adj. of, relating to, or consisting of lines or length; able to be expressed as a straight line, especially on a graph

190. The _____ of water is called ice.

adj. hard or firm; characterized by good substantial quality

191. 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

192. He _____ misleads others.

adv. done in an intentional or slow and careful manner

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

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

194. My allergies flare up during _____ season, making it difficult to breathe.

n. a fine powder substance consisting of microscopic grains produced by plants that facilitate their reproductive process through the process of pollination

195. Trends in the fashion industry are so _____ that it is challenging to keep up with them.

adj. constantly changing or moving

196. Driving is difficult for me because of my poor _____.

n. the ability to think about or see the future with imagination and intelligence; the faculty of being able to see

ANSWERS: 189. linear, 190. solid-state, 191. economy, 192. deliberately, 193. strength, 194. pollen, 195. shifting, 196. vision

197. The political situation _____ the country's economic growth and foreign relations.

v. to restrict or limit someone or something's freedom or ability to do something

198. We have a mutually _____ connection with them.

adj. involving two varieties of animal or plant, each of which supplies the conditions for the other to exist

199. The government established by the coup was more _____ than before.

adj. relating to the essential aspects of anything; far beyond the norm, mainly used of opinions and actions

200. The best way to _____ financial risks is to diversify your portfolio.

n. a fence formed by a line of bushes or shrubs; (verb) limit or avoid something such as duties, issues, and questions by conditions or exceptions

201. The factory has been _____ for years and requires renovation.

adj. not used as much as is possible or necessary

202. The bridge is a _____ structure and was built to span the river.

adj. created or produced by humans; artificial

203. The police couldn't find a _____ to her whereabouts.

n. an object, a piece of evidence, or some information that helps someone to find the answer to a problem, question, or mystery

204. She used the online _____ to find the perfect pair of earrings for her sister's birthday.

n. a complete list of items, often including technical details and prices

ANSWERS: 197. constrained, 198. symbiotic, 199. radical, 200. hedge, 201. underutilized, 202. human-made, 203. clue, 204. catalog

205. She was wearing a beautiful necklace made from an _____ shell.
- n.* a type of marine mollusk or sea snail that is highly valued for its meat and attractive, iridescent shell, which is often used for decorative or jewelry-making purposes
206. The company implemented a new software system to _____ employee communication and collaboration.
- v.* to make something easier or more likely to happen
207. The company's plastic products are easily _____ thanks to a unique manufacturing process.
- v.* to decay naturally by microorganisms, such as bacteria and fungi
208. The building was _____ with fire.
- adj.* on fire; burning brightly
209. The spider was camouflaged on the _____ rock, waiting for its next prey.
- adj.* having a dull brownish-gray color, often used to describe the color of certain animals, such as a dun horse; (verb) to repeatedly and insistently demand payment of a debt or money owed
210. The country has _____ oil and natural gas resources.
- adj.* present in great quantity
211. The _____ jets gradually dominate the world's airlines.
- adj.* enormous; much bigger or more important than similar items usually are
212. The mayor announced that the renovation of the city hall is now nearing _____.
- n.* the act or process of finishing something that you are doing or making; the state of being finished

ANSWERS: 205. abalone, 206. facilitate, 207. biodegraded, 208. ablaze, 209. dun-colored, 210. abundant, 211. giant, 212. completion

213. The heat wave _____ the drought conditions.

v. to make a situation, problem, or feeling worse

214. The findings of the experiment were both _____ and unexpected.

adj. causing a lot of interest or excitement

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

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

216. The menu at the fancy restaurant featured a selection of _____ from around the world.

n. the eggs of sturgeon or other large fish considered a delicacy and used especially in appetizers

217. He moved his body _____ to the left.

adv. in a small degree or extent; a little

218. A diversified plant species generally enhances beneficial _____ populations.

n. a tiny living thing

219. I will work hard to _____ my goals and realize my dreams.

v. to successfully complete a task or goal, often through hard work, perseverance, and dedication; to attain or accomplish something that one has set out to do

220. As that country developed its industry, it began to invest more in _____ treatment technology.

n. water that contains waste substances from homes, farms, factories, etc.

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

n. a chance that something may happen or be true

ANSWERS: 213. exacerbated, 214. exciting, 215. propose, 216. caviar, 217. slightly, 218. organism, 219. achieve, 220. wastewater, 221. possibility

222. The outermost electron _____ determines the chemical properties of an atom.
n. hard outer covering or case of eggs, nuts, some seeds, and some animals
223. Ordinary air purifiers cannot adequately remove pollen _____.
n. wheat or any other small hard seeds used as a food; a relatively small granular particle of a substance
224. She enjoyed the opportunity to _____ with a person who spoke her language.
v. to talk informally
225. He is very popular at school because he can _____ all the teachers' accents.
v. to imitate someone's speech, movement, or behavior, especially to make others laugh
226. One of her _____ is that she always wears mismatched socks.
n. a peculiar behavior, habit, or characteristic that is distinctive to an individual or group
227. The _____ lighting in the restaurant created a cozy and romantic atmosphere.
adj. relating to the immediate surroundings of something; creating a particular atmosphere or mood, often through sound or lighting
228. 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
229. The beautiful _____ garden in the park was a sight to behold.
n. a flowering plant with large, showy, trumpet-shaped flowers, typically symbolizing purity, innocence, and beauty

ANSWERS: 222. shell, 223. grains, 224. converse, 225. mimic, 226. quirks, 227. ambient, 228. develop, 229. lily

230. Necessity is the mother of _____.

- n.* the creation of a new device or process resulting from study and experimentation; the act of inventing

231. The movie has received almost universally _____ criticism.

- adj.* having the quality of something bad or harmful; expressing refusal

232. Following international law, our country does not _____ in the internal affairs of our neighbors.

- v.* to intentionally get involved in a situation to improve it or prevent it from getting worse

233. Our company must continue to strive for greater _____.

- n.* the state or quality of doing something well with no waste of input such as time or money

234. The _____ coating on the apple made it difficult to wash.

- adj.* having a texture or appearance that is similar to wax; smooth and shiny; resistant to water or other liquids

235. Trees absorb _____ dioxide and give off oxygen.

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

236. A technique called deep learning has led to _____ in AI.

- n.* a sudden, dramatic, and important discovery or development that helps to improve a situation or provide an answer to a problem

237. Radiation from _____ has a different wavelength.

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

ANSWERS: 230. invention, 231. negative, 232. intervene, 233. efficiency, 234. waxy, 235. carbon, 236. breakthroughs, 237. sunlight

238. On three sides, mountains _____ the settlement.

v. to be all around something or somebody

239. Many people worry that the current real estate market is a _____ that could burst soon.

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

240. He was _____ to learn more about the subject and attended every lecture.

adj. having or showing quick and eager intelligence or interest

241. 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

242. Along the gravel roads, sizeable yellow school buses _____.

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

243. The explosive chemical reaction does not occur in all sodium _____.

n. a carbonic acid salt or ester that contains the anion CO₃

244. The desalination plant turned _____ into drinking water through a complex process.

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

245. 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

ANSWERS: 238. surround, 239. bubble, 240. keen, 241. humidity, 242. crawl, 243. carbonate, 244. seawater, 245. structure

246. This country faces problems in finding enough suitable _____ sites.
n. a site for the disposal of waste materials
247. The product developed through years of research continues to _____ the market.
v. to make a machine or system work by using electricity; to make someone extremely enthusiastic about or interested in something
248. The battlefield became _____ on earth.
n. the place thought to be where bad people go and are punished after death, often depicted as being located beneath the earth; an extraordinarily unpleasant or difficult place
249. The government should view children as national assets and actively _____ in them.
v. to put money, effort, time, etc. into something to make a profit or achieve a result
250. _____ and weather have an impact on every part of our lifestyles.
n. the weather in a particular location averaged over some long period
251. His poem has a very significant _____.
n. something that is inferred or indirectly stated; the act or fact of being involved in something
252. The economic stimulation program would _____ a lot of new jobs.
v. to produce or create something; to make offspring by reproduction
253. This microbe is a parasite of _____ fish.
adj. living in, found in, or connecting with water that does not contain salt

ANSWERS: 246. landfill, 247. electrify, 248. hell, 249. invest, 250. Climate, 251. implication, 252. generate, 253. freshwater

254. The waves are beating against the _____.

- n.* the land along the edge of a sea, lake, broad river, or other large body of water;
(verb) to support by placing against something solid or rigid

255. The security camera has _____ four intruders.

- v.* to find or recognize something, especially something difficult to see, hear, etc.

256. After a long period of estrangement, they _____ with each other.

- v.* to connect again after a break or interruption

257. He wandered the _____ between life and death by gunfire.

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

258. _____ bees are boring holes into the wall.

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

259. He learned how to _____ metal in his high school shop class.

- v.* to join two or more pieces of metal together by heating their edges until they melt and fuse

260. 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

ANSWERS: 254. shore, 255. detected, 256. reconnected, 257. boundary, 258. Carpenter, 259. weld, 260. biology