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Vocabulary Builder Reference from...

Neri Oxman: Design at the intersection of technology and biology | TED Talk

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

All Words

IMPORTANT

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Session 1: Word List

twain

n. either of two children born at the same time from the same mother

(1) a **twain-lens** camera, (2) a **twain** room

Its **twain** brothers are difficult to tell apart except for their parents.

dome

n. a rounded vault forming the roof of a building or structure, typically with a circular base

synonym: hemisphere, cupola, vaults

(1) snow **dome**, (2) **dome** structure

The cathedral **dome** soared high above, its stained-glass windows casting colorful light on the altar below.

opposed

adj. being completely different from something or disagreeing strongly with something

synonym: anti, averse, hostile

(1) two **opposed** characters, (2) absolutely **opposed** to abortion

I'm strongly **opposed** to that plan.

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.

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.

thread

n. a fine cord of natural or synthetic fibers or filaments, such as cotton or nylon, used in sewing, knitting, or weaving; a series of connected messages or comments on a social media platform or online forum, often related to a particular topic; a sequence or line of events, ideas, or actions that are connected or related; (verb) to pass a thread through a needle or other small opening, in preparation for sewing or stitching

synonym : filament, string, yarn

(1) **thread** a catheter, (2) start a new **thread**

The detective followed a **thread** of clues which ultimately led to the suspect's arrest.

synthetic

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

synonym : artificial, manufactured, fabricated

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

Synthetic diamonds play an essential role as machine tool blades.

organic

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

synonym : biological

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

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

impose

v. to officially force a new law, tax, duty, etc. to be obeyed or received

synonym : charge, levy, foist

(1) **impose** harsher sanctions, (2) **impose** tariffs

The problem with achievement tests is the narrowness they **impose** on students.

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**.

marble

n. a hard crystalline metamorphic rock that has a pattern of lines going through it and takes a high polish used for sculpture and as building material; a small ball made of stone, especially one used in children's games

synonym : stone, rock, sphere

(1) **marble** statues, (2) artificial **marble**

The floor was made of white and black **marble** arranged in a checkerboard pattern.

struggle

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

synonym : toil, strive, compete

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

He could not **struggle** against temptation.

chisel

n. a tool with a sharpened edge at one end used for shaping wood, stone, or metal; (verb) to engage in deceitful behavior

synonym : gouge, bevel, plane

(1) sharpen **chisel**, (2) **chisel** some money

The archaeologist used a small **chisel** to excavate the

ancient artifact.

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**.

consequence

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

synonym: result, impact, outcome

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

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

industrial

adj. of or relating to or resulting from industry

synonym: manufacturing, mechanical

(1) beginning of the **industrial** revolution, (2) **industrial** alcohol

Industrial design has become more focused on human nature aspect than ever before.

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.

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.

rigor

n. strictness or severity in opinion, temper, or judgment

synonym : strictness, exactness, accuracy

(1) the **rigor** of the law, (2) academic **rigor**

When the dead body was found, **rigor** mortis had already begun.

manufacture

v. to make goods in large numbers, usually in a factory using machines

synonym : create, fabricate, assemble

(1) **manufacture** an enzyme, (2) **manufacture** a product

The majority of synthetic vitamins are **manufactured** from oil.

mass

n. a large amount of a substance with no definite shape or form; a large number of people or things grouped or crowded together

synonym : abundance, crowd, mob

(1) a **mass** of molten rock, (2) critical **mass**

The **mass** of people who do not own property is politically impotent.

assembly

n. a group of people who have been elected, especially one that meets regularly and makes decisions or laws for a specific region or country

synonym : crowd, gathering, mass

(1) **assembly** line, (2) **assembly** hall

This company's **assembly** plant is an enormous facility.

dictate

v. to state or give order with total authority; to say or read aloud for somebody else to write down or to be recorded

synonym : read out, prescribe, order

(1) **dictate** a letter to secretary, (2) **dictate** to the associate
The allies **dictated** the terms of surrender to the country.

frame

n. a strong border or structure of the wood, metal, etc. that surrounds something such as a picture, door, or window
synonym: body, skeleton, scaffolding

(1) a picture **frame**, (2) the **frame** of the policy
The detective looked for fingerprints on the window **frame**.

imaginary

adj. existing only in someone's mind
synonym: fictional, ideal, fantastical

(1) **imaginary** number, (2) **imaginary** pregnancy
Little children tend to have **imaginary** friends.

architect

n. a person whose job is to design plans to be used in making something, such as buildings
synonym: creator, designer, planner

(1) landscape **architect**, (2) **architect** of the peace accord
The building **architect** tried to build the house above the tree.

discrete

adj. separate and distinct; not continuous; individually distinguishable
synonym: separate, distinct, individual

(1) **discrete** metric space, (2) **discrete** variable
The company divided the tasks into **discrete** segments to increase efficiency.

distinct

adj. noticeable from something else of a similar type
synonym: different, special, characteristic

(1) **distinct** difference, (2) **distinct** from each other
It is essential to keep these two issues **distinct**.

homogeneous

adj. consisting of or composed of parts that are similar or identical in nature, kind, or character; uniform in structure or composition
synonym: uniform, consistent, like

(1) **homogeneous** society, (2) **homogeneous** culture
The population in the rural area was very **homogeneous**, with everyone having the same cultural and ethnic background.

facial

adj. of or relating to a person's face

synonym: forward, front, surface

(1) **facial** nerve, (2) **facial** expressions

Facial profiling is a new form of airport security.

filter

n. any of several types of equipment or systems used to separate particles from liquids or gases or to remove specific forms of light

synonym: strainer

(1) gas **filter**, (2) clogged **filter**

Ozone is a primary **filter** to protect Earth's surface from harmful UV rays.

barrier

n. a fence or other obstruction that makes it hard to move or get in; any condition that makes it difficult to make progress or to achieve an objective

synonym: border, barricade, fence

(1) cost **barrier**, (2) information **barrier**

The police placed a **barrier** across the street to halt traffic.

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.

vary

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

synonym: alter, contrast, differ

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

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

functional

adj. designed for or capable of a particular activity, purpose, or task; practical or ready for use or service

synonym : applicable, practical, usable

(1) field of **functional** medicine, (2) **functional** deafness

The mobile phone was still **functional** even after being dropped.

elasticity

n. the ability of a material to return to its original shape after being stretched or compressed; flexibility; adaptability to change

synonym : flexibility, pliability, suppleness

(1) **elasticity** coefficient, (2) skin **elasticity**

The **elasticity** of the rubber band allowed it to stretch without breaking.

split

v. to divide, or to make something divide into two or more parts, especially along a particular line

synonym : break, divide, break apart

(1) **split** a bill, (2) **split** a reward equally

Companies often **split** their shares to lower the stock price and encourage investors to buy.

represent

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

synonym : depict, express, describe

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

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

ford

n. a shallow place in a river or stream where it is possible to walk or drive across

synonym : crossing, traversing, passing

(1) **ford** a river, (2) across a **ford**

The river was too deep to cross, so we had to find a **ford** downstream where the water was shallower.

worldview

n. a particular philosophy or cognitive orientation of life or conception of the world

synonym: perspective, position, viewpoint

(1) mainstream **worldview**, (2) the **worldview** of the ancient civilization

The war between the two countries was also a battle between competing **worldviews**.

brain

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

synonym: intellect, mind, encephalon

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

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

analyze

v. to think about in-depth and evaluate to discover essential features or meaning

synonym: explore, examine, investigate

(1) **analyze** a chemical compound, (2) **analyze** your real motives

The teacher attempted to **analyze** the root cause of our mistake.

synthesis

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

synonym: combination, integration, compound

(1) **synthesis** of ammonia, (2) protein **synthesis** inhibitor

The chemical **synthesis** of the new drug was a breakthrough in medical research.

confluence

n. the point at which two or more streams or rivers come together; a gathering of people or things at a particular location or moment

synonym: merging, convergence, meeting

(1) arterial **confluence**, (2) **confluence** of ideas

A **confluence** of two smaller streams formed the river.

computation

n. the act or process of calculating something, especially an answer or amount, by using a machine or calculator

synonym: calculation, estimation, arithmetic

(1) parallel **computation**, (2) theory of **computation**

The researcher demonstrated the superiority of quantum **computation** in several mathematical tasks.

complexity

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

synonym: intricacy, sophistication, elaboration

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

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

additive

n. a substance added to something in small amounts, especially food, to improve or preserve it

synonym: preservative, supplement

(1) food **additive**, (2) deleterious chemical **additives**

The gasoline **additive** had leaked from the container.

carving

n. the act or process of cutting or shaping a hard material, such as wood or stone, into a specific form or design

synonym: sculpture, engraving, sculpture

(1) a wood **carving**, (2) **carving** instrument

The intricate **carving** on the wooden box was the work of a master craftsman.

engineer

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

synonym: architect, creator, builder

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

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

resolution

n. a firm decision or determination to do or not do something; the action of solving a problem, dispute, or conflict; the quality of being resolved or determined; the clarity and sharpness of an image or display

synonym : determination, decision, settlement

(1) **resolution** of a conflict, (2) display **resolution**

He made a New Year's **resolution** to exercise more and eat healthier.

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.

edit

v. to prepare written material for publication by correcting, condensing, or otherwise modifying it

synonym : revise, modify, adjust

(1) **edit** a history book, (2) **edit** a video

I need to **edit** this document before submitting it to my boss.

intersection

n. a point where two or more roads, lines, etc., cross each other

synonym : crossroad, junction, hub

(1) busy **intersection**, (2) the **intersection** of coordinate axes

Take a right turn at the next **intersection**.

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.

large-scale

adj. involving many people or things and involving a lot of change or activity

synonym : big, massive, grand

(1) **large-scale** project, (2) **large-scale** agriculture

The company is planning to make a **large-scale** expansion of its factory.

robotic

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

synonym: automated, mechanical, laborsaving

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

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

diameter

n. the length of a straight line passing through the center of a circle and connecting two points on the circumference

synonym: diam, width

(1) **diameter** of an oval, (2) a particle **diameter**

Draw a circle five centimeters in **diameter**.

nanoscale

adj. on a scale that can be measured in nanometres (= one billionth of a meter); on a very small scale

(1) **nanoscale** device, (2) things at the **nanoscale**

This process improves the strength of the metal by controlling the **nanoscale** lattice structure of the metal.

graphics

n. images, designs, or drawings used in websites, books, magazines, etc.

synonym: drawings, illustrations, pictures

(1) computer **graphics**, (2) **graphics** engine

My dream is to become a great **graphics** designer like her.

entirely

adv. completely

synonym: completely, fully, totally

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

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

genetically

adv. in a way that relates to or is produced by genes (= the units in the cells of a living thing received by an animal or plant from its parents) or heredity

synonym : hereditary, inherited, family-related

(1) **genetically** inherited traits, (2) **genetically** manipulated plant

The **genetically** modified crops were resistant to pests and required less water.

microorganism

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

synonym : germ, microbe, bacterium

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

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

glow

v. to give out a steady, strong light

synonym : shine, radiate, beam

(1) **glow** a pale orange, (2) **glow** gold in the light

The sun was setting, and the sky **glowed** with beautiful colors.

reimagine

v. to imagine or conceive of something in a new or different way

synonym : re-conceptualize, re-envision, re-create

(1) **reimagine** the future, (2) **reimagine** the possibilities

The company is trying to **reimagine** its business model to stay competitive.

archetype

n. a very typical example of a certain person or thing; a recurrent symbol or motif in literature, art, or mythology that represents a universal pattern of human nature

synonym : prototype, model, paradigm

(1) **archetype** symbol, (2) feminine **archetype**

The hero's journey is a common **archetype** in many myths and stories.

ancient

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

synonym : archaic, age-old, obsolete

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

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

Arabic

n. the Semitic language of the Arab people, widely spoken throughout the Middle East and North Africa; of or relating to Arab peoples, culture, or language

(1) **Arabic** cuisine, (2) **Arabic** language

I'm studying **Arabic** calligraphy as part of my art class.

architecture

n. the art and science of designing and constructing buildings

synonym : design, structure, layout

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

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

aperture

n. an opening or hole, especially one that is narrow or slitlike

synonym : opening, hole, gap

(1) small- **aperture** telescope, (2) an automatic **aperture**

The camera's **aperture** controls how much light enters the lens.

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.

fashion

n. a style that is popular at a particular time or place; the state of being popular

synonym : style, manner, fad

(1) go out of **fashion**, (2) new **fashion** trends
That style is no longer in **fashion**.

iris *n.* the colored part of the eye that surrounds the pupil; a flower with showy petals, named for its resemblance to the eye's iris
synonym: pupil, diaphragm, aperture
(1) blue **iris**, (2) **iris** pattern
The **iris** of the eye contracts and expands to control the amount of light that enters.

stiff *adj.* not easily bent, flexible, or pliable; difficult to move or be maneuvered; difficult to relax; having a heavy or formal manner
synonym: rigid, inflexible, unbending
(1) **stiff** muscles, (2) **stiff** penalty
Her body felt **stiff** after sitting at her desk for hours without moving.

contour *n.* the outline of its shape or form; a line drawn on a map connecting points of equal height
synonym: outline, silhouette, shape
(1) the **contour** of the earth's surface, (2) **contour** lines
The **contour** of the Atlantic coast of America is very complicated.

flexible *adj.* able to change or be changed to suit new conditions or situations; able to bend easily
synonym: adaptable, elastic, pliable
(1) **flexible** schedules, (2) a **flexible** wire
You can be more **flexible** and creative in your approach.

waist *n.* the part of the human body between the ribs and hips or the corresponding part in other animals
synonym: midriff, torso, abdomen
(1) **waist** measurement, (2) a slim **waist**

She cinched her dress at the **waist** to accentuate her hourglass figure.

collaborate

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

synonym: cooperate, unite, get together

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

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

seam

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

synonym: stitch, seam, joint

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

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

helmet

n. a protective covering for the head, worn for safety or as part of a uniform or ceremonial dress

synonym: headgear, head protector, safety hat

(1) **helmet** size, (2) safety **helmet**

The worker survived the impact because they were wearing sturdy **helmets**.

combine

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

synonym: coalesce, cohere, blend

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

(2) **combine** augmented reality

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

scan

v. to examine something hastily, with the eyes or with a machine, to get information

synonym: look over, scrutinize, browse

(1) **scan** the face of the man, (2) **scan** a document into PDF

She stood on the podium and **scanned** an audience.

analytical

adj. relating to or using analysis (= the process of breaking down a complex system or concept into smaller, simpler parts to understand it better), or able to analyze

synonym : investigative, logical, cogent

(1) **analytical** approach, (2) **analytical** ability

He is **analytical** and can break down complex problems into manageable parts.

physiological

adj. relating to the normal functioning of living organisms and their organs and systems; concerning the physical or biochemical processes and activities that occur within the body

synonym : biological, organic, bodily

(1) **physiological** response, (2) **physiological** activity

The doctor explained the various **physiological** changes that occur during pregnancy.

makeup

n. colored substances used on someone's face to improve or change their appearance

synonym : maquillage, composition, cosmetic

(1) **makeup** artist, (2) take the **makeup** off her face

Her beauty resulted from a good night's sleep rather than **makeup**.

tissue

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

synonym : structure, texture, anatomy

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

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

acoustic

adj. relating to sound or the sense of hearing

synonym : aural, hearing, acoustical

(1) **acoustic** properties of a hall, (2) **acoustic** guitar

The ground acts as an **acoustic** barrier against outside sounds.

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.

absorb

v. to take in a fluid or other substance gradually

synonym : consume, soak, ingest

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

The sponge **absorbs** water well.

inspiration

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

synonym : motivation, drive, encouragement

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

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

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.

rigidity

n. the state or quality of being rigid or inflexible; the inability to adapt to change or new circumstances; the condition of being stiff or unyielding

synonym : stiffness, inflexibility, firmness

(1) mental **rigidity**, (2) legal **rigidity**

The **rigidity** of the school's dress code policy caused much controversy among the students and parents.

opacity

n. the quality or state of being opaque (= not allowing light to pass through); a lack of transparency or clarity in a person's behavior, motives, or communication

synonym : translucency, cloudiness, opaqueness

(1) light **opacity**, (2) **opacity** level

The **opacity** of the company's financial statements raised suspicions of fraud.

corresponding

adj. similar to, connected with, or accompanying something, especially in position or purpose

synonym: matching, equivalent, analogous

(1) find a **corresponding** lack, (2) the **corresponding** word in Spanish

The **corresponding** number on the dial was 3.

continuously

adv. without being interrupted or paused; repeatedly

synonym: constantly, frequently, always

(1) use one thing **continuously**, (2) **continuously** removed

The country's domestic coal consumption has been **continuously** declining for decades.

property

n. a thing or things that belong to someone

synonym: belongings, possessions, equity

(1) a man of **property**, (2) chemical **property**

He stood to inherit a million-dollar **property**.

religion

n. a deep conviction in a supernatural power that controls human destiny

synonym: faith, creed, belief

(1) **religion** sociology, (2) freedom of **religion**

Their **religion** strictly prohibits them from drinking or gambling.

Jewish

adj. of or relating to people whose traditional religion is Judaism

synonym: Judaic

(1) **Jewish** history, (2) **Jewish** culture

My friend is a **Jewish** woman who celebrates Hanukkah every year.

bible

n. the sacred writings of the Christian religions, consisting of the Old and New Testaments; a book regarded as authoritative in its field

synonym : authoritative book, holy book, doctrine

(1) a passage from the **Bible**, (2) believe **Bible** prophecy
Students have loved this textbook for many years as a biology **bible**.

stick

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

synonym : pierce, adhere, stay

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

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

define

v. to state or explain precisely the nature, scope, or meaning of something

synonym : characterize, depict, express

(1) **define** a word, (2) **define** my position

To advance this discussion, we must **define** "success" rigorously.

recount

v. to describe what happened or to narrate a story

synonym : narrate, tell, report

(1) **recount** the adventure, (2) **recount** a conversation with him

They **recount** events that have already occurred.

command

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

synonym : control, authority, leadership

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

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

bearing

n. the way in which one comports oneself; a posture or stance, especially one indicative of confidence or authority; the horizontal direction or position of a place, object, or person relative to another

synonym: demeanor, posture, manner

(1) a thrust **bearing**, (2) a military **bearing**

The pilot had to adjust the plane's **bearing** to stay on course.

differentiate

v. to recognize or establish as being distinct; to distinguish between things that are compared; to calculate a derivative

synonym: discern, distinguish, separate

(1) **differentiate** between fact and fiction, (2) **differentiate** a function

The teacher asked the students to **differentiate** between the two similar species of birds.

trunk

n. the main stem or body of a tree which its branches grow

synonym: body, chest, torso

(1) the **trunk** of the tree, (2) the **trunk** of the body

Destructive fungi thrive in moist environments, such as those seen in wounds on the **trunk**.

branch

n. a division of a tree or woody shrub that grows out from the trunk or a main stem; a division of some larger or more complex organization

synonym: limb, twig, bough

(1) **branch** office, (2) a **branch** pipe

The **branch** of the tree had fallen and blocked the road.

bark

n. the hard outer layer of a tree; a sound made by dogs or some other animals

synonym: skin, husk, crust

(1) trees with rough **bark**, (2) **bark** at the moon

He removed the **bark** from the tree.

stem

n. the central part of something from which other parts can develop or grow; the part of a word common to all its inflected variants; (verb) to grow out of, have roots in, or originate in

synonym: branch, limb, (verb) come from

(1) **stem** from a belief, (2) the **stem** of a matchstick

A rose has thorns on its **stem**.

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.

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.

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.

chitin

n. a tough, protective polysaccharide compound that forms the exoskeleton of arthropods and the cell walls of some fungi

synonym: exoskeleton material, insect shell

(1) **chitin** structure, (2) **chitin** synthesis

The lobster's **chitin-based** shell turns red when cooked due to heat-induced chemical changes.

shrimp

n. a small, freshwater or saltwater creature with a slender body and long legs

synonym : prawn, langoustine, scampi

(1) **shrimp** cocktail, (2) **shrimp** farming

The seafood restaurant had a variety of dishes featuring **shrimp**.

crab

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

synonym : crustacean, shellfish, crusty

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

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

scorpion

n. a small creature similar to an insect with a segmented body, a pair of pincers, and a long, thin tail that ends in a venomous sting

synonym : arachnid, stinger

(1) **scorpion** fish, (2) poisonous **scorpion**

The **scorpion's** venom can be lethal to humans.

butterfly

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

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

He enjoys collecting **butterfly** specimens.

bunch

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

synonym : group, assemblage, bundle

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

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

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.

grind

v. to reduce something to small particles or powder by crushing or rubbing it; to work hard over a long period of time

synonym: mill, crush, grate

(1) **grind** away at my work, (2) **grind** your teeth

She had to **grind** the coffee beans before making a fresh cup.

chitosan

n. a derivative of chitin (= a tough, protective polysaccharide compound), obtained by removing the acetyl groups from chitin, often used in various applications such as medicine, agriculture, and industry

synonym: biopolymer, dietary fiber, wound-healing agent

(1) **chitosan** supplement, (2) **chitosan** extraction

The **chitosan** nanoparticles are used for targeted drug delivery in cancer treatments.

chemical

adj. relating to or connected with chemistry;

synonym: chemic, synthetic

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

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

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.

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.

array

n. a large group or collection of things or people, especially one that is impressive or attractive

synonym: collection, display, batch

(1) a two-dimensional **array**, (2) an **array** of troops

The customer on the Internet has to choose one from a formidable **array** of products.

opaque

adj. not transparent; not allowing light to pass through; not permitting a clear view

synonym: impenetrable, obscure, cloudy

(1) **opaque** material, (2) **opaque** color

The curtains were made of **opaque** fabric that blocked out all light.

transparent

adj. easy to perceive, detect, or understand; (of a material or article) permitting light to pass through freely

synonym: translucent, evident, diaphanous

(1) a **transparent** lie, (2) **transparent** crystal

The focus of these initiatives is to make the financial system more **transparent**.

extrude

v. to force, push, or press out through a narrow opening or nozzle, often in a continuous fashion; to shape materials by squeezing them through a die or mold

synonym: squeeze, force, press out

(1) **extrude** rubber, (2) **extrude** metal

The artist used a pasta machine to **extrude** clay into intricate shapes.

nozzle

n. a tube or spout through which a liquid or gas is discharged, particularly one attached to a hose, pump, or spray gun

synonym: spout, sprayer, tube

(1) **nozzle** attachment, (2) fuel **nozzle**

The car wash **nozzle** sprayed a powerful stream of soapy water onto the vehicle.

recyclability

n. the degree to which a material or product can be reused or repurposed after it has served its original function, without requiring significant modifications or environmental harm

synonym : reusability, sustainability, renewability

(1) **recyclability** rate, (2) low **recyclability** problem

The **recyclability** of electronic devices is a significant challenge due to the complexity of their components.

naturally

adv. as might be expected; by natural manners

synonym : by nature, inherently, intrinsically

(1) **naturally** arising, (2) **naturally** regenerated forest

He was **naturally** gifted.

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.

byproduct

n. a secondary or incidental product produced in the manufacture or synthesis of something else

synonym : side effect, spinoff, outgrowth

(1) toxic **byproducts**, (2) **byproduct** of technology

The **byproduct** of the energy production process is a large amount of carbon dioxide emissions.

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.

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.

embedded

adj. fixed firmly into the surface of something

synonym: ingrained, implanted, inserted

(1) **embedded** systems, (2) LED- **embedded** glass

The **embedded** chip in my credit card allows me to make contactless payments.

bacteria

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

synonym: microorganism, microbe

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

Bacteria prevalent in hospitals are often resistant to antibiotics.

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.

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.

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**.

convert

v. to have a talk with someone; (adjective) reversed in order, relation, or action

synonym: alter, remake, transform

(1) **convert** fat into energy, (2) **convert** base 10 to base 16
I want to **convert** my sadness into strength.

seamless

adj. without spaces or breaks between one part and the next

synonym: smooth, continuous, unseamed

(1) enable **seamless** access, (2) **seamless** device connectivity

The service was **seamless**, and the food was quite delicious.

transition

n. the process or period of changing from one state or circumstance to another

synonym: change, growth, shift

(1) **transition** phase, (2) ensure a smooth **transition**

The nation's healthcare system is in **transition** at the moment.

beam

n. a long, sturdy piece of timber, metal, or other material used to support a structure or span a distance; a ray or stream of light emitted by a source

synonym: ray, ray of light, shaft of light

(1) **beam** of light, (2) a structural **beam** of a building

The sun's **beam** shone through the window and illuminated the room.

mesh

n. a material made of a network of wire, plastic, or thread
synonym : netting, weave, lattice

(1) a **mesh** fence, (2) the **mesh** of a basket

The **mesh** fabric was breathable and comfortable to wear.

life-form

n. a living organism, especially one that has a distinct shape, structure, or behavior

synonym : organism, species, living organism

(1) **life-form** discovery, (2) a minute **life-form**

Scientists are searching for signs of **life-form** on other planets.

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.

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.

nourish

v. to provide a person, an animal, or plant with food to make them grow and stay healthy

synonym : feed, sustain, nurture

(1) **nourish** damaged skin, (2) **nourish** hope

The mother used her breast milk to **nourish** the baby.

marine

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

synonym : sea-dwelling, maritime, aquatic

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

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

- 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.
- 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.
- sustain** *v.* to supply enough of what somebody or something needs to survive or exist; to accept as valid
synonym : maintain, nurture, support
(1) **sustain** a good relationship with him, (2) **sustain** a wellness lifestyle
She struggled to **sustain** the children's reading habits.
- interplanetary** *adj.* relating to or occurring between planets, particularly regarding space travel or communication
synonym : interstellar, planetary, celestial
(1) **interplanetary** debris, (2) **interplanetary** exploration
Scientists are working on developing **interplanetary** travel to explore other planets in our solar system.
- 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.
- augment** *v.* to increase the size, extent, quantity, etc. of something by adding something to it
synonym : boost, increase, expand

(1) **augment** the reality, (2) **augment** immunity
Economic factors and monetary policy **augmented** inflation.

liquid

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

synonym: fluid

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

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

alchemy

n. a medieval chemical philosophy and speculative theory that aimed to transform base metals into gold or produce a universal elixir that could cure all diseases and grant immortality; a process of transformation or creation that appears magical or mysterious

synonym: sorcery, magic, transmutation

(1) **alchemy** experiment, (2) **alchemy** of emotions

Today, the study of **alchemy** remains an important part of the history of science and philosophy

transmute

v. to change or convert from one form or substance to another, often in a transformative or profound way

synonym: transform, convert, change

(1) **transmute** energy, (2) **transmute** struggle into growth

Some alchemists believed in the ability to **transmute** base metals into gold.

precious

adj. uncommon and extremely valuable

synonym: adored, cherished, valued

(1) price of **precious** metals, (2) **precious** information

We cannot afford to squander **precious** time.

synthesize

v. to combine a substance to make a more complex product or compound

synonym: incorporate, amalgamate

(1) **synthesize** molecules, (2) **synthesize** information

The spider can **synthesize** multiple different silk proteins.

fluid

n. a substance that can flow and is not solid

synonym: liquid, aqua, sap

(1) plenty of **fluids**, (2) **fluid** assets

She was diagnosed with a **fluid** buildup in her lungs.

cyanobacteria

n. a group of photosynthetic bacteria that possess chlorophyll and blue pigments and are characteristically found in aquatic environments; also known as blue-green algae

synonym: blue-green algae, blue-green bacteria, pond scum

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

The toxic algae bloom in the lake was caused by an overgrowth of **cyanobacteria**.

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.

pond

n. a small, shallow lake

synonym: lake, pool, basin

(1) a garden **pond**, (2) **pond** water

The freshwater **pond** was home to many different types of fish and was a popular spot for fishing.

coli

n. a bacterium of the genus *Escherichia* that is commonly found in the human gut and is used as a model organism in molecular biology and biochemistry

(1) *E. coli* bacteria strain, (2) **coli** cells

The study of *Escherichia coli* has led to important advancements in areas such as antibiotic resistance, gut microbiome, and synthetic biology.

inhabit

v. to live in a specific location; to reside

synonym: settle, occupy, populate

(1) **inhabit** a cave, (2) **inhabit** the stomach

I have no idea what sort of folks **inhabit** the neighborhood.

gut

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

synonym: belly, abdomen, courage

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

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

consume

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

synonym: absorb, ingest, use up

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

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

biofuel

n. a fuel produced from organic matter, such as crops or waste material, that can be used to replace or supplement traditional fossil fuels

synonym: renewable energy, green fuel, alternative fuel

(1) **biofuel** production, (2) **biofuel** technology

The airplane was powered by a **biofuel** made from plant-based materials.

interact

v. to communicate or react with somebody

synonym: cooperate, combine, collaborate

(1) **interact** directly with customers, (2) **interact** with one another

He should **interact** more with his colleagues.

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.

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.

resemble

v. to look like or be similar to someone or something
synonym: look like, be similar to

(1) **resemble** each other, (2) **resemble** her mother

The brothers **resemble** each other in the hobby.

digestive

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

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

A nutritious diet improves **digestive** functions.

tract

n. a region of land, often with a specific purpose or use, such as farming, forestry, or mining; a bundle of nerves or a system of organs in the body

synonym: region, area, tube

(1) a urinary **tract** infection, (2) a **tract** of virgin forest

The farmer owns a large **tract** of land where he grows corn and soybeans.

desire

n. a strong feeling of wanting to have or do something
synonym: ambition, appetite, greed

(1) unsatisfied **desire**, (2) fleshly **desire**

Low sexual **desire** typically correlates with low testosterone levels.

stretch

v. to make or be capable of making anything longer or broader without hurting or breaking

synonym: lengthen, prolong, extend

(1) **stretch** along the coast, (2) **stretch** a story

Some herds have been observed to **stretch** hundreds of kilometers.

span

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

synonym : interval, period, length

(1) the **span** of a bird's wings, (2) the average life **span**
He slightly modified the **span** of training because it was just before a match.

intestine

n. a long, tube-like organ in the digestive system that is responsible for absorbing nutrients from food and eliminating waste products

synonym : gut, bowel, tract

(1) large **intestine**, (2) **intestine** wall

The small **intestine** is responsible for absorbing most of the nutrients from food.

unveil

v. to reveal or make something publicly known, especially for the first time

synonym : reveal, uncover, expose

(1) **unveil** a monument, (2) **unveil** a comprehensive plan
The company plans to **unveil** its new product at the trade show next week.

glowing

adj. highly enthusiastic; greatly praised

synonym : burning, bright, flaming

(1) **glowing** reviews, (2) **glowing** cheeks

The western sky was **glowing** pink.

creature

n. a living being, especially an animal

synonym : being, animal, organism

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

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

microbiome

n. the community of microorganisms (= living things too small to be seen) that can usually be found living together in any given environment or the human body

synonym : flora

(1) skin **microbiome**, (2) have a diverse **microbiome**

The gut **microbiome** is a major producer of serotonin, which is necessary for human mental stability.

dam

n. a wall constructed over a river to block the flow of water, mainly used to generate energy

synonym : barricade, barrier, embankment

(1) **dam-building** program, (2) **dam** collapsing

The break in the **dam** threatened the valley.

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.

speculate

v. to form a theory or conjecture or guess about a subject without solid evidence

synonym : assume, conjecture, infer

(1) **speculate** about the reason, (2) **speculate** on the outcome

He **speculated** that this investment would lead to success.

insight

n. the ability to gain an accurate and deep understanding of people or situations; an accurate and deep understanding of what something is like

synonym : wisdom, discernment, understanding

(1) a profound **insight**, (2) share my **insights**

We gained various **insights** by analyzing the vast amount of data owned by the company.

mystery

n. something difficult to understand or explain; a secret or enigmatic quality that adds to the fascination or interest of something; a genre of fiction that involves the solution of a crime or a puzzle

synonym : enigma, puzzle, secret

(1) **mystery** novel, (2) unsolved **mystery**

The **mystery** surrounding the disappearance of the traveler has yet to be solved by authorities.

symbiosis

n. a close, prolonged association between two or more different species of organisms, typically to the advantage of all

synonym: cooperation, interdependence, mutualism

(1) industrial **symbiosis**, (2) **symbiosis** establishment

The **symbiosis** between the coral and the algae is an important example of mutualism.

ecology

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

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

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

sophistication

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

synonym: refinement, culture, elegance

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

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

silkworm

n. the larva of a moth of the Bombyx genus that spins a cocoon of silk to encase itself while it transforms into a pupa; the silk fibers can be harvested and used to make fabric, such as silk

synonym: silk spinner

(1) **silkworm** larvae, (2) **silkworm** breeding

The **silkworm's** cocoon contains the silk fibers used to make luxurious fabrics.

cocoon

n. a protective covering spun by some insects and other invertebrates

synonym : chrysalis, pupa, case

(1) **cocoon** silk, (2) a dried **cocoon**

The caterpillar spins a **cocoon** around itself before turning into a butterfly.

sophisticated

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

synonym : refined, cultured, worldly

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

Marketing strategies are growing more **sophisticated**.

metamorphosis

n. a profound or dramatic change in form, structure, or condition; a transformation; the process by which an animal or insect undergoes a physical transformation, such as growth, development, or maturation

synonym : transformation, change, evolution

(1) **metamorphosis** process, (2) undergo a **metamorphosis**

The butterfly's **metamorphosis** from a caterpillar to a winged creature is a wonder of nature.

protein

n. a molecule made up of a long chain of amino acids, which is essential for the structure and function of the body's tissues

(1) stress **protein**, (2) **protein** synthesis

The body needs a certain amount of **protein** to build and repair tissues.

glue

n. a sticky substance used for joining things together; a bonding agent made from animal or synthetic materials

synonym : adhesive, paste, gum

(1) **glue** stick, (2) epoxy **glue**

The carpenter applied **glue** to the cabinet joints before nailing them together.

matrix

n. a rectangular array of numbers, symbols, or expressions, arranged in rows and columns and often

enclosed in brackets; an enclosure within which something originates or develops

synonym : grid, cast, table

(1) the **matrix** of Western civilization, (2) **matrix** multiplication

The **matrix** of numbers on the spreadsheet allowed the accountant to track the company's profits and losses easily.

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.

attache

n. a person who works at an embassy, usually having a specialized area of responsibility; a shallow and rectangular briefcase

synonym : diplomat, envoy, briefcase

(1) a commercial **attache**, (2) black **attache** case

A prime minister talked with a military **attache** of the country's embassy.

tensile

adj. relating to the ability of a material or structure to stretch or bend without breaking or losing its shape; having great strength or flexibility under tension

synonym : flexible, pliable, ductile

(1) **tensile** deformation, (2) **tensile** properties

The engineer tested the **tensile** strength of the metal to determine its durability.

spinning

n. the act of rotating rapidly around an axis; in the context of textiles, the process of twisting fibers together to form thread or yarn

synonym : whirling, rotating, spinning wheel

(1) **spinning** machine, (2) **spinning** wheel

She took a **spinning** class at the gym to improve her

cardiovascular fitness.

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.

tension

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

synonym: stress, strain, anxiety

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

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

compression

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

synonym: condensation, squeezing, pressing

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

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

manifest

v. to show something such as feeling, attitude, quality, etc. clearly through signs or actions

synonym: exhibit, make plain, demonstrate

(1) **manifest** as the word, (2) **manifest** displeasure

The Prime Minister **manifested** his regret for his neighbors

magnet

n. an object or substance that can attract certain materials, such as iron or steel

synonym: magnetite, lodestone, attracting substance

(1) **magnet** attraction, (2) permanent **magnet**

The MRI machine uses **magnets** to produce images of the body's internal organs.

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.

magnetic

adj. having the properties of attracting or repelling certain materials containing iron or steel

synonym : attractive, drawing, hypnotic

(1) **magnetic** field, (2) a **magnetic** tape

The **magnetic** force of the earth keeps our planet spinning.

visualize

v. to form a mental image or concept of something; to make something visible

synonym : imagine, picture, envision

(1) **visualize** data, (2) **visualize** flying through space

She tried to **visualize** the layout of the new house in her mind.

patch

n. a small piece of material or fabric used to repair or reinforce a tear, hole, or damaged area; a small plot of land used for cultivation or a specific purpose

synonym : mend, repair, fix

(1) **patch** of grass, (2) software **patch**

I need to sew a **patch** onto my jeans that ripped.

scaffold

n. a temporary platform or structure used to support workers and materials during construction or maintenance work

synonym : platform, staging, framework

(1) **scaffold** construction, (2) go to the **scaffold**

The construction workers set up the **scaffold** to reach the top of the building.

discovery

n. the act or process of finding information, a place, or an object, or learning about something that was previously

not known

synonym: finding, uncovering, detection

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

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

composition

n. the different parts of something's elements or ingredients; the way in which the different components are organized; a piece of music written by someone

synonym: creating, formatting, arrangement

(1) age **composition** of the population, (2) the piano passages in the **composition**

Their innovative concepts were consistent across their bodies of **composition**.

unravel

v. undo twisted, knitted, or woven threads by separating it

synonym: separate, unknot, ravel

(1) **unravel** a knit, (2) **unravel** a plot

Detectives are still attempting to **unravel** the mystery of his death.

textile

n. any type of cloth made by weaving or felting or knitting

synonym: cloth, material, fabric

(1) **textile** production, (2) tissue **textiles**

China's **textile** industry has developed rapidly with the input of foreign capital.

industrious

adj. hardworking, diligent, and persistent in effort

synonym: diligent, hardworking, assiduous

(1) **industrious** worker, (2) **industrious** student

He was known to be very **industrious** and would often work late into the night.

template

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

synonym : pattern, model, blueprint

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

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

architectural

adj. of or relating to the design and construction of buildings and other structures and the features and style of such structures

synonym : structural, building, constructive

(1) study **architectural** engineering, (2) beautiful **architectural** landmarks

The **architectural** style of the building was a mix of modern and traditional.

migrate

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

synonym : relocate, emigrate, roam

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

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

diagram

n. a simplified illustration of the appearance, structure, or workings of something

synonym : chart, figure, graph

(1) 3D **diagram**, (2) in a **diagram**

He is drawing a **diagram** illustrating how the equipment operates.

rev

n. a measure of the rate at which an engine or motor rotates, often expressed in revolutions per minute (RPM); (verb) to increase the number of rotations per minute

synonym : revolution, RPM, speed

(1) low- **rev** engine, (2) **rev** up the crowd

He stepped on the gas pedal, and the engine released a loud **rev**.

distribute

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

synonym : broadcast, disperse, hand out

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

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

ray

n. a narrow line of light, heat, or another form of energy

synonym : beam, light, glimmer

(1) opaque to X- **rays**, (2) effect of cosmic **rays**

Gamma **rays** penetrate body tissues and cause cell damage.

caterpillar

n. the wormlike larva of a butterfly or moth

synonym : larva, grub, worm

(1) **caterpillar** of a butterfly, (2) **caterpillar** in a cocoon

The wooly bear **caterpillar** munched on leaves all day.

rim

n. the edge of something in the shape of a more or less circular object

synonym : boundary, lip, edge

(1) **rim** of the ear, (2) crater **rim**

The water level was even with the basin's **rim**.

pupa

n. the intermediate stage in the development of an insect between the larva and the adult

synonym : chrysalis, cocoon, pupae

(1) **pupa** stage, (2) emerge from a **pupa**

The **pupa** of the moth was hidden deep inside the cocoon.

integrity

n. the quality of being honest and having strong moral principles; the state of being whole and undivided

synonym : honesty, honor, morality

(1) a person of **integrity**, (2) **integrity** of data

The company's reputation for honesty and **integrity** is highly valued among its customers.

pavilion

n. a large, often ornate tent or booth, often used for entertainment or public events; a building or structure,

often in a park or other public space, used for meetings, exhibitions, or social gatherings

synonym : gazebo, kiosk, pagoda

(1) garden **pavilion**, (2) beach **pavilion**

The outdoor wedding reception was held in a beautiful **pavilion** overlooking the lake.

symmetry

n. balance or proportion in design or structure, with elements arranged evenly on either side of an axis

synonym : balance, proportion, harmoniousness

(1) bilateral **symmetry**, (2) axial **symmetry**

The building had a **symmetry** pattern that was pleasing to the eye.

moth

n. an insect with wings similar to a butterfly that travels at night and is attracted to light

(1) **moth** larva, (2) **moth** attracted to the light

The **moth** is a serious threat to the farm's output.

hatch

v. to cause an egg to break to allow a young animal to come out; to produce and expand something that is in an early stage

synonym : incubate, breed, produce

(1) **hatch** a plan, (2) **hatch** a baby chick

The eggs began to **hatch**, and the small chicks emerged.

addition

n. the act or process of adding something to something else; the process of adding numbers

synonym : accumulation, expansion, addendum

(1) chemical **addition**, (2) **addition** of vectors

In **addition**, private corporations provide healthcare services.

gap

n. a conspicuous disparity or difference separates something such as a figure, people, their opinions, situation, etc.

synonym : opening, lacuna, spread

(1) the **gap** between ideal and reality, (2) distance **gap**
Many people are working together to close the gender **gap**.

frontier

n. a border that separates two countries, or the area near this line

synonym: border, boundary, borderland

(1) **frontier** disputes, (2) the Italian **frontier** with Switzerland
He worked at the **frontier** of behavioral economics.

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.

Session 2: Spelling

- | | |
|---|--|
| 1. an ab____nt supply of water | <i>adj.</i> present in great quantity |
| 2. sp____ng wheel | <i>n.</i> the act of rotating rapidly around an axis; in the context of textiles, the process of twisting fibers together to form thread or yarn |
| 3. com____ty theory | <i>n.</i> the state or quality of being complicated or intricate and difficult to understand |
| 4. marine cya____ria | <i>n.</i> a group of photosynthetic bacteria that possess chlorophyll and blue pigments and are characteristically found in aquatic environments; also known as blue-green algae |
| 5. the wo____ew of the ancient civilization | <i>n.</i> a particular philosophy or cognitive orientation of life or conception of the world |
| 6. di____te variable | <i>adj.</i> separate and distinct; not continuous; individually distinguishable |
| 7. undergo a met____sis | <i>n.</i> a profound or dramatic change in form, structure, or condition; a transformation; the process by which an animal or insect undergoes a physical transformation, such as growth, development, or maturation |
| 8. au____t immunity | <i>v.</i> to increase the size, extent, quantity, etc. of something by adding something to it |

ANSWERS: 1. abundant, 2. spinning, 3. complexity, 4. cyanobacteria, 5. worldview, 6. discrete, 7. metamorphosis, 8. augment

9. gen_____ly inherited traits *adv.* in a way that relates to or is produced by genes (= the units in the cells of a living thing received by an animal or plant from its parents) or heredity
10. bi_____l technology *n.* a fuel produced from organic matter, such as crops or waste material, that can be used to replace or supplement traditional fossil fuels
11. f__d a river *n.* a shallow place in a river or stream where it is possible to walk or drive across
12. st_____h along the coast *v.* to make or be capable of making anything longer or broader without hurting or breaking
13. ensure a smooth tra_____on *n.* the process or period of changing from one state or circumstance to another
14. mental ri_____ty *n.* the state or quality of being rigid or inflexible; the inability to adapt to change or new circumstances; the condition of being stiff or unyielding
15. te_____e production *n.* any type of cloth made by weaving or felting or knitting
16. im_____e harsher sanctions *v.* to officially force a new law, tax, duty, etc. to be obeyed or received
17. te_____e deformation *adj.* relating to the ability of a material or structure to stretch or bend without breaking or losing its shape; having great strength or flexibility under tension
18. low rec_____ity problem *n.* the degree to which a material or product can be reused or repurposed after it has served its original function, without requiring significant modifications or environmental harm

ANSWERS: 9. genetically, 10. biofuel, 11. ford, 12. stretch, 13. transition, 14. rigidity, 15. textile, 16. impose, 17. tensile, 18. recyclability

19. bi_____l production *n.* a fuel produced from organic matter, such as crops or waste material, that can be used to replace or supplement traditional fossil fuels
20. a bu__h of trees *n.* a grouping of several similar things which are growing or fastened together
21. the great di_____ry of the century *n.* the act or process of finding information, a place, or an object, or learning about something that was previously not known
22. or_____c soils *adj.* of or derived from biological substance; producing plants and animals for food and other items without the use of synthetic chemicals
23. lar_____le agriculture *adj.* involving many people or things and involving a lot of change or activity
24. basic br__n function *n.* the organ inside the head that is responsible for one's movement, thought, memory, and feeling
25. di_____er of an oval *n.* the length of a straight line passing through the center of a circle and connecting two points on the circumference
26. sp_____te about the reason *v.* to form a theory or conjecture or guess about a subject without solid evidence
27. hom_____us society *adj.* consisting of or composed of parts that are similar or identical in nature, kind, or character; uniform in structure or composition

ANSWERS: 19. biofuel, 20. bunch, 21. discovery, 22. organic, 23. large-scale, 24. brain, 25. diameter, 26. speculate, 27. homogeneous

28. hom_____us culture *adj.* consisting of or composed of parts that are similar or identical in nature, kind, or character; uniform in structure or composition
29. display res_____on *n.* a firm decision or determination to do or not do something; the action of solving a problem, dispute, or conflict; the quality of being resolved or determined; the clarity and sharpness of an image or display
30. con_____ce of ideas *n.* the point at which two or more streams or rivers come together; a gathering of people or things at a particular location or moment
31. s__k fabric *n.* a fine, strong, soft, lustrous fiber produced by silkworms in making cocoons and collected to make thread and fabric
32. tr_____rm heat into power *v.* to change in outward structure or looks;
33. the m__h of a basket *n.* a material made of a network of wire, plastic, or thread
34. in_____e a feeling of curiosity *v.* to make somebody fill with the desire, confidence, or enthusiasm, especially to do something creative
35. bu_____ly effect *n.* a diurnal insect typically has a slender body with knobbed antennae and broad, colorful wings
36. a gr_____l process *adj.* happening slowly over a long period of time or distance; not steep or abrupt

ANSWERS: 28. homogeneous, 29. resolution, 30. confluence, 31. silk, 32. transform, 33. mesh, 34. inspire, 35. butterfly, 36. gradual

37. an op_____ne remark *adj.* suitable or happening at a time that is suitable or convenient for a particular purpose
38. Ar____c language *n.* the Semitic language of the Arab people, widely spoken throughout the Middle East and North Africa; of or relating to Arab peoples, culture, or language
39. LED-em_____ed glass *adj.* fixed firmly into the surface of something
40. al_____y experiment *n.* a medieval chemical philosophy and speculative theory that aimed to transform base metals into gold or produce a universal elixir that could cure all diseases and grant immortality; a process of transformation or creation that appears magical or mysterious
41. in_____ct with one another *v.* to communicate or react with somebody
42. re_____nt by a diagram *v.* to speak, act, or be present on behalf of another person or group; to form or constitute
43. unintended con_____ces *n.* the outcome of a particular action or event, especially relative to an individual
44. 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

ANSWERS: 37. opportune, 38. Arabic, 39. embedded, 40. alchemy, 41. interact, 42. represent, 43. consequence, 44. function

45. bioplastic designed to bio_____de *v.* to decay naturally by microorganisms, such as bacteria and fungi
46. arc_____ure design *n.* the art and science of designing and constructing buildings
47. the cor_____ing word in Spanish *adj.* similar to, connected with, or accompanying something, especially in position or purpose
48. a garden p__d *n.* a small, shallow lake
49. opaque to X-r_ys *n.* a narrow line of light, heat, or another form of energy
50. chemical ad_____on *n.* the act or process of adding something to something else; the process of adding numbers
51. ha__h a baby chick *v.* to cause an egg to break to allow a young animal to come out; to produce and expand something that is in an early stage
52. in_____ty of data *n.* the quality of being honest and having strong moral principles; the state of being whole and undivided
53. clogged fi____r *n.* any of several types of equipment or systems used to separate particles from liquids or gases or to remove specific forms of light
54. synthetic fi__r *n.* thread or filament used to make a vegetable tissue, mineral material, or textile
55. gr_____cs engine *n.* images, designs, or drawings used in websites, books, magazines, etc.

ANSWERS: 45. biodegrade, 46. architecture, 47. corresponding, 48. pond, 49. ray, 50. addition, 51. hatch, 52. integrity, 53. filter, 54. fiber, 55. graphics

56. find a cor_____ing lack *adj.* similar to, connected with, or accompanying something, especially in position or purpose
57. re_____ne the future *v.* to imagine or conceive of something in a new or different way
58. do_____te over the weak *v.* to have or control a lot of power and influence over somebody or something
59. op_____ne occasion *adj.* suitable or happening at a time that is suitable or convenient for a particular purpose
60. bio_____de by the microorganism *v.* to decay naturally by microorganisms, such as bacteria and fungi
61. an_____e your real motives *v.* to think about in-depth and evaluate to discover essential features or meaning
62. toxic ch_____als *adj.* relating to or connected with chemistry;
63. toxic by_____cts *n.* a secondary or incidental product produced in the manufacture or synthesis of something else
64. su_____n a wellness lifestyle *v.* to supply enough of what somebody or something needs to survive or exist; to accept as valid
65. im_____ry number *adj.* existing only in someone's mind
66. the tr__k of the tree *n.* the main stem or body of a tree which its branches grow
67. op_____y level *n.* the quality or state of being opaque (= not allowing light to pass through); a lack of transparency or clarity in a person's behavior, motives, or communication

ANSWERS: 56. corresponding, 57. reimagine, 58. dominate, 59. opportune, 60. biodegrade, 61. analyze, 62. chemical, 63. byproduct, 64. sustain, 65. imaginary, 66. trunk, 67. opacity

68. pr_____le of treatment
n. a fundamental law or truth that explains or controls how something happens or works
69. cell and molecular bi_____y
n. the scientific study of life and the natural processes of living things
70. an automatic ap_____re
n. an opening or hole, especially one that is narrow or slitlike
71. the s__n of a bird's wings
n. the entire length of something, such as time or space from beginning to end; the amount of space that something covers
72. he was en_____ly to blame
adv. completely
73. mi_____e across borders
v. to move from one country or region to another and settle there; to move from one place to another periodically or seasonally
74. parallel com_____on
n. the act or process of calculating something, especially an answer or amount, by using a machine or calculator
75. beginning of the ind_____al revolution
adj. of or relating to or resulting from industry
76. Je___h culture
adj. of or relating to people whose traditional religion is Judaism
77. s__k road
n. a fine, strong, soft, lustrous fiber produced by silkworms in making cocoons and collected to make thread and fabric

ANSWERS: 68. principle, 69. biology, 70. aperture, 71. span, 72. entirely, 73. migrate, 74. computation, 75. industrial, 76. Jewish, 77. silk

78. st____le to get the job *v.* to make a great effort to do something when it is difficult, or there are a lot of problems; to use force or violence to break away from restraint or constriction
79. c__b cakes *n.* a sea creature with two large claws and a flattened back (e.g., blue crab or king crab); a sour or grumpy person who is prone to complaining or criticizing
80. se____ss device connectivity *adj.* without spaces or breaks between one part and the next
81. absolutely op____d to abortion *adj.* being completely different from something or disagreeing strongly with something
82. im____e tariffs *v.* to officially force a new law, tax, duty, etc. to be obeyed or received
83. pr____le in business *n.* a fundamental law or truth that explains or controls how something happens or works
84. au____t the reality *v.* to increase the size, extent, quantity, etc. of something by adding something to it
85. al____y of emotions *n.* a medieval chemical philosophy and speculative theory that aimed to transform base metals into gold or produce a universal elixir that could cure all diseases and grant immortality; a process of transformation or creation that appears magical or mysterious
86. across a f__d *n.* a shallow place in a river or stream where it is possible to walk or drive across

ANSWERS: 78. struggle, 79. crab, 80. seamless, 81. opposed, 82. impose, 83. principle, 84. augment, 85. alchemy, 86. ford

87. r_m of the ear *n.* the edge of something in the shape of a more or less circular object
88. axial sy____ry *n.* balance or proportion in design or structure, with elements arranged evenly on either side of an axis
89. re____on between cause and effect *n.* the way two persons or groups of people feel and act toward one another
90. a di____ve enzyme *adj.* relating to or capable of causing or promoting digestion of food
91. vi____ze flying through space *v.* to form a mental image or concept of something; to make something visible
92. r_v up the crowd *n.* a measure of the rate at which an engine or motor rotates, often expressed in revolutions per minute (RPM); (verb) to increase the number of rotations per minute
93. human ev____on *n.* a gradual process of transformation of living things
94. 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
95. a tr__t of virgin forest *n.* a region of land, often with a specific purpose or use, such as farming, forestry, or mining; a bundle of nerves or a system of organs in the body

ANSWERS: 87. rim, 88. symmetry, 89. relation, 90. digestive, 91. visualize, 92. rev, 93. evolution, 94. function, 95. tract

96. un_____l a knit v. undo twisted, knitted, or woven threads by separating it
97. ma___e statues n. a hard crystalline metamorphic rock that has a pattern of lines going through it and takes a high polish used for sculpture and as building material; a small ball made of stone, especially one used in children's games
98. re_____t a conversation with him v. to describe what happened or to narrate a story
99. loss of muscle ti___e n. an ensemble of similar cells of the animal or plant that together carry out a specific function
100. a mollusk sh__l n. hard outer covering or case of eggs, nuts, some seeds, and some animals
101. op___e material adj. not transparent; not allowing light to pass through; not permitting a clear view
102. li_____rm discovery n. a living organism, especially one that has a distinct shape, structure, or behavior
103. st__k a key in a lock v. to put something, usually a sharp object, into something; to restrict yourself to doing or using one certain thing and not change; (noun) a thin piece of wood or other material
104. the piano passages in the
com_____on n. the different parts of something's elements or ingredients; the way in which the different components are organized; a piece of music written by someone

ANSWERS: 96. unravel, 97. marble, 98. recount, 99. tissue, 100. shell, 101. opaque, 102. life-form, 103. stick, 104. composition

105. classic arc_____ure *n.* the art and science of designing and constructing buildings
106. data com_____on *n.* the act or process of pressing or squeezing something together, often using force or pressure; (of physics) the reduction of volume or increase in pressure of a gas or fluid
107. st_____le against discrimination *v.* to make a great effort to do something when it is difficult, or there are a lot of problems; to use force or violence to break away from restraint or constriction
108. a tra_____nt lie *adj.* easy to perceive, detect, or understand; (of a material or article) permitting light to pass through freely
109. landscape ar_____ct *n.* a person whose job is to design plans to be used in making something, such as buildings
110. a two-dimensional ar__y *n.* a large group or collection of things or people, especially one that is impressive or attractive
111. e__t a video *v.* to prepare written material for publication by correcting, condensing, or otherwise modifying it
112. ad_____on of vectors *n.* the act or process of adding something to something else; the process of adding numbers
113. variety of ma___e life *adj.* relating to the sea and the creatures and plants that live there
114. tra_____on phase *n.* the process or period of changing from one state or circumstance to another

ANSWERS: 105. architecture, 106. compression, 107. struggle, 108. transparent, 109. architect, 110. array, 111. edit, 112. addition, 113. marine, 114. transition

115. by_____ct of technology *n.* a secondary or incidental product produced in the manufacture or synthesis of something else
116. wa__t measurement *n.* the part of the human body between the ribs and hips or the corresponding part in other animals
117. cr_____re of habit *n.* a living being, especially an animal
118. im_____ry pregnancy *adj.* existing only in someone's mind
119. colorless li____d *n.* a substance, such as water or oil that flows freely and is neither a solid nor a gas
120. mic_____isms in his gut *n.* a very small living thing that may exist in its single-celled form or as a colony of cells and is too small to be seen without a microscope
121. fre_____er aquatic bird *adj.* living in, found in, or connecting with water that does not contain salt
122. live an ab_____nt life *adj.* present in great quantity
123. garden pa_____on *n.* a large, often ornate tent or booth, often used for entertainment or public events; a building or structure, often in a park or other public space, used for meetings, exhibitions, or social gatherings
124. linguistic sop_____ion *n.* the quality or state of having a great deal of worldly experience; the quality or state of being intellectually or culturally refined
125. lar_____le project *adj.* involving many people or things and involving a lot of change or activity

ANSWERS: 115. byproduct, 116. waist, 117. creature, 118. imaginary, 119. liquid, 120. microorganism, 121. freshwater, 122. abundant, 123. pavilion, 124. sophistication, 125. large-scale

126. fre_____er area *adj.* living in, found in, or connecting with water that does not contain salt
127. ac_____ic properties of a hall *adj.* relating to sound or the sense of hearing
128. ha__h a plan *v.* to cause an egg to break to allow a young animal to come out; to produce and expand something that is in an early stage
129. legal ri_____ty *n.* the state or quality of being rigid or inflexible; the inability to adapt to change or new circumstances; the condition of being stiff or unyielding
130. co_____n silk *n.* a protective covering spun by some insects and other invertebrates
131. biological po_____r *n.* a substance composed of macromolecules (= large groups of atoms) made from many smaller and simpler molecules
132. ma_____p artist *n.* colored substances used on someone's face to improve or change their appearance
133. he_____t size *n.* a protective covering for the head, worn for safety or as part of a uniform or ceremonial dress
134. te_____te design *n.* a pre-designed file or document used as a starting point for a particular application so that the format does not have to be created from scratch
135. go out of fa_____n *n.* a style that is popular at a particular time or place; the state of being popular

ANSWERS: 126. freshwater, 127. acoustic, 128. hatch, 129. rigidity, 130. cocoon, 131. polymer, 132. makeup, 133. helmet, 134. template, 135. fashion

136. di____e to the associate *v.* to state or give order with total authority; to say or read aloud for somebody else to write down or to be recorded
137. fa___l nerve *adj.* of or relating to a person's face
138. an____t stories *adj.* relating to the long ago, particularly the historical period preceding the fall of the Western Roman Empire; very old
139. the blind g_t *n.* the long tube in the body of a person or animal through which food passes when it leaves the stomach; the mental strength or bravery required to do something difficult or unpleasant
140. b__m of light *n.* a long, sturdy piece of timber, metal, or other material used to support a structure or span a distance; a ray or stream of light emitted by a source
141. a wood ca____g *n.* the act or process of cutting or shaping a hard material, such as wood or stone, into a specific form or design
142. int_____ary exploration *adj.* relating to or occurring between planets, particularly regarding space travel or communication
143. artificial cr____re *n.* a living being, especially an animal
144. v__y directly with the price *v.* to become different in terms of size, shape, etc.
145. sy____ic fertilizer *adj.* made by combining chemical substances as opposed to being naturally occurring

ANSWERS: 136. dictate, 137. facial, 138. ancient, 139. gut, 140. beam, 141. carving, 142. interplanetary, 143. creature, 144. vary, 145. synthetic

146. sy_____ic fiber *adj.* made by combining chemical substances as opposed to being naturally occurring
147. sc_____ld construction *n.* a temporary platform or structure used to support workers and materials during construction or maintenance work
148. cost ba_____r *n.* a fence or other obstruction that makes it hard to move or get in; any condition that makes it difficult to make progress or to achieve an objective
149. con_____sly removed *adv.* without being interrupted or paused; repeatedly
150. co_____e chemically with another substance *v.* to join or merge to form a single thing or group
151. an_____e a chemical compound *v.* to think about in-depth and evaluate to discover essential features or meaning
152. a commercial at_____e *n.* a person who works at an embassy, usually having a specialized area of responsibility; a shallow and rectangular briefcase
153. su_____n a good relationship with him *v.* to supply enough of what somebody or something needs to survive or exist; to accept as valid
154. 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
155. beach pa_____on *n.* a large, often ornate tent or booth, often used for entertainment or public events; a building or structure, often in a park or other public space, used for meetings, exhibitions, or social gatherings

ANSWERS: 146. synthetic, 147. scaffold, 148. barrier, 149. continuously, 150. combine, 151. analyze, 152. attache, 153. sustain, 154. structure, 155. pavilion

156. na_____ly regenerated forest *adv.* as might be expected; by natural manners
157. pe_____ic payments *adj.* happening at regular intervals over a while
158. no_____h damaged skin *v.* to provide a person, an animal, or plant with food to make them grow and stay healthy
159. s__n a top *v.* to cause something to rotate rapidly; to cause someone to feel dizzy or disoriented
160. te_____n headache *n.* a state of mental or emotional strain or excitement; the state of being stretched tight
161. software pa__h *n.* a small piece of material or fabric used to repair or reinforce a tear, hole, or damaged area; a small plot of land used for cultivation or a specific purpose
162. 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
163. poisonous sc_____on *n.* a small creature similar to an insect with a segmented body, a pair of pincers, and a long, thin tail that ends in a venomous sting
164. syn_____ze information *v.* to combine a substance to make a more complex product or compound
165. his research area of
con_____ion *n.* the ability to focus all your time and energy on one thing without thinking about anything else.

ANSWERS: 156. naturally, 157. periodic, 158. nourish, 159. spin, 160. tension, 161. patch, 162. atmosphere, 163. scorpion, 164. synthesize, 165. concentration

166. my_____y novel *n.* something difficult to understand or explain; a secret or enigmatic quality that adds to the fascination or interest of something; a genre of fiction that involves the solution of a crime or a puzzle
167. science of ec_____y *n.* the study of the relationships between living organisms, including humans, and their physical environment
168. ind_____us student *adj.* hardworking, diligent, and persistent in effort
169. ma_____st as the word *v.* to show something such as feeling, attitude, quality, etc. clearly through signs or actions
170. a sop_____ted lifestyle *adj.* having a great deal of worldly experience and knowledge of people's behavior, culture, and fashion
171. permanent br__n damage *n.* the organ inside the head that is responsible for one's movement, thought, memory, and feeling
172. fr_____er disputes *n.* a border that separates two countries, or the area near this line
173. a particle di_____er *n.* the length of a straight line passing through the center of a circle and connecting two points on the circumference
174. the con_____ce of an argument *n.* the outcome of a particular action or event, especially relative to an individual

ANSWERS: 166. mystery, 167. ecology, 168. industrious, 169. manifest, 170. sophisticated, 171. brain, 172. frontier, 173. diameter, 174. consequence

175. ind_____al alcohol *adj.* of or relating to or resulting from industry
176. gas fi____r *n.* any of several types of equipment or systems used to separate particles from liquids or gases or to remove specific forms of light
177. co_____t base 10 to base 16 *v.* to have a talk with someone; (adjective) reversed in order, relation, or action
178. phy_____cal response *adj.* relating to the normal functioning of living organisms and their organs and systems; concerning the physical or biochemical processes and activities that occur within the body
179. pr_____us information *adj.* uncommon and extremely valuable
180. co_____r lines *n.* the outline of its shape or form; a line drawn on a map connecting points of equal height
181. res_____on of a conflict *n.* a firm decision or determination to do or not do something; the action of solving a problem, dispute, or conflict; the quality of being resolved or determined; the clarity and sharpness of an image or display
182. epoxy g__e *n.* a sticky substance used for joining things together; a bonding agent made from animal or synthetic materials
183. a profound in_____t *n.* the ability to gain an accurate and deep understanding of people or situations; an accurate and deep understanding of what something is like

ANSWERS: 175. industrial, 176. filter, 177. convert, 178. physiological, 179. precious, 180. contour, 181. resolution, 182. glue, 183. insight

184. ca_____e customers' hearts *v.* to catch a person or an animal and confine them in an area which they cannot escape
185. re_____on of inclusion *n.* the way two persons or groups of people feel and act toward one another
186. con_____ion of armaments *n.* the ability to focus all your time and energy on one thing without thinking about anything else.
187. di_____e a letter to secretary *v.* to state or give order with total authority; to say or read aloud for somebody else to write down or to be recorded
188. the Italian fr_____er with Switzerland *n.* a border that separates two countries, or the area near this line
189. evolutionary bi_____y *n.* the scientific study of life and the natural processes of living things
190. busy int_____ion *n.* a point where two or more roads, lines, etc., cross each other
191. gen_____ly manipulated plant *adv.* in a way that relates to or is produced by genes (= the units in the cells of a living thing received by an animal or plant from its parents) or heredity
192. protein sy_____is inhibitor *n.* the combination of components or elements to form a more complex whole; the creation of something new through combining parts or elements
193. a slim wa__t *n.* the part of the human body between the ribs and hips or the corresponding part in other animals
194. co_____d a battery *n.* authority, control, or mastery over something, often referring to military or leadership contexts; a directive, order, or instruction; expertise or confidence in a specific area; (verb) to give an authoritative order or instruction, or to be in charge or control of something

ANSWERS: 184. capture, 185. relation, 186. concentration, 187. dictate, 188. frontier, 189. biology, 190. intersection, 191. genetically, 192. synthesis, 193. waist, 194.

command

195. the ec____y of the island *n.* the study of the relationships between living organisms, including humans, and their physical environment
196. a minute li_____rm *n.* a living organism, especially one that has a distinct shape, structure, or behavior
197. source of ins_____on *n.* something that motivates or encourages someone to create or achieve something, or a feeling of excitement or creativity
198. 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
199. g__w gold in the light *v.* to give out a steady, strong light
200. ma___x multiplication *n.* a rectangular array of numbers, symbols, or expressions, arranged in rows and columns and often enclosed in brackets; an enclosure within which something originates or develops
201. a urinary tr__t infection *n.* a region of land, often with a specific purpose or use, such as farming, forestry, or mining; a bundle of nerves or a system of organs in the body
202. freedom of re_____on *n.* a deep conviction in a supernatural power that controls human destiny

ANSWERS: 195. ecology, 196. life-form, 197. inspiration, 198. process, 199. glow, 200. matrix, 201. tract, 202. religion

203. d_m collapsing *n.* a wall constructed over a river to block the flow of water, mainly used to generate energy
204. tr_____rm an education system *v.* to change in outward structure or looks;
205. gl_____g cheeks *adj.* highly enthusiastic; greatly praised
206. a political rev_____on *n.* a large-scale attempt to overthrow the government of a country, often using violence or war;
207. 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.
208. the ri__r of the law *n.* strictness or severity in opinion, temper, or judgment
209. g__e stick *n.* a sticky substance used for joining things together; a bonding agent made from animal or synthetic materials
210. a scientific di_____ry *n.* the act or process of finding information, a place, or an object, or learning about something that was previously not known
211. g__w a pale orange *v.* to give out a steady, strong light
212. co_____ss the chest *v.* to press or squeeze together to make something take up less space
213. unsolved my_____y *n.* something difficult to understand or explain; a secret or enigmatic quality that adds to the fascination or interest of something; a genre of fiction that involves the solution of a crime or a puzzle

ANSWERS: 203. dam, 204. transform, 205. glowing, 206. revolution, 207. photosynthesis, 208. rigor, 209. glue, 210. discovery, 211. glow, 212. compress, 213. mystery

214. ca____e a glimpse *v.* to catch a person or an animal and confine them in an area which they cannot escape
215. st__f penalty *adj.* not easily bent, flexible, or pliable; difficult to move or be maneuvered; difficult to relax; having a heavy or formal manner
216. a picture fr__e *n.* a strong border or structure of the wood, metal, etc. that surrounds something such as a picture, door, or window
217. di____ve juices *adj.* relating to or capable of causing or promoting digestion of food
218. re____ne the possibilities *v.* to imagine or conceive of something in a new or different way
219. cat____ar of a butterfly *n.* the wormlike larva of a butterfly or moth
220. the s__m on the shoulder *n.* a line of stitching or joining where two pieces of fabric or material are united; also, a narrow furrow or fissure in rock or soil
221. 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
222. str____al analyses *adj.* associated with the way on construction or organization of anything
223. no____h hope *v.* to provide a person, an animal, or plant with food to make them grow and stay healthy

ANSWERS: 214. capture, 215. stiff, 216. frame, 217. digestive, 218. reimagine, 219. caterpillar, 220. seam, 221. planet, 222. structural, 223. nourish

224. po____r fiber *n.* a substance composed of macromolecules (= large groups of atoms) made from many smaller and simpler molecules
225. hazardous li____d *n.* a substance, such as water or oil that flows freely and is neither a solid nor a gas
226. cultural sop_____ion *n.* the quality or state of having a great deal of worldly experience; the quality or state of being intellectually or culturally refined
227. a structural b__m of a building *n.* a long, sturdy piece of timber, metal, or other material used to support a structure or span a distance; a ray or stream of light emitted by a source
228. ela_____ty coefficient *n.* the ability of a material to return to its original shape after being stretched or compressed; flexibility; adaptability to change
229. a high-te_____n wire *n.* a state of mental or emotional strain or excitement; the state of being stretched tight
230. env_____nt affairs *n.* the natural world such as air, water, and land in which humans, animals, and plants live
231. trees with rough b__k *n.* the hard outer layer of a tree; a sound made by dogs or some other animals
232. a gr_____l change *adj.* happening slowly over a long period of time or distance; not steep or abrupt

ANSWERS: 224. polymer, 225. liquid, 226. sophistication, 227. beam, 228. elasticity, 229. tension, 230. environment, 231. bark, 232. gradual

233. cognitive com_____ty *n.* the state or quality of being complicated or intricate and difficult to understand
234. low-r_v engine *n.* a measure of the rate at which an engine or motor rotates, often expressed in revolutions per minute (RPM); (verb) to increase the number of rotations per minute
235. sp__t a reward equally *v.* to divide, or to make something divide into two or more parts, especially along a particular line
236. a t__n room *n.* either of two children born at the same time from the same mother
237. a ma_____ic tape *adj.* having the properties of attracting or repelling certain materials containing iron or steel
238. two op_____d characters *adj.* being completely different from something or disagreeing strongly with something
239. as_____ly hall *n.* a group of people who have been elected, especially one that meets regularly and makes decisions or laws for a specific region or country
240. a fl_____le wire *adj.* able to change or be changed to suit new conditions or situations; able to bend easily
241. ch_____an extraction *n.* a derivative of chitin (= a tough, protective polysaccharide compound), obtained by removing the acetyl groups from chitin, often used in various applications such as medicine, agriculture, and industry

ANSWERS: 233. complexity, 234. rev, 235. split, 236. twin, 237. magnetic, 238. opposed, 239. assembly, 240. flexible, 241. chitosan

242. str_____al reorganization *adj.* associated with the way on construction or organization of anything
243. get ins_____on from nature *n.* something that motivates or encourages someone to create or achieve something, or a feeling of excitement or creativity
244. in_____t the stomach *v.* to live in a specific location; to reside
245. age com_____on of the population *n.* the different parts of something's elements or ingredients; the way in which the different components are organized; a piece of music written by someone
246. fa____l expressions *adj.* of or relating to a person's face
247. ro_____c arm *adj.* of or relating to mechanical robots; (robotics) the interdisciplinary branch of computer science and engineering with the practical use of robots
248. fire st__k *v.* to put something, usually a sharp object, into something; to restrict yourself to doing or using one certain thing and not change; (noun) a thin piece of wood or other material
249. the g_p between ideal and reality *n.* a conspicuous disparity or difference separates something such as a figure, people, their opinions, situation, etc.
250. phy_____cal activity *adj.* relating to the normal functioning of living organisms and their organs and systems; concerning the physical or biochemical processes and activities that occur within the body

ANSWERS: 242. structural, 243. inspiration, 244. inhabit, 245. composition, 246. facial, 247. robotic, 248. stick, 249. gap, 250. physiological

251. the co_____r of the earth's surface *n.* the outline of its shape or form; a line drawn on a map connecting points of equal height
252. skin ela_____ty *n.* the ability of a material to return to its original shape after being stretched or compressed; flexibility; adaptability to change
253. 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
254. c__b legs *n.* a sea creature with two large claws and a flattened back (e.g., blue crab or king crab); a sour or grumpy person who is prone to complaining or criticizing
255. a bu__h of schoolgirls *n.* a grouping of several similar things which are growing or fastened together
256. a passage from the Bi__e *n.* the sacred writings of the Christian religions, consisting of the Old and New Testaments; a book regarded as authoritative in its field
257. mainstream wo_____ew *n.* a particular philosophy or cognitive orientation of life or conception of the world
258. co_____d and control *n.* authority, control, or mastery over something, often referring to military or leadership contexts; a directive, order, or instruction; expertise or confidence in a specific area; (verb) to give an authoritative order or instruction, or to be in charge or control of something

ANSWERS: 251. contour, 252. elasticity, 253. bubble, 254. crab, 255. bunch, 256. bible, 257. worldview, 258. command

259. s__m from a belief *n.* the central part of something from which other parts can develop or grow; the part of a word common to all its inflected variants; (verb) to grow out of, have roots in, or originate in
260. cya_____ria blooms *n.* a group of photosynthetic bacteria that possess chlorophyll and blue pigments and are characteristically found in aquatic environments; also known as blue-green algae
261. new fa_____n trends *n.* a style that is popular at a particular time or place; the state of being popular
262. ir_____ar verbs *adj.* not having an even or balanced shape or arrangement; contrary to the usual rule, accepted order, or what is expected
263. 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
264. pre-Christian an_____t *adj.* relating to the long ago, particularly the historical period preceding the fall of the Western Roman Empire; very old
265. ma_____st displeasure *v.* to show something such as feeling, attitude, quality, etc. clearly through signs or actions
266. ma___t attraction *n.* an object or substance that can attract certain materials, such as iron or steel
267. as_____ly line *n.* a group of people who have been elected, especially one that meets regularly and makes decisions or laws for a specific region or country

ANSWERS: 259. stem, 260. cyanobacteria, 261. fashion, 262. irregular, 263. planet, 264. ancient, 265. manifest, 266. magnet, 267. assembly

268. unsatisfied de___e *n.* a strong feeling of wanting to have or do something
269. believe Bi___e prophecy *n.* the sacred writings of the Christian religions, consisting of the Old and New Testaments; a book regarded as authoritative in its field
270. the fr___e of the policy *n.* a strong border or structure of the wood, metal, etc. that surrounds something such as a picture, door, or window
271. a dried co___n *n.* a protective covering spun by some insects and other invertebrates
272. col_____te on a press release *v.* to work with someone else to produce or achieve something
273. the int_____ion of coordinate axes *n.* a point where two or more roads, lines, etc., cross each other
274. de___e a word *v.* to state or explain precisely the nature, scope, or meaning of something
275. re_____le her mother *v.* to look like or be similar to someone or something
276. 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.
277. dif_____ate a function *v.* to recognize or establish as being distinct; to distinguish between things that are compared; to calculate a derivative

ANSWERS: 268. desire, 269. bible, 270. frame, 271. cocoon, 272. collaborate, 273. intersection, 274. define, 275. resemble, 276. photosynthesis, 277. differentiate

278. em____ed systems *adj.* fixed firmly into the surface of something
279. take the ma____p off her face *n.* colored substances used on someone's face to improve or change their appearance
280. fun_____al deafness *adj.* designed for or capable of a particular activity, purpose, or task; practical or ready for use or service
281. in a di____m *n.* a simplified illustration of the appearance, structure, or workings of something
282. co_____e a large of alcohol *v.* to spend something, especially fuel, energy, or time, in a large amount
283. man_____re an enzyme *v.* to make goods in large numbers, usually in a factory using machines
284. 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
285. gr__d your teeth *v.* to reduce something to small particles or powder by crushing or rubbing it; to work hard over a long period of time
286. br____h office *n.* a division of a tree or woody shrub that grows out from the trunk or a main stem; a division of some larger or more complex organization
287. beginning of the industrial
rev_____on *n.* a large-scale attempt to overthrow the government of a country, often using violence or war;

ANSWERS: 278. embedded, 279. makeup, 280. functional, 281. diagram, 282. consume, 283. manufacture, 284. steel, 285. grind, 286. branch, 287. revolution

288. di____ct difference *adj.* noticeable from something else of a similar type
289. go to the sc____ld *n.* a temporary platform or structure used to support workers and materials during construction or maintenance work
290. di____te metric space *adj.* separate and distinct; not continuous; individually distinguishable
291. s__n the face of the man *v.* to examine something hastily, with the eyes or with a machine, to get information
292. un____l a comprehensive plan *v.* to reveal or make something publicly known, especially for the first time
293. pos____ty for growth *n.* a chance that something may happen or be true
294. stress pr____n *n.* a molecule made up of a long chain of amino acids, which is essential for the structure and function of the body's tissues
295. pos____ty of a major earthquake *n.* a chance that something may happen or be true
296. 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
297. st__f muscles *adj.* not easily bent, flexible, or pliable; difficult to move or be maneuvered; difficult to relax; having a heavy or formal manner
298. sp__t a bill *v.* to divide, or to make something divide into two or more parts, especially along a particular line

ANSWERS: 288. distinct, 289. scaffold, 290. discrete, 291. scan, 292. unveil, 293. possibility, 294. protein, 295. possibility, 296. achieve, 297. stiff, 298. split

299. small-ap_____re telescope *n.* an opening or hole, especially one that is narrow or slitlike
300. ab____b a shock *v.* to take in a fluid or other substance gradually
301. e__t a history book *v.* to prepare written material for publication by correcting, condensing, or otherwise modifying it
302. s__n a document into PDF *v.* to examine something hastily, with the eyes or with a machine, to get information
303. sp_____ng machine *n.* the act of rotating rapidly around an axis; in the context of textiles, the process of twisting fibers together to form thread or yarn
304. ro_____c guide operation *adj.* of or relating to mechanical robots; (robotics) the interdisciplinary branch of computer science and engineering with the practical use of robots
305. di_____ct from each other *adj.* noticeable from something else of a similar type
306. un_____l a plot *v.* undo twisted, knitted, or woven threads by separating it
307. eat or_____c food *adj.* of or derived from biological substance; producing plants and animals for food and other items without the use of synthetic chemicals
308. fl__d assets *n.* a substance that can flow and is not solid
309. the s__m of a matchstick *n.* the central part of something from which other parts can develop or grow; the part of a word common to all its inflected variants; (verb) to grow out of, have roots in, or originate in

ANSWERS: 299. aperture, 300. absorb, 301. edit, 302. scan, 303. spinning, 304. robotic, 305. distinct, 306. unravel, 307. organic, 308. fluid, 309. stem

310. safety he___t *n.* a protective covering for the head, worn for safety or as part of a uniform or ceremonial dress
311. the pe___ic blooming of the cherry-blossom *adj.* happening at regular intervals over a while
312. a man of pr___ty *n.* a thing or things that belong to someone
313. pa__h of grass *n.* a small piece of material or fabric used to repair or reinforce a tear, hole, or damaged area; a small plot of land used for cultivation or a specific purpose
314. ev_____on theory *n.* a gradual process of transformation of living things
315. man_____re a product *v.* to make goods in large numbers, usually in a factory using machines
316. the characters that re_____nt numbers *v.* to speak, act, or be present on behalf of another person or group; to form or constitute
317. si_____rm breeding *n.* the larva of a moth of the Bombyx genus that spins a cocoon of silk to encase itself while it transforms into a pupa; the silk fibers can be harvested and used to make fabric, such as silk
318. ch___n synthesis *n.* a tough, protective polysaccharide compound that forms the exoskeleton of arthropods and the cell walls of some fungi
319. feminine ar_____pe *n.* a very typical example of a certain person or thing; a recurrent symbol or motif in literature, art, or mythology that represents a universal pattern of human nature

ANSWERS: 310. helmet, 311. periodic, 312. property, 313. patch, 314. evolution, 315. manufacture, 316. represent, 317. silkworm, 318. chitin, 319. archetype

320. in_____ct directly with customers *v.* to communicate or react with somebody
321. chemical pr_____ty *n.* a thing or things that belong to someone
322. co_____ss gas *v.* to press or squeeze together to make something take up less space
323. ex_____e rubber *v.* to force, push, or press out through a narrow opening or nozzle, often in a continuous fashion; to shape materials by squeezing them through a die or mold
324. pathogenic mic_____ism *n.* a very small living thing that may exist in its single-celled form or as a colony of cells and is too small to be seen without a microscope
325. light op_____y *n.* the quality or state of being opaque (= not allowing light to pass through); a lack of transparency or clarity in a person's behavior, motives, or communication
326. 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
327. ex_____e metal *v.* to force, push, or press out through a narrow opening or nozzle, often in a continuous fashion; to shape materials by squeezing them through a die or mold

ANSWERS: 320. interact, 321. property, 322. compress, 323. extrude, 324. microorganism, 325. opacity, 326. process, 327. extrude

328. p__a stage *n.* the intermediate stage in the development of an insect between the larva and the adult
329. the life cycle of a bu_____ly *n.* a diurnal insect typically has a slender body with knobbed antennae and broad, colorful wings
330. sop_____ted look *adj.* having a great deal of worldly experience and knowledge of people's behavior, culture, and fashion
331. th___d a catheter *n.* a fine cord of natural or synthetic fibers or filaments, such as cotton or nylon, used in sewing, knitting, or weaving; a series of connected messages or comments on a social media platform or online forum, often related to a particular topic; a sequence or line of events, ideas, or actions that are connected or related; (verb) to pass a thread through a needle or other small opening, in preparation for sewing or stitching
332. st____h a story *v.* to make or be capable of making anything longer or broader without hurting or breaking
333. ch___l some money *n.* a tool with a sharpened edge at one end used for shaping wood, stone, or metal; (verb) to engage in deceitful behavior
334. critical m__s *n.* a large amount of a substance with no definite shape or form; a large number of people or things grouped or crowded together

ANSWERS: 328. pupa, 329. butterfly, 330. sophisticated, 331. thread, 332. stretch, 333. chisel, 334. mass

335. price of pr____us metals *adj.* uncommon and extremely valuable
336. re____le each other *v.* to look like or be similar to someone or something
337. share my in____ts *n.* the ability to gain an accurate and deep understanding of people or situations; an accurate and deep understanding of what something is like
338. have a diverse mic____me *n.* the community of microorganisms (= living things too small to be seen) that can usually be found living together in any given environment or the human body
339. en____ly satisfied with the meal *adv.* completely
340. com____on garment *n.* the act or process of pressing or squeezing something together, often using force or pressure; (of physics) the reduction of volume or increase in pressure of a gas or fluid
341. na____le device *adj.* on a scale that can be measured in nanometres (= one billionth of a meter); on a very small scale
342. sc____on fish *n.* a small creature similar to an insect with a segmented body, a pair of pincers, and a long, thin tail that ends in a venomous sting
343. effect of cosmic r_ys *n.* a narrow line of light, heat, or another form of energy
344. ir____ar periods *adj.* not having an even or balanced shape or arrangement; contrary to the usual rule, accepted order, or what is expected

ANSWERS: 335. precious, 336. resemble, 337. insight, 338. microbiome, 339. entirely, 340. compression, 341. nanoscale, 342. scorpion, 343. ray, 344. irregular

345. tra_____nt crystal *adj.* easy to perceive, detect, or understand; (of a material or article) permitting light to pass through freely
346. dif_____ate between fact and fiction *v.* to recognize or establish as being distinct; to distinguish between things that are compared; to calculate a derivative
347. food ad_____ve *n.* a substance added to something in small amounts, especially food, to improve or preserve it
348. parched s__l *n.* the top layer of Earth in which plants grow
349. use one thing con_____sly *adv.* without being interrupted or paused; repeatedly
350. a br___h pipe *n.* a division of a tree or woody shrub that grows out from the trunk or a main stem; a division of some larger or more complex organization
351. vi_____ze data *v.* to form a mental image or concept of something; to make something visible
352. 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
353. rec_____ity rate *n.* the degree to which a material or product can be reused or repurposed after it has served its original function, without requiring significant modifications or environmental harm

ANSWERS: 345. transparent, 346. differentiate, 347. additive, 348. soil, 349. continuously, 350. branch, 351. visualize, 352. structure, 353. recyclability

354. te____te file *n.* a pre-designed file or document used as a starting point for a particular application so that the format does not have to be created from scratch
355. things at the na_____le *adj.* on a scale that can be measured in nanometres (= one billionth of a meter); on a very small scale
356. Ar___c cuisine *n.* the Semitic language of the Arab people, widely spoken throughout the Middle East and North Africa; of or relating to Arab peoples, culture, or language
357. 3D di____m *n.* a simplified illustration of the appearance, structure, or workings of something
358. ma_____ic field *adj.* having the properties of attracting or repelling certain materials containing iron or steel
359. mi_____e a service *v.* to move from one country or region to another and settle there; to move from one place to another periodically or seasonally
360. m__h larva *n.* an insect with wings similar to a butterfly that travels at night and is attracted to light
361. m__h attracted to the light *n.* an insect with wings similar to a butterfly that travels at night and is attracted to light
362. the tr__k of the body *n.* the main stem or body of a tree which its branches grow

ANSWERS: 354. template, 355. nanoscale, 356. Arabic, 357. diagram, 358. magnetic, 359. migrate, 360. moth, 361. moth, 362. trunk

363. fuel no___e *n.* a tube or spout through which a liquid or gas is discharged, particularly one attached to a hose, pump, or spray gun
364. ar_____pe symbol *n.* a very typical example of a certain person or thing; a recurrent symbol or motif in literature, art, or mythology that represents a universal pattern of human nature
365. ch_____an supplement *n.* a derivative of chitin (= a tough, protective polysaccharide compound), obtained by removing the acetyl groups from chitin, often used in various applications such as medicine, agriculture, and industry
366. un___l a monument *v.* to reveal or make something publicly known, especially for the first time
367. sp_____te on the outcome *v.* to form a theory or conjecture or guess about a subject without solid evidence
368. black at_____e case *n.* a person who works at an embassy, usually having a specialized area of responsibility; a shallow and rectangular briefcase
369. g_t feelings *n.* the long tube in the body of a person or animal through which food passes when it leaves the stomach; the mental strength or bravery required to do something difficult or unpleasant
370. start a new th___d *n.* a fine cord of natural or synthetic fibers or filaments, such as cotton or nylon, used in sewing, knitting, or weaving; a series of connected messages or comments on a social media platform or online forum, often related to a particular topic; a sequence or line of events, ideas, or actions that are connected or related; (verb) to pass a thread through a needle or other small opening, in preparation for sewing or stitching

ANSWERS: 363. nozzle, 364. archetype, 365. chitosan, 366. unveil, 367. speculate, 368. attache, 369. gut, 370. thread

371. ab___b energy *v.* to take in a fluid or other substance gradually
372. a m__h fence *n.* a material made of a network of wire, plastic, or thread
373. in____t a cave *v.* to live in a specific location; to reside
374. i__s pattern *n.* the colored part of the eye that surrounds the pupil; a flower with showy petals, named for its resemblance to the eye's iris
375. information ba____r *n.* a fence or other obstruction that makes it hard to move or get in; any condition that makes it difficult to make progress or to achieve an objective
376. ch___n structure *n.* a tough, protective polysaccharide compound that forms the exoskeleton of arthropods and the cell walls of some fungi
377. gr__d away at my work *v.* to reduce something to small particles or powder by crushing or rubbing it; to work hard over a long period of time
378. 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
379. d__e structure *n.* a rounded vault forming the roof of a building or structure, typically with a circular base
380. an ar__y of troops *n.* a large group or collection of things or people, especially one that is impressive or attractive

ANSWERS: 371. absorb, 372. mesh, 373. inhabit, 374. iris, 375. barrier, 376. chitin, 377. grind, 378. bubble, 379. dome, 380. array

381. enable se_____ss access *adj.* without spaces or breaks between one part and the next
382. de___e my position *v.* to state or explain precisely the nature, scope, or meaning of something
383. re_____t the adventure *v.* to describe what happened or to narrate a story
384. study arc_____ral engineering *adj.* of or relating to the design and construction of buildings and other structures and the features and style of such structures
385. 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
386. permanent ma___t *n.* an object or substance that can attract certain materials, such as iron or steel
387. si_____rm larvae *n.* the larva of a moth of the Bombyx genus that spins a cocoon of silk to encase itself while it transforms into a pupa; the silk fibers can be harvested and used to make fabric, such as silk
388. co_____t fat into energy *v.* to have a talk with someone; (adjective) reversed in order, relation, or action
389. ind_____us worker *adj.* hardworking, diligent, and persistent in effort
390. dis_____te wealth evenly *v.* to give something to a large number of individuals, or to spread or furnish something
391. chaotic env_____nt *n.* the natural world such as air, water, and land in which humans, animals, and plants live

ANSWERS: 381. seamless, 382. define, 383. recount, 384. architectural, 385. achieve, 386. magnet, 387. silkworm, 388. convert, 389. industrious, 390. distribute, 391. environment

392. large in_____ne
393. dis_____te video content
394. pathogenic ba_____ia
395. sharpen ch____l
396. harmless ba_____ia
397. p__d water
398. ca____n dioxide
399. no____e attachment
- n.* a long, tube-like organ in the digestive system that is responsible for absorbing nutrients from food and eliminating waste products
- v.* to give something to a large number of individuals, or to spread or furnish something
- n.* single-celled or noncellular spherical or spiral or rod-shaped organisms that exist in large numbers in the air, water, and soil, and also in living and dead creatures and plants, and are often a cause of disease
- n.* a tool with a sharpened edge at one end used for shaping wood, stone, or metal; (verb) to engage in deceitful behavior
- n.* single-celled or noncellular spherical or spiral or rod-shaped organisms that exist in large numbers in the air, water, and soil, and also in living and dead creatures and plants, and are often a cause of disease
- n.* a small, shallow lake
- 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
- n.* a tube or spout through which a liquid or gas is discharged, particularly one attached to a hose, pump, or spray gun

ANSWERS: 392. intestine, 393. distribute, 394. bacteria, 395. chisel, 396. bacteria, 397. pond, 398. carbon, 399. nozzle

400. s__ls retentive of moisture *n.* the top layer of Earth in which plants grow
401. te_____e properties *adj.* relating to the ability of a material or structure to stretch or bend without breaking or losing its shape; having great strength or flexibility under tension
402. 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
403. sh___p farming *n.* a small, freshwater or saltwater creature with a slender body and long legs
404. co_____e augmented reality *v.* to join or merge to form a single thing or group
405. uneven s__m *n.* a line of stitching or joining where two pieces of fabric or material are united; also, a narrow furrow or fissure in rock or soil
406. ca_____g instrument *n.* the act or process of cutting or shaping a hard material, such as wood or stone, into a specific form or design
407. blue i__s *n.* the colored part of the eye that surrounds the pupil; a flower with showy petals, named for its resemblance to the eye's iris
408. ar_____ct of the peace accord *n.* a person whose job is to design plans to be used in making something, such as buildings
409. theory of com_____on *n.* the act or process of calculating something, especially an answer or amount, by using a machine or calculator

ANSWERS: 400. soil, 401. tensile, 402. carbon, 403. shrimp, 404. combine, 405. seam, 406. carving, 407. iris, 408. architect, 409. computation

410. the average life s__n *n.* the entire length of something, such as time or space from beginning to end; the amount of space that something covers
411. pr_____n synthesis *n.* a molecule made up of a long chain of amino acids, which is essential for the structure and function of the body's tissues
412. s__n thread out of cotton *v.* to cause something to rotate rapidly; to cause someone to feel dizzy or disoriented
413. int_____ary debris *adj.* relating to or occurring between planets, particularly regarding space travel or communication
414. deleterious chemical ad_____ves *n.* a substance added to something in small amounts, especially food, to improve or preserve it
415. ana_____al ability *adj.* relating to or using analysis (= the process of breaking down a complex system or concept into smaller, simpler parts to understand it better), or able to analyze
416. in_____ne wall *n.* a long, tube-like organ in the digestive system that is responsible for absorbing nutrients from food and eliminating waste products
417. in_____e him to write a novel *v.* to make somebody fill with the desire, confidence, or enthusiasm, especially to do something creative
418. a thrust be_____g *n.* the way in which one comports oneself; a posture or stance, especially one indicative of confidence or authority; the horizontal direction or position of a place, object, or person relative to another

ANSWERS: 410. span, 411. protein, 412. spin, 413. interplanetary, 414. additive, 415. analytical, 416. intestine, 417. inspire, 418. bearing

419. tr_____te struggle into growth *v.* to change or convert from one form or substance to another, often in a transformative or profound way
420. ac_____ic guitar *adj.* relating to sound or the sense of hearing
421. a civil en_____er *n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software
422. industrial sy_____is *n.* a close, prolonged association between two or more different species of organisms, typically to the advantage of all
423. sh____p cocktail *n.* a small, freshwater or saltwater creature with a slender body and long legs
424. co_____e electricity *v.* to spend something, especially fuel, energy, or time, in a large amount
425. sy_____is establishment *n.* a close, prolonged association between two or more different species of organisms, typically to the advantage of all
426. beautiful arc_____ral landmarks *adj.* of or relating to the design and construction of buildings and other structures and the features and style of such structures
427. carbon fi__r *n.* thread or filament used to make a vegetable tissue, mineral material, or textile
428. do_____te possession *v.* to have or control a lot of power and influence over somebody or something

ANSWERS: 419. transmute, 420. acoustic, 421. engineer, 422. symbiosis, 423. shrimp, 424. consume, 425. symbiosis, 426. architectural, 427. fiber, 428. dominate

429. E. c__i bacteria strain *n.* a bacterium of the genus Escherichia that is commonly found in the human gut and is used as a model organism in molecular biology and biochemistry
430. d_m-building program *n.* a wall constructed over a river to block the flow of water, mainly used to generate energy
431. an egg sh__l *n.* hard outer covering or case of eggs, nuts, some seeds, and some animals
432. op___e color *adj.* not transparent; not allowing light to pass through; not permitting a clear view
433. gl_____g reviews *adj.* highly enthusiastic; greatly praised
434. emerge from a p__a *n.* the intermediate stage in the development of an insect between the larva and the adult
435. fl_____le schedules *adj.* able to change or be changed to suit new conditions or situations; able to bend easily
436. col_____te with the police *v.* to work with someone else to produce or achieve something
437. ma___e insurance *adj.* relating to the sea and the creatures and plants that live there
438. field of fun_____al medicine *adj.* designed for or capable of a particular activity, purpose, or task; practical or ready for use or service
439. sy_____is of ammonia *n.* the combination of components or elements to form a more complex whole; the creation of something new through combining parts or elements

ANSWERS: 429. coli, 430. dam, 431. shell, 432. opaque, 433. glowing, 434. pupa, 435. flexible, 436. collaborate, 437. marine, 438. functional, 439. synthesis

440. plenty of fl__ds *n.* a substance that can flow and is not solid
441. met_____sis process *n.* a profound or dramatic change in form, structure, or condition; a transformation; the process by which an animal or insect undergoes a physical transformation, such as growth, development, or maturation
442. distance g_p *n.* a conspicuous disparity or difference separates something such as a figure, people, their opinions, situation, etc.
443. academic ri__r *n.* strictness or severity in opinion, temper, or judgment
444. v__y according to the age *v.* to become different in terms of size, shape, etc.
445. bilateral sy_____ry *n.* balance or proportion in design or structure, with elements arranged evenly on either side of an axis
446. 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
447. c__i cells *n.* a bacterium of the genus Escherichia that is commonly found in the human gut and is used as a model organism in molecular biology and biochemistry
448. 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

ANSWERS: 440. fluid, 441. metamorphosis, 442. gap, 443. rigor, 444. vary, 445. symmetry, 446. atmosphere, 447. coli, 448. steel

449. snow d__e *n.* a rounded vault forming the roof of a building or structure, typically with a circular base
450. a m__s of molten rock *n.* a large amount of a substance with no definite shape or form; a large number of people or things grouped or crowded together
451. artificial ma___e *n.* a hard crystalline metamorphic rock that has a pattern of lines going through it and takes a high polish used for sculpture and as building material; a small ball made of stone, especially one used in children's games
452. re_____on sociology *n.* a deep conviction in a supernatural power that controls human destiny
453. crater r_m *n.* the edge of something in the shape of a more or less circular object
454. Je___h history *adj.* of or relating to people whose traditional religion is Judaism
455. ana_____al approach *adj.* relating to or using analysis (= the process of breaking down a complex system or concept into smaller, simpler parts to understand it better), or able to analyze
456. na_____ly arising *adv.* as might be expected; by natural manners
457. arterial con_____ce *n.* the point at which two or more streams or rivers come together; a gathering of people or things at a particular location or moment

ANSWERS: 449. dome, 450. mass, 451. marble, 452. religion, 453. rim, 454. Jewish, 455. analytical, 456. naturally, 457. confluence

458. cat_____ar in a cocoon *n.* the wormlike larva of a butterfly or moth
459. a ch_____al compound *adj.* relating to or connected with chemistry;
460. en_____er shortage *n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software
461. fleshly de_____e *n.* a strong feeling of wanting to have or do something
462. the ma____x of Western civilization *n.* a rectangular array of numbers, symbols, or expressions, arranged in rows and columns and often enclosed in brackets; an enclosure within which something originates or develops
463. a person of in_____ty *n.* the quality of being honest and having strong moral principles; the state of being whole and undivided
464. skin mic_____me *n.* the community of microorganisms (= living things too small to be seen) that can usually be found living together in any given environment or the human body
465. syn_____ze molecules *v.* to combine a substance to make a more complex product or compound
466. b__k at the moon *n.* the hard outer layer of a tree; a sound made by dogs or some other animals
467. a t__n-lens camera *n.* either of two children born at the same time from the same mother
468. tr_____te energy *v.* to change or convert from one form or substance to another, often in a transformative or profound way

ANSWERS: 458. caterpillar, 459. chemical, 460. engineer, 461. desire, 462. matrix, 463. integrity, 464. microbiome, 465. synthesize, 466. bark, 467. twin, 468. transmute

469. computer gr____cs *n.* images, designs, or drawings used in websites, books, magazines, etc.
470. a facial ti____e *n.* an ensemble of similar cells of the animal or plant that together carry out a specific function
471. a military be____g *n.* the way in which one comports oneself; a posture or stance, especially one indicative of confidence or authority; the horizontal direction or position of a place, object, or person relative to another
472. tissue te____es *n.* any type of cloth made by weaving or felting or knitting

ANSWERS: 469. graphics, 470. tissue, 471. bearing, 472. textile

Session 3: Fill in the Blanks

1. They _____ events that have already occurred.
v. to describe what happened or to narrate a story
2. Her research team made an important _____.
n. the act or process of finding information, a place, or an object, or learning about something that was previously not known
3. My dream is to become a great _____ designer like her.
n. images, designs, or drawings used in websites, books, magazines, etc.
4. The surgeon removed the tumor using _____ video assistance.
adj. of or relating to mechanical robots; (robotics) the interdisciplinary branch of computer science and engineering with the practical use of robots
5. The deep sea _____ was unlike anything the scientists had ever seen before.
n. a living being, especially an animal
6. The lobster's _____ shell turns red when cooked due to heat-induced chemical changes.
n. a tough, protective polysaccharide compound that forms the exoskeleton of arthropods and the cell walls of some fungi
7. She tried to _____ the layout of the new house in her mind.
v. to form a mental image or concept of something; to make something visible
8. The _____ in the room was palpable as the team waited for their leader to speak.
n. a state of mental or emotional strain or excitement; the state of being stretched tight

ANSWERS: 1. recount, 2. discovery, 3. graphics, 4. robotic, 5. creature, 6. chitin-based, 7. visualize, 8. tension

9. Their _____ strictly prohibits them from drinking or gambling.
n. a deep conviction in a supernatural power that controls human destiny
10. The kidney is an _____ component of the body.
adj. of or derived from biological substance; producing plants and animals for food and other items without the use of synthetic chemicals
11. The country has _____ oil and natural gas resources.
adj. present in great quantity
12. The city is known for its impressive _____ and beautiful old buildings.
n. the art and science of designing and constructing buildings
13. I'm studying _____ calligraphy as part of my art class.
n. the Semitic language of the Arab people, widely spoken throughout the Middle East and North Africa; of or relating to Arab peoples, culture, or language
14. He should _____ more with his colleagues.
v. to communicate or react with somebody
15. Today, the study of _____ remains an important part of the history of science and philosophy
n. a medieval chemical philosophy and speculative theory that aimed to transform base metals into gold or produce a universal elixir that could cure all diseases and grant immortality; a process of transformation or creation that appears magical or mysterious
16. Her body felt _____ after sitting at her desk for hours without moving.
adj. not easily bent, flexible, or pliable; difficult to move or be maneuvered; difficult to relax; having a heavy or formal manner

ANSWERS: 9. religion, 10. organic, 11. abundant, 12. architecture, 13. Arabic, 14. interact, 15. alchemy, 16. stiff

17. He removed the _____ from the tree.

n. the hard outer layer of a tree; a sound made by dogs or some other animals

18. The company divided the tasks into _____ segments to increase efficiency.

adj. separate and distinct; not continuous; individually distinguishable

19. The spider can _____ multiple different silk proteins.

v. to combine a substance to make a more complex product or compound

20. One bad apple spoils the whole _____.

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

21. 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

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

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

23. The eggs began to _____ and the small chicks emerged.

v. to cause an egg to break to allow a young animal to come out; to produce and expand something that is in an early stage

24. The doctor recommended a _____ bandage to reduce swelling in the injured area.

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

ANSWERS: 17. bark, 18. discrete, 19. synthesize, 20. bunch, 21. polymers, 22. stick, 23. hatch, 24. compression

25. I need to sew a _____ onto my jeans that ripped.
- n.* a small piece of material or fabric used to repair or reinforce a tear, hole, or damaged area; a small plot of land used for cultivation or a specific purpose
26. The freshwater _____ was home to many different types of fish and was a popular spot for fishing.
- n.* a small, shallow lake
27. He slightly modified the _____ of training because it was just before a match.
- n.* the entire length of something, such as time or space from beginning to end; the amount of space that something covers
28. The _____ format provided a useful guide for creating the budget.
- n.* a pre-designed file or document used as a starting point for a particular application so that the format does not have to be created from scratch
29. This _____ is a producer of respiratory disease.
- n.* a very small living thing that may exist in its single-celled form or as a colony of cells and is too small to be seen without a microscope
30. Marketing strategies are growing more _____.
- adj.* having a great deal of worldly experience and knowledge of people's behavior, culture, and fashion
31. _____ moisture is another significant component controlling soil respiration.
- n.* the top layer of Earth in which plants grow
32. The body needs a certain amount of _____ to build and repair tissues.
- n.* a molecule made up of a long chain of amino acids, which is essential for the structure and function of the body's tissues

ANSWERS: 25. patch, 26. pond, 27. span, 28. template, 29. microorganism, 30. sophisticated, 31. Soil, 32. protein

33. Detectives are still attempting to _____ the mystery of his death.
v. undo twisted, knitted, or woven threads by separating it
34. You can be more _____ and creative in your approach.
adj. able to change or be changed to suit new conditions or situations; able to bend easily
35. He is _____ and can break down complex problems into manageable parts.
adj. relating to or using analysis (= the process of breaking down a complex system or concept into smaller, simpler parts to understand it better), or able to analyze
36. A rose has thorns on its _____.
n. the central part of something from which other parts can develop or grow; the part of a word common to all its inflected variants; (verb) to grow out of, have roots in, or originate in
37. My friend is a _____ woman who celebrates Hanukkah every year.
adj. of or relating to people whose traditional religion is Judaism
38. The _____ of people who do not own property is politically impotent.
n. a large amount of a substance with no definite shape or form; a large number of people or things grouped or crowded together
39. He is drawing a _____ illustrating how the equipment operates.
n. a simplified illustration of the appearance, structure, or workings of something
40. The teacher attempted to _____ the root cause of our mistake.
v. to think about in-depth and evaluate to discover essential features or meaning

ANSWERS: 33. unravel, 34. flexible, 35. analytical, 36. stem, 37. Jewish, 38. mass, 39. diagram, 40. analyze

41. The butterfly's _____ from a caterpillar to a winged creature is a wonder of nature.
- n.* a profound or dramatic change in form, structure, or condition; a transformation; the process by which an animal or insect undergoes a physical transformation, such as growth, development, or maturation
42. The project's _____ made it difficult for the team to complete it on time.
- n.* the state or quality of being complicated or intricate and difficult to understand
43. His estate was _____ to his sons.
- v.* to give something to a large number of individuals, or to spread or furnish something
44. Scientists are searching for signs of _____ on other planets.
- n.* a living organism, especially one that has a distinct shape, structure, or behavior
45. We elected him to _____ us at the international conference.
- v.* to speak, act, or be present on behalf of another person or group; to form or constitute
46. The _____ chip in my credit card allows me to make contactless payments.
- adj.* fixed firmly into the surface of something
47. The river was too deep to cross, so we had to find a _____ downstream where the water was shallower.
- n.* a shallow place in a river or stream where it is possible to walk or drive across
48. The general gave a _____ to his troops to prepare for battle.
- n.* authority, control, or mastery over something, often referring to military or leadership contexts; a directive, order, or instruction; expertise or confidence in a specific area; (verb) to give an authoritative order or instruction, or to be in charge or control of something

ANSWERS: 41. metamorphosis, 42. complexity, 43. distributed, 44. life-form, 45. represent, 46. embedded, 47. ford, 48. command

49. The population in the rural area was very _____ with everyone having the same cultural and ethnic background.
- adj.* consisting of or composed of parts that are similar or identical in nature, kind, or character; uniform in structure or composition
50. The hero's journey is a common _____ in many myths and stories.
- n.* a very typical example of a certain person or thing; a recurrent symbol or motif in literature, art, or mythology that represents a universal pattern of human nature
51. The country's domestic coal consumption has been _____ declining for decades.
- adv.* without being interrupted or paused; repeatedly
52. Seals and whales are _____ animals beloved by the people.
- adj.* relating to the sea and the creatures and plants that live there
53. She was diagnosed with a _____ buildup in her lungs.
- n.* a substance that can flow and is not solid
54. The floor was made of white and black _____ arranged in a checkerboard pattern.
- n.* a hard crystalline metamorphic rock that has a pattern of lines going through it and takes a high polish used for sculpture and as building material; a small ball made of stone, especially one used in children's games
55. The farmer owns a large _____ of land where he grows corn and soybeans.
- n.* a region of land, often with a specific purpose or use, such as farming, forestry, or mining; a bundle of nerves or a system of organs in the body

ANSWERS: 49. homogeneous, 50. archetype, 51. continuously, 52. marine, 53. fluid, 54. marble, 55. tract

56. The _____ of numbers on the spreadsheet allowed the accountant to track the company's profits and losses easily.
- n.* a rectangular array of numbers, symbols, or expressions, arranged in rows and columns and often enclosed in brackets; an enclosure within which something originates or develops
57. 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
58. 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.
59. Economic factors and monetary policy _____ inflation.
- v.* to increase the size, extent, quantity, etc. of something by adding something to it
60. The phone rang at the most _____ time.
- adj.* suitable or happening at a time that is suitable or convenient for a particular purpose
61. She took a _____ class at the gym to improve her cardiovascular fitness.
- n.* the act of rotating rapidly around an axis; in the context of textiles, the process of twisting fibers together to form thread or yarn

ANSWERS: 56. matrix, 57. function, 58. photosynthesis, 59. augmented, 60. opportune, 61. spinning

62. The doctor explained the various _____ changes that occur during pregnancy.
adj. relating to the normal functioning of living organisms and their organs and systems; concerning the physical or biochemical processes and activities that occur within the body
63. The gasoline _____ had leaked from the container.
n. a substance added to something in small amounts, especially food, to improve or preserve it
64. The focus of these initiatives is to make the financial system more _____.
adj. easy to perceive, detect, or understand; (of a material or article) permitting light to pass through freely
65. He made a New Year's _____ to exercise more and eat healthier.
n. a firm decision or determination to do or not do something; the action of solving a problem, dispute, or conflict; the quality of being resolved or determined; the clarity and sharpness of an image or display
66. Many companies are now enthusiastically embracing the knowledge of _____ for sustainable development.
n. the study of the relationships between living organisms, including humans, and their physical environment
67. The police placed a _____ across the street to halt traffic.
n. a fence or other obstruction that makes it hard to move or get in; any condition that makes it difficult to make progress or to achieve an objective
68. The outermost electron _____ determines the chemical properties of an atom.
n. hard outer covering or case of eggs, nuts, some seeds, and some animals

ANSWERS: 62. physiological, 63. additive, 64. transparent, 65. resolution, 66. ecology, 67. barrier, 68. shell

69. I ordered a plate of fresh _____ at the seafood restaurant.
- n.* a sea creature with two large claws and a flattened back (e.g., blue crab or king crab); a sour or grumpy person who is prone to complaining or criticizing
70. Efficiency isn't an essential _____ here; fairness is.
- n.* a fundamental law or truth that explains or controls how something happens or works
71. The detective looked for fingerprints on the window _____.
- n.* a strong border or structure of the wood, metal, etc. that surrounds something such as a picture, door, or window
72. I need to _____ this document before submitting it to my boss.
- v.* to prepare written material for publication by correcting, condensing, or otherwise modifying it
73. This company's _____ plant is an enormous facility.
- n.* a group of people who have been elected, especially one that meets regularly and makes decisions or laws for a specific region or country
74. When the dead body was found, _____ mortis had already begun.
- n.* strictness or severity in opinion, temper, or judgment
75. It is essential to keep these two issues _____.
- adj.* noticeable from something else of a similar type
76. Its _____ brothers are difficult to tell apart except for their parents.
- n.* either of two children born at the same time from the same mother

ANSWERS: 69. crab, 70. principle, 71. frame, 72. edit, 73. assembly, 74. rigor, 75. distinct, 76. twin

77. They study the _____ of the universe.
- n.* a gradual process of transformation of living things
78. The sun was setting, and the sky _____ with beautiful colors.
- v.* to give out a steady, strong light
79. We must consume dietary _____ to maintain good health.
- n.* thread or filament used to make a vegetable tissue, mineral material, or textile
80. In _____ private corporations provide healthcare services.
- n.* the act or process of adding something to something else; the process of adding numbers
81. The allies _____ the terms of surrender to the country.
- v.* to state or give order with total authority; to say or read aloud for somebody else to write down or to be recorded
82. The water level was even with the basin's _____.
- n.* the edge of something in the shape of a more or less circular object
83. Many Germans _____ to South America in the mid-19th century.
- v.* to move from one country or region to another and settle there; to move from one place to another periodically or seasonally
84. The problem with achievement tests is the narrowness they _____ on students.
- v.* to officially force a new law, tax, duty, etc. to be obeyed or received
85. The detective followed a _____ of clues which ultimately led to the suspect's arrest.
- n.* a fine cord of natural or synthetic fibers or filaments, such as cotton or nylon, used in sewing, knitting, or weaving; a series of connected messages or comments on a social media platform or online forum, often related to a particular topic; a sequence or line of events, ideas, or actions that are connected or related; (verb) to pass a thread through a needle or other small opening, in preparation for sewing or stitching

ANSWERS: 77. evolution, 78. glowed, 79. fiber, 80. addition, 81. dictated, 82. rim, 83. migrated, 84. impose, 85. thread

86. Maximum heart rates _____ a lot for each individual.
v. to become different in terms of size, shape, etc.
87. The majority of synthetic vitamins are _____ from oil.
v. to make goods in large numbers, usually in a factory using machines
88. She stood on the podium and _____ an audience.
v. to examine something hastily, with the eyes or with a machine, to get information
89. The small _____ is responsible for absorbing most of the nutrients from food.
n. a long, tube-like organ in the digestive system that is responsible for absorbing nutrients from food and eliminating waste products
90. We cannot afford to squander _____ time.
adj. uncommon and extremely valuable
91. The break in the ____ threatened the valley.
n. a wall constructed over a river to block the flow of water, mainly used to generate energy
92. The construction workers set up the _____ to reach the top of the building.
n. a temporary platform or structure used to support workers and materials during construction or maintenance work
93. The _____ nanoparticles are used for targeted drug delivery in cancer treatments.
n. a derivative of chitin (= a tough, protective polysaccharide compound), obtained by removing the acetyl groups from chitin, often used in various applications such as medicine, agriculture, and industry

ANSWERS: 86. vary, 87. manufactured, 88. scanned, 89. intestine, 90. precious, 91. dam, 92. scaffold, 93. chitosan

94. The caterpillar spins a _____ around itself before turning into a butterfly.
n. a protective covering spun by some insects and other invertebrates
95. 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
96. The study of Escherichia _____ has led to important advancements in areas such as antibiotic resistance, gut microbiome, and synthetic biology.
n. a bacterium of the genus Escherichia that is commonly found in the human gut and is used as a model organism in molecular biology and biochemistry
97. To advance this discussion, we must _____ "success" rigorously.
v. to state or explain precisely the nature, scope, or meaning of something
98. Gamma _____ penetrate body tissues and cause cell damage.
n. a narrow line of light, heat, or another form of energy
99. The carpenter applied _____ to the cabinet joints before nailing them together.
n. a sticky substance used for joining things together; a bonding agent made from animal or synthetic materials
100. The _____ of getting the disease will drastically increase.
n. a chance that something may happen or be true
101. Low sexual _____ typically correlates with low testosterone levels.
n. a strong feeling of wanting to have or do something
102. A _____ of two smaller streams formed the river.
n. the point at which two or more streams or rivers come together; a gathering of people or things at a particular location or moment

ANSWERS: 94. cocoon, 95. carbon, 96. coli, 97. define, 98. rays, 99. glue, 100. possibility, 101. desire, 102. confluence

103. Students have loved this textbook for many years as a biology _____.
- n.* the sacred writings of the Christian religions, consisting of the Old and New Testaments; a book regarded as authoritative in its field
104. The _____ of the energy production process is a large amount of carbon dioxide emissions.
- n.* a secondary or incidental product produced in the manufacture or synthesis of something else
105. He enjoys collecting _____ specimens.
- n.* a diurnal insect typically has a slender body with knobbed antennae and broad, colorful wings
106. The _____ cocoon contains the silk fibers used to make luxurious fabrics.
- n.* the larva of a moth of the *Bombyx* genus that spins a cocoon of silk to encase itself while it transforms into a pupa; the silk fibers can be harvested and used to make fabric, such as silk
107. Many people are working together to close the gender ____.
- n.* a conspicuous disparity or difference separates something such as a figure, people, their opinions, situation, etc.
108. The new technology added a level of _____ to the manufacturing process.
- n.* the quality or state of having a great deal of worldly experience; the quality or state of being intellectually or culturally refined
109. Little children tend to have _____ friends.
- adj.* existing only in someone's mind

ANSWERS: 103. bible, 104. byproduct, 105. butterfly, 106. silkworm's, 107. gap, 108. sophistication, 109. imaginary

110. The chemical _____ of the new drug was a breakthrough in medical research.
- n.* the combination of components or elements to form a more complex whole; the creation of something new through combining parts or elements
111. The seafood restaurant had a variety of dishes featuring _____.
- n.* a small, freshwater or saltwater creature with a slender body and long legs
112. 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
113. The company's plastic products are easily _____ thanks to a unique manufacturing process.
- v.* to decay naturally by microorganisms, such as bacteria and fungi
114. 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
115. The intricate _____ on the wooden box was the work of a master craftsman.
- n.* the act or process of cutting or shaping a hard material, such as wood or stone, into a specific form or design
116. The _____ of the moth was hidden deep inside the cocoon.
- n.* the intermediate stage in the development of an insect between the larva and the adult
117. The _____ fabric was breathable and comfortable to wear.
- n.* a material made of a network of wire, plastic, or thread

ANSWERS: 110. synthesis, 111. shrimp, 112. spinning, 113. biodegraded, 114. atmosphere, 115. carving, 116. pupa, 117. mesh

118. The perspective of his right brain _____ his consciousness.
v. to have or control a lot of power and influence over somebody or something
119. The _____ between the coral and the algae is an important example of mutualism.
n. a close, prolonged association between two or more different species of organisms, typically to the advantage of all
120. The building _____ tried to build the house above the tree.
n. a person whose job is to design plans to be used in making something, such as buildings
121. The _____ of the tree had fallen and blocked the road.
n. a division of a tree or woody shrub that grows out from the trunk or a main stem; a division of some larger or more complex organization
122. The toxic algae bloom in the lake was caused by an overgrowth of _____.
n. a group of photosynthetic bacteria that possess chlorophyll and blue pigments and are characteristically found in aquatic environments; also known as blue-green algae
123. The service was _____ and the food was quite delicious.
adj. without spaces or breaks between one part and the next
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. The firm has grown into a large _____ manufacturing.
adj. relating to or connected with chemistry;

ANSWERS: 118. dominates, 119. symbiosis, 120. architect, 121. branch, 122. cyanobacteria, 123. seamless, 124. planet, 125. chemical

126. _____ design has become more focused on human nature aspect than ever before.

adj. of or relating to or resulting from industry

127. Scientists are working on developing _____ travel to explore other planets in our solar system.

adj. relating to or occurring between planets, particularly regarding space travel or communication

128. The researcher demonstrated the superiority of quantum _____ in several mathematical tasks.

n. the act or process of calculating something, especially an answer or amount, by using a machine or calculator

129. 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

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

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

131. The artist used a pasta machine to _____ clay into intricate shapes.

v. to force, push, or press out through a narrow opening or nozzle, often in a continuous fashion; to shape materials by squeezing them through a die or mold

132. The _____ of electronic devices is a significant challenge due to the complexity of their components.

n. the degree to which a material or product can be reused or repurposed after it has served its original function, without requiring significant modifications or environmental harm

ANSWERS: 126. Industrial, 127. interplanetary, 128. computation, 129. structure, 130. collaborate, 131. extrude, 132. recyclability

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

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

134. The _____ is a serious threat to the farm's output.

- n.* an insect with wings similar to a butterfly that travels at night and is attracted to light

135. The war between the two countries was also a battle between competing _____.

- n.* a particular philosophy or cognitive orientation of life or conception of the world

136. The company's reputation for honesty and _____ is highly valued among its customers.

- n.* the quality of being honest and having strong moral principles; the state of being whole and undivided

137. We gained various _____ by analyzing the vast amount of data owned by the company.

- n.* the ability to gain an accurate and deep understanding of people or situations; an accurate and deep understanding of what something is like

138. I'm strongly _____ to that plan.

- adj.* being completely different from something or disagreeing strongly with something

139. 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

ANSWERS: 133. inspiration, 134. moth, 135. worldviews, 136. integrity, 137. insights, 138. opposed, 139. steel

140. The wooly bear _____ munched on leaves all day.
n. the wormlike larva of a butterfly or moth
141. Astronomers are examining whether the _____ signals emanating from this star are artificial.
adj. happening at regular intervals over a while
142. She struggled to _____ the children's reading habits.
v. to supply enough of what somebody or something needs to survive or exist; to accept as valid
143. The pilot had to adjust the plane's _____ to stay on course.
n. the way in which one comports oneself; a posture or stance, especially one indicative of confidence or authority; the horizontal direction or position of a place, object, or person relative to another
144. The _____ venom can be lethal to humans.
n. a small creature similar to an insect with a segmented body, a pair of pincers, and a long, thin tail that ends in a venomous sting
145. 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
146. I want to _____ my sadness into strength.
v. to have a talk with someone; (adjective) reversed in order, relation, or action
147. The mobile phone was still _____ even after being dropped.
adj. designed for or capable of a particular activity, purpose, or task; practical or ready for use or service

ANSWERS: 140. caterpillar, 141. periodic, 142. sustain, 143. bearing, 144. scorpion's, 145. biology, 146. convert, 147. functional

148. He was known to be very _____ and would often work late into the night.
adj. hardworking, diligent, and persistent in effort
149. He _____ that this investment would lead to success.
v. to form a theory or conjecture or guess about a subject without solid evidence
150. She took the dress to the tailor to fix the torn _____.
n. a line of stitching or joining where two pieces of fabric or material are united; also, a narrow furrow or fissure in rock or soil
151. The sponge takes up the _____ well.
n. a substance, such as water or oil that flows freely and is neither a solid nor a gas
152. The mother used her breast milk to _____ the baby.
v. to provide a person, an animal, or plant with food to make them grow and stay healthy
153. The airplane was powered by a _____ made from plant-based materials.
n. a fuel produced from organic matter, such as crops or waste material, that can be used to replace or supplement traditional fossil fuels
154. The sponge _____ water well.
v. to take in a fluid or other substance gradually
155. The _____ of the school's dress code policy caused much controversy among the students and parents.
n. the state or quality of being rigid or inflexible; the inability to adapt to change or new circumstances; the condition of being stiff or unyielding

ANSWERS: 148. industrious, 149. speculated, 150. seam, 151. liquid, 152. nourish, 153. biofuel, 154. absorbs, 155. rigidity

156. Her beauty resulted from a good night's sleep rather than _____.

n. colored substances used on someone's face to improve or change their appearance

157. A smaller car will _____ less fuel.

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

158. Later, his claim was found to be _____ false.

adv. completely

159. He was _____ gifted.

adv. as might be expected; by natural manners

160. These economic activities had disastrous environmental _____.

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

161. The outdoor wedding reception was held in a beautiful _____ overlooking the lake.

n. a large, often ornate tent or booth, often used for entertainment or public events; a building or structure, often in a park or other public space, used for meetings, exhibitions, or social gatherings

162. 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

163. 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

ANSWERS: 156. makeup, 157. consume, 158. entirely, 159. naturally, 160. consequences, 161. pavilion, 162. irregular, 163. achieve

164. Hydrogen and oxygen _____ to form water.

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

165. The archaeologist used a small _____ to excavate the ancient artifact.

n. a tool with a sharpened edge at one end used for shaping wood, stone, or metal; (verb) to engage in deceitful behavior

166. The curtains were made of _____ fabric that blocked out all light.

adj. not transparent; not allowing light to pass through; not permitting a clear view

167. The _____ modified crops were resistant to pests and required less water.

adv. in a way that relates to or is produced by genes (= the units in the cells of a living thing received by an animal or plant from its parents) or heredity

168. A nutritious diet improves _____ functions.

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

169. _____ diamonds play an essential role as machine tool blades.

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

170. The customer on the Internet has to choose one from a formidable _____ of products.

n. a large group or collection of things or people, especially one that is impressive or attractive

171. 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: 164. combine, 165. chisel, 166. opaque, 167. genetically, 168. digestive, 169. Synthetic, 170. array, 171. revolution

172. The MRI machine uses _____ to produce images of the body's internal organs.

n. an object or substance that can attract certain materials, such as iron or steel

173. The western sky was _____ pink.

adj. highly enthusiastic; greatly praised

174. Destructive fungi thrive in moist environments, such as those seen in wounds on the _____.

n. the main stem or body of a tree which its branches grow

175. The Prime Minister _____ his regret for his neighbors

v. to show something such as feeling, attitude, quality, etc. clearly through signs or actions

176. That style is no longer in _____.

n. a style that is popular at a particular time or place; the state of being popular

177. Some herds have been observed to _____ hundreds of kilometers.

v. to make or be capable of making anything longer or broader without hurting or breaking

178. X-rays revealed a small tumor in his _____.

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

179. The company plans to _____ its new product at the trade show next week.

v. to reveal or make something publicly known, especially for the first time

ANSWERS: 172. magnets, 173. glowing, 174. trunk, 175. manifested, 176. fashion, 177. stretch, 178. brain, 179. unveil

180. The _____ will repair my telephone tomorrow morning.

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

181. She had to _____ the coffee beans before making a fresh cup.

- v.* to reduce something to small particles or powder by crushing or rubbing it; to work hard over a long period of time

182. 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

183. The teacher asked the students to _____ between the two similar species of birds.

- v.* to recognize or establish as being distinct; to distinguish between things that are compared; to calculate a derivative

184. 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

185. He could not _____ against temptation.

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

186. They have been living near water since _____ times.

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

187. The company is planning to make a _____ expansion of its factory.

- adj.* involving many people or things and involving a lot of change or activity

ANSWERS: 180. engineer, 181. grind, 182. silk, 183. differentiate, 184. capture, 185. struggle, 186. ancient, 187. large-scale

188. Take a right turn at the next _____.

n. a point where two or more roads, lines, etc., cross each other

189. Ozone is a primary _____ to protect Earth's surface from harmful UV rays.

n. any of several types of equipment or systems used to separate particles from liquids or gases or to remove specific forms of light

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

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

191. The gut _____ is a major producer of serotonin, which is necessary for human mental stability.

n. the community of microorganisms (= living things too small to be seen) that can usually be found living together in any given environment or the human body

192. 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

193. He told me a _____ truth about my parent's death.

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

194. The _____ of the rubber band allowed it to stretch without breaking.

n. the ability of a material to return to its original shape after being stretched or compressed; flexibility; adaptability to change

ANSWERS: 188. intersection, 189. filter, 190. Bacteria, 191. microbiome, 192. inspired, 193. gut-wrenching, 194. elasticity

195. The _____ force of the earth keeps our planet spinning.

adj. having the properties of attracting or repelling certain materials containing iron or steel

196. The sun's _____ shone through the window and illuminated the room.

n. a long, sturdy piece of timber, metal, or other material used to support a structure or span a distance; a ray or stream of light emitted by a source

197. The building had a _____ pattern that was pleasing to the eye.

n. balance or proportion in design or structure, with elements arranged evenly on either side of an axis

198. The _____ style of the building was a mix of modern and traditional.

adj. of or relating to the design and construction of buildings and other structures and the features and style of such structures

199. Companies often _____ their shares to lower the stock price and encourage investors to buy.

v. to divide, or to make something divide into two or more parts, especially along a particular line

200. He stepped on the gas pedal, and the engine released a loud _____.

n. a measure of the rate at which an engine or motor rotates, often expressed in revolutions per minute (RPM); (verb) to increase the number of rotations per minute

201. The _____ of the Atlantic coast of America is very complicated.

n. the outline of its shape or form; a line drawn on a map connecting points of equal height

ANSWERS: 195. magnetic, 196. beam, 197. symmetry, 198. architectural, 199. split, 200. rev, 201. contour

202. The _____ of the company's financial statements raised suspicions of fraud.
- n.* the quality or state of being opaque (= not allowing light to pass through); a lack of transparency or clarity in a person's behavior, motives, or communication
203. 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
204. The camera's _____ controls how much light enters the lens.
- n.* an opening or hole, especially one that is narrow or slitlike
205. My father's death _____ my life completely.
- v.* to change in outward structure or looks;
206. A prime minister talked with a military _____ of the country's embassy.
- n.* a person who works at an embassy, usually having a specialized area of responsibility; a shallow and rectangular briefcase
207. The brothers _____ each other in the hobby.
- v.* to look like or be similar to someone or something
208. The _____ of the eye contracts and expands to control the amount of light that enters.
- n.* the colored part of the eye that surrounds the pupil; a flower with showy petals, named for its resemblance to the eye's iris
209. This exam requires excellent _____ to pass.
- n.* the ability to focus all your time and energy on one thing without thinking about anything else.

ANSWERS: 202. opacity, 203. bubble, 204. aperture, 205. transformed, 206. attache, 207. resemble, 208. iris, 209. concentration

210. China's _____ industry has developed rapidly with the input of foreign capital.
n. any type of cloth made by weaving or felting or knitting
211. The country experienced a _____ increase in population.
adj. happening slowly over a long period of time or distance; not steep or abrupt
212. The worker survived the impact because they were wearing sturdy _____.
n. a protective covering for the head, worn for safety or as part of a uniform or ceremonial dress
213. 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
214. I have no idea what sort of folks _____ the neighborhood.
v. to live in a specific location; to reside
215. He worked at the _____ of behavioral economics.
n. a border that separates two countries, or the area near this line
216. The car wash _____ sprayed a powerful stream of soapy water onto the vehicle.
n. a tube or spout through which a liquid or gas is discharged, particularly one attached to a hose, pump, or spray gun
217. The engineer tested the _____ strength of the metal to determine its durability.
adj. relating to the ability of a material or structure to stretch or bend without breaking or losing its shape; having great strength or flexibility under tension

ANSWERS: 210. textile, 211. gradual, 212. helmets, 213. compressed, 214. inhabit, 215. frontier, 216. nozzle, 217. tensile

218. He stood to inherit a million-dollar _____.

n. a thing or things that belong to someone

219. The earthquake resulted in significant _____ destruction.

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

220. 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

221. This microbe is a parasite of _____ fish.

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

222. She cinched her dress at the _____ to accentuate her hourglass figure.

n. the part of the human body between the ribs and hips or the corresponding part in other animals

223. The _____ number on the dial was 3.

adj. similar to, connected with, or accompanying something, especially in position or purpose

224. The nation's healthcare system is in _____ at the moment.

n. the process or period of changing from one state or circumstance to another

225. The ground acts as an _____ barrier against outside sounds.

adj. relating to sound or the sense of hearing

226. This process improves the strength of the metal by controlling the _____ lattice structure of the metal.

adj. on a scale that can be measured in nanometres (= one billionth of a meter); on a very small scale

ANSWERS: 218. property, 219. structural, 220. environment, 221. freshwater, 222. waist, 223. corresponding, 224. transition, 225. acoustic, 226. nanoscale

227. Some alchemists believed in the ability to _____ base metals into gold.
- v.* to change or convert from one form or substance to another, often in a transformative or profound way
228. Draw a circle five centimeters in _____.
- n.* the length of a straight line passing through the center of a circle and connecting two points on the circumference
229. The researcher separated the nervous _____ for microscopic examinations.
- n.* an ensemble of similar cells of the animal or plant that together carry out a specific function
230. The company is trying to _____ its business model to stay competitive.
- v.* to imagine or conceive of something in a new or different way
231. _____ profiling is a new form of airport security.
- adj.* of or relating to a person's face
232. 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
233. 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
234. The _____ surrounding the disappearance of the traveler has yet to be solved by authorities.
- n.* something difficult to understand or explain; a secret or enigmatic quality that adds to the fascination or interest of something; a genre of fiction that involves the solution of a crime or a puzzle

ANSWERS: 227. transmute, 228. diameter, 229. tissue, 230. reimagine, 231. Facial, 232. process, 233. relations, 234. mystery

235. The cathedral _____ soared high above, its stained-glass windows casting colorful light on the altar below.

- n.* a rounded vault forming the roof of a building or structure, typically with a circular base

236. Their innovative concepts were consistent across their bodies of _____.

- n.* the different parts of something's elements or ingredients; the way in which the different components are organized; a piece of music written by someone

ANSWERS: 235. dome, 236. composition