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## Vocabulary Builder Reference from...

*Nicolas Perony: Puppies! Now that I've got your attention, complexity theory | TED Talk*

[https://www.ted.com/talks/nicolas\\_perony\\_puppies\\_now\\_that\\_i\\_ve\\_got\\_your\\_attention\\_complexity\\_theory](https://www.ted.com/talks/nicolas_perony_puppies_now_that_i_ve_got_your_attention_complexity_theory)

### All Words

#### IMPORTANT

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## Session 1: Word List

### universe

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

*synonym*: cosmos, macrocosm

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

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

### tremendous

*adj.* very great in degree or extent or amount or impact; extremely good

*synonym*: enormous, giant, immense

(1) **tremendous** amount, (2) **tremendous** popularity

We had a **tremendous** time yesterday.

### relate

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

*synonym*: connect, link, associate

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

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

## extraordinary

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

*synonym* : exceptional, noteworthy, astonishing

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

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

## 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.

## complicated

*adj.* involving a lot of different things or parts in a way that is difficult to understand or analyze

*synonym* : complex, convoluted, intricate

(1) a **complicated** process, (2) become increasingly **complicated**

He did **complicated** pen-and-ink drawings in just a few days.

## comprise

*v.* to include or consist of something; the act of making up or forming something

*synonym* : consist of, include, be composed of

(1) **comprise** a large percentage, (2) **comprise** the recent past

The team **comprises** players from different countries.

## precise

*adj.* sharply exact or accurate or delimited

*synonym* : accurate, exact, distinct

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

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

## machinery

*n.* a group of large machines or the components of a machine that make it work; social institution functions or structure for doing something

*synonym* : apparatus, appliance, equipment

(1) heavy **machinery**, (2) inactive **machinery**

The **machinery** of audit formally issued a business improvement order.

## opposition

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

*synonym*: resistance, hostility, antagonism

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

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

## interaction

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

*synonym*: dealings, exchange, relations

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

(2) **interaction** among human beings

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

## coherent

*adj.* logical and consistent; (noun) the quality of being clear and easy to understand

*synonym*: logical, consistent, clear

(1) a **coherent** explanation, (2) create a **coherent** system

His writing was well-structured and **coherent**.

## 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.

## individual

*n.* a single person or thing, as distinct from a group

*synonym*: person, being, self

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

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

## emergent

*adj.* starting to exist or view, or to become known

*synonym* : coming, appearing, developing

(1) **emergent** repair of an aorta, (2) an **emergent** republic  
Extensive areas of **emergent** plants are usually called marsh.

## predict

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

*synonym* : forecast, anticipate, foresee

(1) **predict** the future, (2) **predict** when she will arrive  
It's notoriously challenging to **predict** birth rates.

## concrete

*adj.* existing in a physical or material form rather than an abstract one; based on facts rather than ideas or guesses; made of or covered with cement

*synonym* : actual, factual, hardened

(1) a **concrete** noun, (2) **concrete** examples  
The president asked for a more **concrete** plan.

## scot

*n.* a tax or payment, particularly a share or portion of something; a person from Scotland or a Scottish immigrant

*synonym* : tax, charge, toll

(1) pay annual **scot**, (2) traditional **Scot** attire  
The **scot-free** suspect was later apprehended for a different crime.

## disorganize

*v.* to disrupt or destroy the systematic order or function of something

*synonym* : disrupt, demobilize, derange

(1) **disorganized** the party, (2) **disorganize** the whole country  
His betrayal **disorganized** the company completely.

## perturbation

*n.* a state of anxiety, confusion, or disturbance; a deviation or disruption from the normal or expected state

*synonym* : disruption, disturbance, turmoil

(1) seismic **perturbation**, (2) emotional **perturbation**

The unexpected financial crisis caused a **perturbation** in the stock market, leading to widespread panic among investors.

## pinwheel

*n.* a toy consisting of curved and colored paper or plastic that is pinned to a stick and spins when you blow on it; a circular firework that spins round and round, emitting colorful fire

(1) a toy **pinwheel**, (2) **pinwheel** windmill

He spun the **pinwheel**, and it stopped with the pointer on five.

## 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**.

## puppy

*n.* a young dog, usually less than a year old  
*synonym*: dog, young dog, pup

(1) **puppy** in a pet shop, (2) nurse a **puppy**

She adopted a small brown **puppy** from the shelter.

## random

*adj.* made, done, or happening without method, conscious decision, or any regular pattern  
*synonym*: incidental, arbitrary, unanticipated

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

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

## emerge

*v.* to move out of or away from something and become visible  
*synonym*: arise, occur, appear

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

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

## simplify

*v.* to make something more straightforward, more understandable, or easier to do  
*synonym*: streamline, clarify, elucidate

(1) **simplify** my life, (2) **simplify** the process

Please **simplify** your explanation for the children.

## 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.

## physicist

*n.* a scientist who specializes in the field of physics

(1) talented **physicist**, (2) theoretical **physicist**

Einstein was an outstanding and famous **physicist** of the 20th century.

## 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.

## mathematics

*n.* the science dealing with the logic of quantities, shapes, spaces, and arrangement

*synonym*: arithmetic, calculation, calculus

(1) a good grounding in **mathematics**, (2) **mathematics** competition

He has a flair for **mathematics**.

## boundary

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

*synonym*: border, frontier, limitation

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

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

## competence

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

*synonym* : ability, proficiency, skill

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

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

## collaboration

*n.* the act or situation of working together to create or produce something

*synonym* : affiliation, alliance, coalition

(1) **collaboration** between companies, (2) **collaboration** platform

The partnership program requires a mutual **collaboration** between both agencies.

## physics

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

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

He studied the **physics** of radiation.

## electrical

*adj.* relating to electricity

(1) an **electrical** storm, (2) degree in **electrical** engineering

Actuators convert **electrical** pulses into motion.

## 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.

## 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**.

## proceed

v. to move forward or to continue with a process or action; to advance or progress

*synonym*: advance, progress, move ahead

(1) **proceed** with caution, (2) **proceed** to the next step

We can now **proceed** with the next item on our agenda.

## demonstrate

v. to display something or give an exhibition to an interested audience

*synonym*: show, illustrate, display

(1) **demonstrate** a difference, (2) **demonstrate** mastery

How can you **demonstrate** that the earth is a sphere?

## assemble

v. to collect in one place as a single group

*synonym*: gather, congregate, collect

(1) **assemble** your colleagues, (2) **assemble** a jigsaw puzzle

The president began to **assemble** an army.

## grade

n. a particular level of quality, size, importance, etc.

*synonym*: score, rate, degree

(1) boys in the twelfth **grade**, (2) students at all **grade** levels

Departments may set requirements for a higher **grade** point average.

## evaluate

v. to assess or estimate the quality, significance, quantity, or value of something

*synonym*: assess, estimate, consider

(1) **evaluate** the grant proposal, (2) **evaluate** a situation

The meeting aims to **evaluate** possible choices.

## slightly

adv. in a small degree or extent; a little

*synonym*: barely, narrowly, scarcely

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

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



## vision

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

*synonym* : sight, image, concept

(1) a prodigious **vision**, (2) telescopic **vision**

Driving is difficult for me because of my poor **vision**.

## confuse

*v.* to mistake one thing for another; to make somebody hard to understand

*synonym* : confound, obscure, disorient

(1) **confuse** the listener, (2) **confuse** fantasy with reality

Her remarks **confused** the debate.

## destroy

*v.* to ruin or damage severely or completely; to eradicate or eliminate completely

*synonym* : demolish, ruin, obliterate

(1) **destroy** the ecosystem, (2) **destroyed** evidence

The building was **destroyed** in the fire and had to be rebuilt.

## subtle

*adj.* not readily apparent or visible

*synonym* : slight, nuanced, exquisite

(1) **subtle** changes, (2) a **subtle** poison

A famous artist painted the room in a **subtle** pink hue.

## absolutely

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

*synonym* : completely, utterly, definitely

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

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

## unexpected

*adj.* not anticipated or regarded as likely to happen

*synonym* : surprising, unanticipated, incredible

(1) an **unexpected** visitor, (2) some **unexpected** events

The **unexpected** rainstorm caused the collapse of the corral.

## decide

*v.* to make up someone's mind about something; to come to a conclusion or judgment after considering options

*synonym* : choose, determine, settle

(1) **decide** a question, (2) **decide** on a course of action  
She couldn't **decide** whether to order the pizza or the pasta for dinner.

## kingdom

*n.* the country ruled by a king or queen

*synonym* : empire, realm, land

(1) establish his **kingdom**, (2) a subordinate **kingdom**  
By remaining neutral, this **kingdom** continued to exist.

## bat

*n.* a nocturnal animal with wings that flies and feeds at night, similar to a mouse; a piece of wood with a handle used for hitting the ball in sports including baseball, cricket, and table tennis

*synonym* : cane, rod, stick

(1) **bat** cave, (2) **bat** an eye  
The cave was a habitat for **bats**.

## roost

*n.* a place where birds rest or sleep, typically on a branch or in a birdhouse or coop

*synonym* : perch, nest, roosting place

(1) wild **roost**, (2) bird **roost**  
The chickens return to their **roost** at sunset every night.

## maternal

*adj.* relating to or characteristic of a mother; having feelings that are typical of a caring mother towards her child

*synonym* : motherly, maternalistic, maternal-like

(1) on the **maternal** side, (2) **maternal** care  
She had a very **maternal** instinct towards her newborn baby.

## colony

*n.* a country or an area that is governed by a more powerful country that is often far away

*synonym* : settlement, territory, plantation

(1) plant a **colony**, (2) a **colony** of bacteria  
The **colony** declared its independence and became a republic.

## hibernation

*n.* a state of inactivity and metabolic depression in animals during the winter

*synonym* : dormancy, torpor, sleep

(1) **hibernation** period, (2) artificial **hibernation**

Many animals go into **hibernation** during the winter to conserve energy and survive the harsh conditions.

## rear

*adj.* at, toward, or near the back part of something; (verb) to look after a child until it is an adult

*synonym* : back, end, behind

(1) the **rear** gate, (2) **rear** children

The player quickly went to the **rear** side of the defender.

## chip

*n.* a small fragment of something broken off from the whole; a long and thin piece of potato fried in oil or fat

*synonym* : flake, fragment, chunk

(1) a **chip** of wood, (2) I don't care a **chip**

We can use this campaign as a bargaining **chip** in the negotiations.

## equip

*v.* to provide a person or a place with the things that are needed for a particular purpose or activity

*synonym* : prepare, furnish, provide

(1) **equip** an army, (2) **equip** our children with some special skills

The construction company **equipped** the building with an earthquake-resistant device.

## association

*n.* a people or groups of people who have joined in a single organization together for a particular purpose; a social or business connection or relationship

*synonym* : affiliation, collaboration, society

(1) word **associations**, (2) a scholarship **association**

His membership in the **association** provided him with numerous benefits.

## subgroup

*n.* a smaller group within a larger group

*synonym*: subset, division, segment

(1) **subgroup** of the population, (2) patient **subgroup**

The researchers divided the study participants into two **subgroups**.

## 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.

## erratic

*adj.* characterized by lack of consistency, regularity, or predictable behavior; unpredictable or inconsistent in movement, behavior, or quality

*synonym*: unpredictable, irregular, unstable

(1) **erratic** behavior, (2) **erratic** movements

The stock market has been behaving in an **erratic** manner, making it difficult for investors to predict future trends.

## fission

*n.* the splitting of an atomic nucleus into two or smaller nuclei, releasing a large amount of energy; the process of breaking something into smaller parts or pieces

*synonym*: splitting, division, separation

(1) heavy-ion **fission**, (2) atomic **fission**

Nuclear **fission** is the process of splitting an atom into two smaller ones.

## fusion

*n.* the process of combining two or more things to form a single entity

*synonym*: merger, consolidation, amalgamation

(1) heat **fusion**, (2) **fusion** cuisine

Nuclear **fusion** is a process in which atomic nuclei combine to form heavier nuclei.

## dynamics

*n.* the branch of mechanics that deals with the motion of bodies under the action of forces, including the particular case in which a body remains at rest; forces that produce or stimulate movement, growth, or change

*synonym* : mechanics, kinetics, kinematics

(1) **dynamics** of group, (2) **dynamics** of economy

The relationship **dynamics** between the two countries were complex and constantly changing.

## regularly

*adv.* at regular intervals or times

*synonym* : repeatedly, routinely, usually

(1) **regularly** arranged, (2) post **regularly** to a blog

This site **regularly** shares high-quality academic materials.

## merge

*v.* to combine or integrate things, or to cause this to happen

*synonym* : combine, join, coalesce

(1) **merge** into a new party, (2) **merge** those systems into a new one

This consulting firm decided to **merge** the two companies into one.

## extract

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

*synonym* : excerpt, quote, distillation

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

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

## technique

*n.* a particular way or art of doing something that needs skill

*synonym* : approach, procedure, strategy

(1) a **technique** in martial arts, (2) the **technique** applied to construction

Jockey's superior **technique** brought him victory.

## 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.

## nod

*v.* to lower and raise one's head, sometimes several times, as to show approval, agreement, greeting, or confirmation

*synonym*: respond, acknowledge, greet

(1) **nod** at each other, (2) **nod** courteously

She **noded** quietly in response to the question.

## bond

*n.* a close emotional connection between two or more people; a certificate of debt that a government or corporation issues to raise money

*synonym*: bind, adhesion, attachment

(1) **bond** as a family, (2) global **bond** market

They had formed a friendship **bond**.

## communal

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

*synonym*: collaborative, combined, collective

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

**Communal** elections were held in several European countries.

## cryptic

*adj.* having a hidden or obscure meaning or message; mysterious or puzzling in nature

*synonym*: enigmatic, mysterious, obscure

(1) **cryptic** language, (2) **cryptic** crossword

The message was so **cryptic** that I had no idea what it meant.

## hibernate

v. to spend the winter in a state of rest, often in a sheltered place such as a cave or den

*synonym*: sleep, slumber, nap

(1) **hibernate** in the adult stage, (2) **hibernate** for months  
Bears usually **hibernate** during the winter months to conserve energy and stay warm.

## separate

v. to force, take, or pull apart; mark as different

*synonym*: disunite, isolate, ramify

(1) **separate** video into chapter, (2) **separate** cream from milk

We need to **separate** the aspect of his personality from the part of his competence when making an investment decision.

## 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**.

## peanut

n. a type of legume that grows underground and is widely cultivated and consumed as a food source

*synonym*: nut, groundnut, earthnut

(1) **peanut** butter, (2) the seed of a **peanut**

Some people have severe allergies to **peanuts** and must avoid them completely.

## maintain

v. to continue to uphold or sustain; to keep in a particular state or condition; to assert or declare something to be true

*synonym*: preserve, uphold, sustain

(1) **maintain** order, (2) **maintain** good health

I need to **maintain** my car regularly to prevent any major mechanical issues.

## individualize

v. to make something personal or more personal to suit the needs of a particular person, place, etc.

*synonym* : personalize, differentiate

(1) **individualize** each patient, (2) **individualize** dosages  
Our schools offer **individualized** education by excellent teachers.

## primate

*n.* any mammal of the order Primates, which includes monkeys, apes, and humans

*synonym* : ape, monkey, lemur

(1) **primate** species, (2) **primate** sanctuary

Many scientists study **primate** behavior and intelligence.

## dolphin

*n.* a marine mammal that typically has a beaklike snout, a streamlined body, and flippers and that feeds on fish and squid

*synonym* : porpoise, cetacean, marine mammal

(1) **dolphin** show, (2) **dolphin-watching** tour

The large group of **dolphins** swam gracefully in the ocean, jumping out of the water now and then.

## stable

*adj.* firm and steady; not easily moved, disturbed, or changed

*synonym* : sturdy, unmoving, durable

(1) in **stable** condition, (2) have a **stable** job

Relations between the two countries have been relatively **stable** due to the summit meeting.

## cognitive

*adj.* of or relating to mental processes of understanding

*synonym* : perceivable, mind, mental

(1) improve **cognitive** function, (2) research on **cognitive** psychology

His **cognitive** faculties were getting worse because of a lack of sleep.

## virtual

*adj.* being actually such in almost every respect; existing in essence or effect though not in actual fact

*synonym* : practical



(1) a **virtual** image, (2) trading of **virtual** currencies  
She is the **virtual** president of the company.

## nutshell

*n.* the hard, outer covering or protective casing that encloses the kernel or fruit of certain types of nuts, such as walnuts or acorns; a concise and condensed summary or explanation of something

*synonym*: summary, essence, covering

(1) move into a **nutshell**, (2) **nutshell** version

Can you explain your argument in a **nutshell**?

## cohesive

*adj.* causing cohesion; bringing people or things together

*synonym*: sticky, close-knit, well-integrated

(1) **cohesive** ability, (2) highly **cohesive** group

He skillfully combines these fragments into a **cohesive** whole.

## survive

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

*synonym*: endure, persist, stay

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

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

## thrive

*v.* to grow vigorously; to make steady progress

*synonym*: bloom, flourish, prosper

(1) **thrive** in a society, (2) **thrive** on pressure

Without investment, a business cannot **thrive**.

## simplicity

*n.* the quality or condition of being natural and plain or easy to understand or do

*synonym*: easiness, plainness, modesty

(1) a life of **simplicity**, (2) refined **simplicity**

He liked the car because of the **simplicity** of the design.

## resilient

*adj.* able to withstand or recover quickly from difficult conditions

*synonym*: robust, sturdy, tough

(1) a hard and **resilient** steel, (2) **resilient** population  
She is a **resilient** person and has always bounced back from setbacks.

## dramatic

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

*synonym*: striking, theatrical, breathtaking

(1) make **dramatic** changes, (2) a **dramatic** rescue at sea  
The statement had a **dramatic** impact on house prices.

## incredible

*adj.* unbelievable; enormous

*synonym*: unbelievable, fantastical, inconceivable

(1) **incredible** amount, (2) at **incredible** speed  
Her response revealed **incredible** idiocy.

## desert

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

(1) **desert** basin, (2) oasis in the **desert**  
This region is predominantly **desert**.

## meerkat

*n.* a small carnivorous mammal that lives in southern Africa, known for its distinctive upright stance and curious and social behavior, often living in underground burrows in groups

(1) **meerkat** colony, (2) watchful **meerkat**

The famous **meerkat** posture, where they hold their forelegs up and out to the sides, is called "sentinel" behavior and is used to watch for approaching predators.

## fascinating

*adj.* extremely interesting

*synonym*: alluring, intriguing, captivating

(1) **fascinating** story, (2) completely **fascinating** to me  
The museum houses a **fascinating** collection of Celtic artifacts.

## 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.

## strict

*adj.* strongly limiting someone's freedom; allowing no deviation from a standard, rule, belief, etc.

*synonym* : rigorous, inflexible, relentless

(1) **strict** compliance regime, (2) in **strict** secrecy

Too **strict** a regulation for the private sector will stifle innovation.

## hierarchy

*n.* a system in which people or things are organized into different levels of importance from highest to lowest

*synonym* : ranking, order, scale

(1) top of the **hierarchy**, (2) **hierarchy** of folders

She has taken a step up in the organizational **hierarchy**.

## dominant

*adj.* more important, influential, or easy to notice than anything else of the same type

*synonym* : chief, predominant, prevailing

(1) achieve a **dominant** share, (2) **dominant** force

Her company soon won a **dominant** market share.

## subordinate

*adj.* of lower rank or importance, often used to describe a person in a position of inferiority or inferior status; serving as a secondary or supporting element to something else

*synonym* : inferior, secondary, subservient

(1) **subordinate** position, (2) **subordinate** role

The CEO's **subordinate** employees were expected to follow his instructions without question.

## sentinel

*n.* a person or thing that stands guard or keeps watch; a soldier or guard who stands watch to provide security

*synonym* : guard, watchman, lookout

(1) **sentinel** duty, (2) **sentinel** lymph node

The security camera acted as a **sentinel**, monitoring the area for suspicious activity.

## **babysitter**

*n.* a person hired to look after a child or children while the parents are away or occupied; someone who provides temporary care and supervision for children in the absence of their parents or guardians

*synonym*: childcare provider, nanny, nurse

(1) need a trustworthy **babysitter**, (2) experienced **babysitter**

Our regular **babysitter** was sick, so we had to find a replacement at the last minute.

## **pup**

*n.* a young dog, seal, or other animals

*synonym*: puppy, whelp, cub

(1) **pup** company, (2) playful **pup**

The little **pup** was so cute, with big, floppy ears and a wagging tail.

## **collar**

*n.* a band of material worn around the neck, typically forming part of a shirt or jacket; (verb) to grab or catch hold of someone or something

*synonym*: band, neckband

(1) **collar** of a shirt, (2) **collar** of a dog

He put on his **collar** and tie before leaving for work.

## **movement**

*n.* a group of people working together to achieve a shared goal, especially a political, social, or artistic one; the process of moving or being moved, physically or figuratively

*synonym*: motion, progression, action

(1) a circular **movement**, (2) **movement** of troops

The **movement** of the dancers on stage was graceful and elegant.

## reserve

*v.* to keep something for future use or contingency; to obtain or arrange something, such as a meeting, seat, etc., in advance

*synonym* : keep, hold, preserve

(1) **reserve** the right, (2) **reserve** a concert ticket

You can easily **reserve** seats over the telephone.

## sufficient

*adj.* adequate; enough for a particular purpose or requirement

*synonym* : acceptable, ample, satisfactory

(1) **sufficient** time, (2) self- **sufficient** economy

That candidate does not have **sufficient** means to win an election with certainty.

## simplistic

*adj.* oversimplified or lacking in complexity or depth; characterized by an attempt to explain something complex or multifaceted with overly vague or simple terms

*synonym* : basic, uncomplicated, elementary

(1) **simplistic** approach, (2) **simplistic** design

The politician's solution to the problem was too **simplistic** to solve the underlying issue.

## moving

*adj.* causing strong emotions or feelings, especially sadness or sympathy

*synonym* : emotional, poignant, touching

(1) **moving** experience, (2) **moving** ceremony

His **moving** speech about his struggles with addiction brought tears to the audience's eyes.

## particle

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

*synonym* : atom, grain, bit

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

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

## alignment

*n.* an arrangement in which two or more elements are placed in a straight line or parallel to each other

*synonym* : conjunction, arrangement, coalition

(1) **alignment** in an organization, (2) be in **alignment**

In the last century, Britain formed a strong **alignment** with Egypt.

## obstacle

*n.* a thing that blocks one's way or prevents or hinders progress

*synonym* : hindrance, barrier, block

(1) an **obstacle** to progress, (2) **obstacle** avoidance

The **obstacle** course was challenging but fun.

## bounce

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

*synonym* : bound, leap, spring

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

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

## perceive

*v.* to become aware or conscious of something through the senses

*synonym* : sense, discern, feel

(1) **perceive** a threat, (2) **perceive** light

Australia is widely **perceived** as having low levels of corruption.

## observe

*v.* to watch or notice something carefully, often to gather information or insights; to take note of something or someone; to celebrate or commemorate a special event or occasion

*synonym* : watch, monitor, scrutinize

(1) **observe** a tradition, (2) **observe** wildlife

It is important to **observe** safety procedures in the workplace to prevent accidents.

## statistician

*n.* a person who studies or is an expert in statistics

*synonym* : actuary

(1) professional **statisticians**, (2) environmental **statistician**

The firm employs several **statisticians** to develop a recommendation engine.

## obvious

*adj.* easy to see, discover or understand

*synonym*: apparent, conspicuous, evident

(1) **obvious** reasons, (2) his conclusion was **obvious**

There are **obvious** differences between the two wine-producing regions.

## extreme

*adj.* very great in amount or degree

*synonym*: farthestmost, outermost, fierce

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

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

## conclude

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

*synonym*: complete, finish, decide

(1) **conclude** a meeting, (2) **conclude** that he is healthy

We **concluded** a cease-fire.

## courtesy

*n.* polite behavior or remark that shows respect for other people

*synonym*: civility, politeness, respect

(1) **courtesy** call, (2) fail to show **courtesy**

Different cultures have different ways of expressing **courtesy**.

## cohesion

*n.* the act or state of keeping or sticking together

*synonym*: coherence, coherency, cohesiveness

(1) social **cohesion**, (2) the **cohesion** of a team

We gain higher levels of social **cohesion** and stability.

## evolutionary

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

*synonym*: developmental, mutative, transformative

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

**Evolutionary** algorithms can find ways to optimize that humans do not anticipate.

## evolve

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

*synonym*: develop, mature, grow

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

Eyeless fish **evolved** in dark caves.

## tactic

*n.* a method or strategy used to achieve a particular goal or objective

*synonym*: strategy, approach, method

(1) an imprudent **tactic**, (2) alternative **tactic**

The coach implemented a new **tactic** to win the game.

## adapt

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

*synonym*: adjust, acclimate, accustom

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

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

## modern

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

*synonym*: contemporary, stylish, current

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

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

## resist

*v.* to refuse to accept something and attempt to prevent it from happening

*synonym*: fight, defy, revolt

(1) **resist** temptation, (2) **resist** being kissed

I chose to **resist** cancer by trying every possible treatment.

## encroachment

*n.* an act of moving or advancing into someone else's territory or area of control; an invasion or infringement upon someone else's rights or interests



*synonym* : invasion, intrusion, trespass

(1) **encroachment** of territory, (2) **encroachment** on personal rights

The **encroachment** of the new housing development on the wildlife habitat caused concern among environmentalists.

## novel

*n.* an extended fictional work in prose; usually in the form of a story; (adjective) original and of a kind not seen before

*synonym* : fiction, story, (adjective) innovative

(1) historical **novel**, (2) **novel** effect

The **novel** has largely gotten positive feedback.

## adaptation

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

*synonym* : adaption, adjustment, transformation

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

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

## nervous

*adj.* worried and anxious about something; relating to the nerves

*synonym* : neural, anxious, uneasy

(1) development of the **nervous** system, (2) get **nervous**

He suffers from **nervous** breakdowns.

## stereotype

*n.* a fixed and unvarying idea or image that people have about what someone or something is like, but which is often not true in reality and may cause hurt and offense

(1) avoid **stereotype**, (2) negative **stereotypes**

Changing **stereotypes** about LGBTQ requires considerable effort.

## confirm

*v.* to support or establish the truth or certainty of something previously believed or suspected to be the case

*synonym* : affirm, verify, assure

(1) **confirm** the diagnosis, (2) **confirm** a transaction

Please write to **confirm** your reservation.

## regard

*v.* to think about or consider somebody or something in a specified way

*synonym*: consider, see, reckon

(1) **regard** him as an enemy, (2) **regard** the situation as unfortunate

Frugality and industry are still **regarded** as virtues.

## valid

*adj.* having a reasonable basis in logic or fact; still legally or officially acceptable

*synonym*: proper, reasonable, useful

(1) a **valid** contract, (2) a ticket **valid** for two days

Your credit card is no longer **valid**.

## counterexample

*n.* an example that contradicts or disproves a given hypothesis or generalization; evidence or an instance that renders an argument or statement invalid

*synonym*: refutation, counter-instance, disproof

(1) **counterexample** to the theory, (2) mathematical **counterexample**

The student provided a **counterexample** to the teacher's hypothesis, proving it untrue.

## koala

*n.* a small, tree-dwelling marsupial native to Australia with thick, grayish fur, large furry ears, and no tail, which feeds almost exclusively on eucalyptus leaves

(1) **koala** sanctuary, (2) injured **koala**

The population of **koalas** has declined due to habitat loss, disease, and climate change.

## parallel

*adj.* being everywhere equidistant and not intersecting; of or relating to the simultaneous performance of multiple operations

*synonym*: aligned, side-by-side, similar

(1) a **parallel** case, (2) **parallel** processing

He walked a road **parallel** to the railroad.

## Session 2: Spelling

- |                                    |   |
|------------------------------------|---|
| 1. in____ct with one another       | <i>v.</i> to communicate or react with somebody   |
| 2. a good grounding in mat_____cs  | <i>n.</i> the science dealing with the logic of quantities, shapes, spaces, and arrangement   |
| 3. I don't care a c__p             | <i>n.</i> a small fragment of something broken off from the whole; a long and thin piece of potato fried in oil or fat                              |
| 4. inactive ma_____ry              | <i>n.</i> a group of large machines or the components of a machine that make it work; social institution functions or structure for doing something |
| 5. pre-mo___n agricultural society | <i>adj.</i> of or belonging to the present time or recent times   |
| 6. a pa_____el case                | <i>adj.</i> being everywhere equidistant and not intersecting; of or relating to the simultaneous performance of multiple operations                |
| 7. an_____e your real motives      | <i>v.</i> to think about in-depth and evaluate to discover essential features or meaning  |
| 8. al_____nt in an organization    | <i>n.</i> an arrangement in which two or more elements are placed in a straight line or parallel to each other                                      |
| 9. fas_____ng story                | <i>adj.</i> extremely interesting   |
| 10. the r__r gate                  | <i>adj.</i> at, toward, or near the back part of something; (verb) to look after a child until it is an adult                                       |

ANSWERS: 1. interact, 2. mathematics, 3. chip, 4. machinery, 5. modern, 6. parallel, 7. analyze, 8. alignment, 9. fascinating, 10. rear

- |                                 |   |
|---------------------------------|---|
| 11. ob____le avoidance          | <i>n.</i> a thing that blocks one's way or prevents or hinders progress   |
| 12. ob____s reasons             | <i>adj.</i> easy to see, discover or understand   |
| 13. chaotic env____nt           | <i>n.</i> the natural world such as air, water, and land in which humans, animals, and plants live  |
| 14. co____de that he is healthy | <i>v.</i> to come to an end or close; to reach a judgment or opinion by reasoning   |
| 15. permanent br__n damage      | <i>n.</i> the organ inside the head that is responsible for one's movement, thought, memory, and feeling  |
| 16. a hard and re____nt steel   | <i>adj.</i> able to withstand or recover quickly from difficult conditions  |
| 17. ko__a sanctuary             | <i>n.</i> a small, tree-dwelling marsupial native to Australia with thick, grayish fur, large furry ears, and no tail, which feeds almost exclusively on eucalyptus leaves                        |
| 18. word ass____ons             | <i>n.</i> a people or groups of people who have joined in a single organization together for a particular purpose; a social or business connection or relationship                                |
| 19. a prodigious vi____n        | <i>n.</i> the ability to think about or see the future with imagination and intelligence; the faculty of being able to see  |
| 20. a toy pi____el              | <i>n.</i> a toy consisting of curved and colored paper or plastic that is pinned to a stick and spins when you blow on it; a circular firework that spins round and round, emitting colorful fire |

ANSWERS: 11. obstacle, 12. obvious, 13. environment, 14. conclude, 15. brain, 16. resilient, 17. koala, 18. association, 19. vision, 20. pinwheel

21. pr\_\_\_\_t the future      *v.* to state beforehand that something will happen in the future, mainly based on knowledge or experience
22. self-suf\_\_\_\_\_nt economy      *adj.* adequate; enough for a particular purpose or requirement
23. co\_\_\_\_al combination of funds      *adj.* belonging to or used by a group rather than individuals; for common use
24. trading of vi\_\_\_\_l currencies      *adj.* being actually such in almost every respect; existing in essence or effect though not in actual fact
25. an em\_\_\_\_nt republic      *adj.* starting to exist or view, or to become known
26. an une\_\_\_\_\_ed visitor      *adj.* not anticipated or regarded as likely to happen
27. mo\_\_\_\_nt of troops      *n.* a group of people working together to achieve a shared goal, especially a political, social, or artistic one; the process of moving or being moved, physically or figuratively
28. ob\_\_\_\_e a tradition      *v.* to watch or notice something carefully, often to gather information or insights; to take note of something or someone; to celebrate or commemorate a special event or occasion
29. se\_\_\_\_el duty      *n.* a person or thing that stands guard or keeps watch; a soldier or guard who stands watch to provide security
30. wild ro\_\_t      *n.* a place where birds rest or sleep, typically on a branch or in a birdhouse or coop

ANSWERS: 21. predict, 22. sufficient, 23. communal, 24. virtual, 25. emergent, 26. unexpected, 27. movement, 28. observe, 29. sentinel, 30. roost

31. a co\_\_\_\_te noun *adj.* existing in a physical or material form rather than an abstract one; based on facts rather than ideas or guesses; made of or covered with cement
32. as\_\_\_\_le your colleagues *v.* to collect in one place as a single group
33. de\_\_\_\_t basin *n.* arid land with little or no vegetation often covered with sand or rocks
34. su\_\_\_\_e changes *adj.* not readily apparent or visible
35. as\_\_\_\_le a jigsaw puzzle *v.* to collect in one place as a single group
36. bird ro\_\_t *n.* a place where birds rest or sleep, typically on a branch or in a birdhouse or coop
37. eq\_\_p our children with some special skills *v.* to provide a person or a place with the things that are needed for a particular purpose or activity
38. traditional S\_\_t attire *n.* a tax or payment, particularly a share or portion of something; a person from Scotland or a Scottish immigrant
39. boys in the twelfth gr\_\_e *n.* a particular level of quality, size, importance, etc.
40. create a co\_\_\_\_nt system *adj.* logical and consistent; (noun) the quality of being clear and easy to understand
41. tre\_\_\_\_us amount *adj.* very great in degree or extent or amount or impact; extremely good
42. re\_\_\_\_ly arranged *adv.* at regular intervals or times
43. estimate pr\_\_\_\_e costs *adj.* sharply exact or accurate or delimited

ANSWERS: 31. concrete, 32. assemble, 33. desert, 34. subtle, 35. assemble, 36. roost, 37. equip, 38. scot, 39. grade, 40. coherent, 41. tremendous, 42. regularly, 43. precise

44. me\_\_e those systems into a new one      *v.* to combine or integrate things, or to cause this to happen
45. post re\_\_\_\_\_ly to a blog      *adv.* at regular intervals or times
46. in st\_\_\_e condition      *adj.* firm and steady; not easily moved, disturbed, or changed
47. the bo\_\_\_\_\_ry between reality and fantasy      *n.* a real or imaginary line that marks the limit or extent of something and separates it from other things or places
48. the seed of a pe\_\_\_t      *n.* a type of legume that grows underground and is widely cultivated and consumed as a food source
49. ind\_\_\_\_\_ize each patient      *v.* to make something personal or more personal to suit the needs of a particular person, place, etc.
50. re\_\_\_\_\_e a concert ticket      *v.* to keep something for future use or contingency; to obtain or arrange something, such as a meeting, seat, etc., in advance
51. negative ste\_\_\_\_\_pes      *n.* a fixed and unvarying idea or image that people have about what someone or something is like, but which is often not true in reality and may cause hurt and offense
52. co\_\_\_\_\_de a meeting      *v.* to come to an end or close; to reach a judgment or opinion by reasoning
53. re\_\_\_t temptation      *v.* to refuse to accept something and attempt to prevent it from happening
54. com\_\_\_\_\_ty theory      *n.* the state or quality of being complicated or intricate and difficult to understand

ANSWERS: 44. merge, 45. regularly, 46. stable, 47. boundary, 48. peanut, 49. individualize, 50. reserve, 51. stereotype, 52. conclude, 53. resist, 54. complexity

55. ma\_\_\_\_\_in good health      *v.* to continue to uphold or sustain; to keep in a particular state or condition; to assert or declare something to be true
56. make dr\_\_\_\_\_ic changes      *adj.* very sudden, very excellent, or full of action and excitement
57. cr\_\_\_\_\_re of habit      *n.* a living being, especially an animal
58. in st\_\_\_\_t secrecy      *adj.* strongly limiting someone's freedom; allowing no deviation from a standard, rule, belief, etc.
59. get ne\_\_\_\_\_s      *adj.* worried and anxious about something; relating to the nerves
60. evolutionary bi\_\_\_\_\_y      *n.* the scientific study of life and the natural processes of living things
61. ind\_\_\_\_\_ize dosages      *v.* to make something personal or more personal to suit the needs of a particular person, place, etc.
62. do\_\_\_\_\_n-watching tour      *n.* a marine mammal that typically has a beaklike snout, a streamlined body, and flippers and that feeds on fish and squid
63. co\_\_\_\_r of a dog      *n.* a band of material worn around the neck, typically forming part of a shirt or jacket; (verb) to grab or catch hold of someone or something
64. co\_\_\_\_\_e the listener      *v.* to mistake one thing for another; to make somebody hard to understand
65. co\_\_\_\_\_ve ability      *adj.* causing cohesion; bringing people or things together
66. nu\_\_\_\_\_ll version      *n.* the hard, outer covering or protective casing that encloses the kernel or fruit of certain types of nuts, such as walnuts or acorns; a concise and condensed summary or explanation of something

ANSWERS: 55. maintain, 56. dramatic, 57. creature, 58. strict, 59. nervous, 60. biology, 61. individualize, 62. dolphin, 63. collar, 64. confuse, 65. cohesive, 66. nutshell



67. an imprudent ta\_\_\_c *n.* a method or strategy used to achieve a particular goal or objective
68. heavy-ion fi\_\_\_\_n *n.* the splitting of an atomic nucleus into two or smaller nuclei, releasing a large amount of energy; the process of breaking something into smaller parts or pieces
69. st\_\_\_t compliance regime *adj.* strongly limiting someone's freedom; allowing no deviation from a standard, rule, belief, etc.
70. mo\_\_\_n poetry *adj.* of or belonging to the present time or recent times
71. re\_\_\_\_\_nt population *adj.* able to withstand or recover quickly from difficult conditions
72. bo\_\_\_e across the floor *v.* to cause to move up or away after hitting a surface; to spring back
73. laws of ph\_\_\_\_s *n.* the science of matter and energy and their interactions
74. charged pa\_\_\_\_le *n.* a small piece of something; a word or piece of a term with grammatical function but little or no significance
75. de\_\_\_\_y the ecosystem *v.* to ruin or damage severely or completely; to eradicate or eliminate completely
76. a civil en\_\_\_\_er *n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software
77. seismic per\_\_\_\_\_ion *n.* a state of anxiety, confusion, or disturbance; a deviation or disruption from the normal or expected state

ANSWERS: 67. tactic, 68. fission, 69. strict, 70. modern, 71. resilient, 72. bounce, 73. physics, 74. particle, 75. destroy, 76. engineer, 77. perturbation

78. ad\_\_t as needed      *v.* to make fit for or change to suit a new purpose or environment
79. ex\_\_\_\_e sports      *adj.* very great in amount or degree
80. oasis in the de\_\_t      *n.* arid land with little or no vegetation often covered with sand or rocks
81. env\_\_\_\_\_nt affairs      *n.* the natural world such as air, water, and land in which humans, animals, and plants live
82. geographical bo\_\_\_\_ry      *n.* a real or imaginary line that marks the limit or extent of something and separates it from other things or places
83. a ra\_\_\_m choice      *adj.* made, done, or happening without method, conscious decision, or any regular pattern
84. ma\_\_\_\_al care      *adj.* relating to or characteristic of a mother; having feelings that are typical of a caring mother towards her child
85. enc\_\_\_\_\_ent on personal rights      *n.* an act of moving or advancing into someone else's territory or area of control; an invasion or infringement upon someone else's rights or interests
86. nuclear ph\_\_\_\_s      *n.* the science of matter and energy and their interactions
87. em\_\_\_e as a butterfly      *v.* to move out of or away from something and become visible
88. sp\_\_t a reward equally      *v.* to divide, or to make something divide into two or more parts, especially along a particular line

ANSWERS: 78. adapt, 79. extreme, 80. desert, 81. environment, 82. boundary, 83. random, 84. maternal, 85. encroachment, 86. physics, 87. emerge, 88. split

89. cou\_\_\_\_\_ple to the theory *n.* an example that contradicts or disproves a given hypothesis or generalization; evidence or an instance that renders an argument or statement invalid
90. re\_\_\_t being kissed *v.* to refuse to accept something and attempt to prevent it from happening
91. development of the ne\_\_\_\_\_s system *adj.* worried and anxious about something; relating to the nerves
92. com\_\_\_\_\_ce evaluation *n.* the ability to do something well or efficiently; the knowledge, skill, and ability required to perform a task or job effectively
93. 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
94. a co\_\_\_\_\_nt explanation *adj.* logical and consistent; (noun) the quality of being clear and easy to understand
95. establish his ki\_\_\_\_\_m *n.* the country ruled by a king or queen
96. cell and molecular bi\_\_\_\_\_y *n.* the scientific study of life and the natural processes of living things
97. a subordinate ki\_\_\_\_\_m *n.* the country ruled by a king or queen
98. a va\_\_d contract *adj.* having a reasonable basis in logic or fact; still legally or officially acceptable
99. st\_\_\_\_\_re and function of the brain *n.* the way of construction of something and the arrangement of its parts, or a complex thing constructed of many parts

ANSWERS: 89. counterexample, 90. resist, 91. nervous, 92. competence, 93. structure, 94. coherent, 95. kingdom, 96. biology, 97. kingdom, 98. valid, 99. structure

100. research on co\_\_\_\_\_ve psychology     *adj.* of or relating to mental processes of understanding
101. mo\_\_\_g ceremony     *adj.* causing strong emotions or feelings, especially sadness or sympathy
102. at inc\_\_\_\_\_le speed     *adj.* unbelievable; enormous
103. be in al\_\_\_\_\_nt     *n.* an arrangement in which two or more elements are placed in a straight line or parallel to each other
104. the int\_\_\_\_\_on between man and his environment     *n.* the act of connecting with someone, mainly when working, playing, or spending time with them
105. pay annual s\_\_t     *n.* a tax or payment, particularly a share or portion of something; a person from Scotland or a Scottish immigrant
106. pa\_\_\_\_\_le energy     *n.* a small piece of something; a word or piece of a term with grammatical function but little or no significance
107. co\_\_\_\_\_al swimming pool     *adj.* belonging to or used by a group rather than individuals; for common use
108. artificial cr\_\_\_\_\_re     *n.* a living being, especially an animal
109. increase sl\_\_\_\_\_ly     *adv.* in a small degree or extent; a little
110. me\_\_\_\_\_t colony     *n.* a small carnivorous mammal that lives in southern Africa, known for its distinctive upright stance and curious and social behavior, often living in underground burrows in groups
111. col\_\_\_\_\_ion platform     *n.* the act or situation of working together to create or produce something

ANSWERS: 100. cognitive, 101. moving, 102. incredible, 103. alignment, 104. interaction, 105. scot, 106. particle, 107. communal, 108. creature, 109. slightly, 110. meerkat, 111. collaboration

112. dy\_\_\_\_cs of economy *n.* the branch of mechanics that deals with the motion of bodies under the action of forces, including the particular case in which a body remains at rest; forces that produce or stimulate movement, growth, or change
113. plant a co\_\_\_\_y *n.* a country or an area that is governed by a more powerful country that is often far away
114. hi\_\_\_\_\_hy of folders *n.* a system in which people or things are organized into different levels of importance from highest to lowest
115. patient su\_\_\_\_up *n.* a smaller group within a larger group
116. heavy ma\_\_\_\_\_ry *n.* a group of large machines or the components of a machine that make it work; social institution functions or structure for doing something
117. mat\_\_\_\_\_cs competition *n.* the science dealing with the logic of quantities, shapes, spaces, and arrangement
118. ecology and evo\_\_\_\_\_ary biology *adj.* relating to or denoting how living things develop or change from earlier forms
119. en\_\_\_\_er shortage *n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software
120. highly co\_\_\_\_ve group *adj.* causing cohesion; bringing people or things together
121. a su\_\_\_\_e poison *adj.* not readily apparent or visible

ANSWERS: 112. dynamics, 113. colony, 114. hierarchy, 115. subgroup, 116. machinery, 117. mathematics, 118. evolutionary, 119. engineer, 120. cohesive, 121. subtle

122. mo\_\_\_g experience *adj.* causing strong emotions or feelings, especially sadness or sympathy
123. avoid ste\_\_\_\_\_pe *n.* a fixed and unvarying idea or image that people have about what someone or something is like, but which is often not true in reality and may cause hurt and offense
124. ext\_\_\_\_\_ary ability *adj.* exceptional, unexpected, very unusual; surpassing the ordinary or usual
125. co\_\_\_r of a shirt *n.* a band of material worn around the neck, typically forming part of a shirt or jacket; (verb) to grab or catch hold of someone or something
126. r\_\_r children *adj.* at, toward, or near the back part of something; (verb) to look after a child until it is an adult
127. ev\_\_\_e over the past decade *v.* to develop gradually, or to cause the development of something or someone gradually
128. de\_\_\_e a question *v.* to make up someone's mind about something; to come to a conclusion or judgment after considering options
129. re\_\_\_e a story *v.* to establish a connection or association between two or more things; to narrate or tell about an event, experience, or relationship; to empathize or feel sympathy with someone or something
130. me\_\_\_e into a new party *v.* to combine or integrate things, or to cause this to happen

ANSWERS: 122. moving, 123. stereotype, 124. extraordinary, 125. collar, 126. rear, 127. evolve, 128. decide, 129. relate, 130. merge

131. nurse a pu\_\_y *n.* a young dog, usually less than a year old
132. a vi\_\_\_\_l image *adj.* being actually such in almost every respect; existing in essence or effect though not in actual fact
133. chemical pr\_\_\_\_ty *n.* a thing or things that belong to someone
134. watchful me\_\_\_\_t *n.* a small carnivorous mammal that lives in southern Africa, known for its distinctive upright stance and curious and social behavior, often living in underground burrows in groups
135. expansion of the un\_\_\_\_se *n.* everything that exists, especially all physical matter, including planets, stars, galaxies, and all other forms of matter and energy
136. se\_\_\_\_te cream from milk *v.* to force, take, or pull apart; mark as different
137. do\_\_\_\_n show *n.* a marine mammal that typically has a beaklike snout, a streamlined body, and flippers and that feeds on fish and squid
138. bo\_\_\_\_e back from failure *v.* to cause to move up or away after hitting a surface; to spring back
139. theoretical ph\_\_\_\_st *n.* a scientist who specializes in the field of physics
140. a c\_\_p of wood *n.* a small fragment of something broken off from the whole; a long and thin piece of potato fried in oil or fat
141. a com\_\_\_\_ed process *adj.* involving a lot of different things or parts in a way that is difficult to understand or analyze

ANSWERS: 131. puppy, 132. virtual, 133. property, 134. meerkat, 135. universe, 136. separate, 137. dolphin, 138. bounce, 139. physicist, 140. chip, 141. complicated

142. completely fas\_\_\_\_\_ng to me      *adj.* extremely interesting
143. his conclusion was ob\_\_\_\_\_s      *adj.* easy to see, discover or understand
144. ex\_\_\_\_\_e weather events      *adj.* very great in amount or degree
145. co\_\_\_\_\_m a transaction      *v.* to support or establish the truth or certainty of something previously believed or suspected to be the case
146. ev\_\_\_\_\_te the grant proposal      *v.* to assess or estimate the quality, significance, quantity, or value of something
147. re\_\_\_\_\_e a message      *v.* to establish a connection or association between two or more things; to narrate or tell about an event, experience, or relationship; to empathize or feel sympathy with someone or something
148. injured ko\_\_a      *n.* a small, tree-dwelling marsupial native to Australia with thick, grayish fur, large furry ears, and no tail, which feeds almost exclusively on eucalyptus leaves
149. the co\_\_\_\_\_on of a team      *n.* the act or state of keeping or sticking together
150. a life of sim\_\_\_\_\_ty      *n.* the quality or condition of being natural and plain or easy to understand or do
151. move into a nu\_\_\_\_\_ll      *n.* the hard, outer covering or protective casing that encloses the kernel or fruit of certain types of nuts, such as walnuts or acorns; a concise and condensed summary or explanation of something
152. become increasingly com\_\_\_\_\_ed      *adj.* involving a lot of different things or parts in a way that is difficult to understand or analyze

ANSWERS: 142. fascinating, 143. obvious, 144. extreme, 145. confirm, 146. evaluate, 147. relate, 148. koala, 149. cohesion, 150. simplicity, 151. nutshell, 152. complicated



153. pe\_\_\_\_ve light *v.* to become aware or conscious of something through the senses
154. cr\_\_\_\_c crossword *adj.* having a hidden or obscure meaning or message; mysterious or puzzling in nature
155. cognitive com\_\_\_\_ty *n.* the state or quality of being complicated or intricate and difficult to understand
156. need a trustworthy bab\_\_\_\_er *n.* a person hired to look after a child or children while the parents are away or occupied; someone who provides temporary care and supervision for children in the absence of their parents or guardians
157. global b\_\_d market *n.* a close emotional connection between two or more people; a certificate of debt that a government or corporation issues to raise money
158. social co\_\_\_\_on *n.* the act or state of keeping or sticking together
159. an ob\_\_\_\_le to progress *n.* a thing that blocks one's way or prevents or hinders progress
160. a circular mo\_\_\_\_nt *n.* a group of people working together to achieve a shared goal, especially a political, social, or artistic one; the process of moving or being moved, physically or figuratively
161. su\_\_\_\_e a plane crash *v.* to live or exist despite a dangerous event or period
162. the te\_\_\_\_ue applied to construction *n.* a particular way or art of doing something that needs skill

ANSWERS: 153. perceive, 154. cryptic, 155. complexity, 156. babysitter, 157. bond, 158. cohesion, 159. obstacle, 160. movement, 161. survive, 162. technique

163. ext\_\_\_\_\_ary weather *adj.* exceptional, unexpected, very unusual; surpassing the ordinary or usual
164. pr\_\_\_\_\_d to the next step *v.* to move forward or to continue with a process or action; to advance or progress
165. re\_\_\_\_d him as an enemy *v.* to think about or consider somebody or something in a specified way
166. improve co\_\_\_\_\_ve function *adj.* of or relating to mental processes of understanding
167. b\_t an eye *n.* a nocturnal animal with wings that flies and feeds at night, similar to a mouse; a piece of wood with a handle used for hitting the ball in sports including baseball, cricket, and table tennis
168. pr\_\_\_\_\_e sanctuary *n.* any mammal of the order Primates, which includes monkeys, apes, and humans
169. top of the hi\_\_\_\_\_hy *n.* a system in which people or things are organized into different levels of importance from highest to lowest
170. ind\_\_\_\_\_al freedom *n.* a single person or thing, as distinct from a group
171. dy\_\_\_\_\_cs of group *n.* the branch of mechanics that deals with the motion of bodies under the action of forces, including the particular case in which a body remains at rest; forces that produce or stimulate movement, growth, or change
172. theory of the un\_\_\_\_\_se *n.* everything that exists, especially all physical matter, including planets, stars, galaxies, and all other forms of matter and energy

ANSWERS: 163. extraordinary, 164. proceed, 165. regard, 166. cognitive, 167. bat, 168. primate, 169. hierarchy, 170. individual, 171. dynamics, 172. universe

173. telescopic vi\_\_\_n                      *n.* the ability to think about or see the future with imagination and intelligence; the faculty of being able to see
174. pr\_\_\_\_\_t when she will arrive                      *v.* to state beforehand that something will happen in the future, mainly based on knowledge or experience
175. b\_t cave                      *n.* a nocturnal animal with wings that flies and feeds at night, similar to a mouse; a piece of wood with a handle used for hitting the ball in sports including baseball, cricket, and table tennis
176. sub\_\_\_\_\_te position                      *adj.* of lower rank or importance, often used to describe a person in a position of inferiority or inferior status; serving as a secondary or supporting element to something else
177. ada\_\_\_\_\_on ability                      *n.* the action or process of changing to suit different conditions
178. se\_\_\_\_\_te video into chapter                      *v.* to force, take, or pull apart; mark as different
179. ob\_\_\_\_\_e wildlife                      *v.* to watch or notice something carefully, often to gather information or insights; to take note of something or someone; to celebrate or commemorate a special event or occasion
180. sim\_\_\_\_\_ic design                      *adj.* oversimplified or lacking in complexity or depth; characterized by an attempt to explain something complex or multifaceted with overly vague or simple terms

ANSWERS: 173. vision, 174. predict, 175. bat, 176. subordinate, 177. adaptation, 178. separate, 179. observe, 180. simplistic

181. a man of pr\_\_\_\_ty *n.* a thing or things that belong to someone
182. pr\_\_\_\_e analyses *adj.* sharply exact or accurate or delimited
183. botanical ex\_\_\_\_t *n.* a short passage taken from a book, piece of music, etc.; a substance obtained from something through a specific process; (verb) to obtain from something or to remove something by effort or force
184. no\_\_l effect *n.* an extended fictional work in prose; usually in the form of a story; (adjective) original and of a kind not seen before
185. pr\_\_\_\_e species *n.* any mammal of the order Primates, which includes monkeys, apes, and humans
186. cr\_\_\_\_c language *adj.* having a hidden or obscure meaning or message; mysterious or puzzling in nature
187. sim\_\_\_\_ic approach *adj.* oversimplified or lacking in complexity or depth; characterized by an attempt to explain something complex or multifaceted with overly vague or simple terms
188. pu\_\_y in a pet shop *n.* a young dog, usually less than a year old
189. pa\_\_\_\_el processing *adj.* being everywhere equidistant and not intersecting; of or relating to the simultaneous performance of multiple operations

ANSWERS: 181. property, 182. precise, 183. extract, 184. novel, 185. primate, 186. cryptic, 187. simplistic, 188. puppy, 189. parallel

190. co\_\_\_\_\_e fantasy with reality      *v.* to mistake one thing for another; to make somebody hard to understand
191. a brief ex\_\_\_\_\_t from the book      *n.* a short passage taken from a book, piece of music, etc.; a substance obtained from something through a specific process; (verb) to obtain from something or to remove something by effort or force
192. meet with opp\_\_\_\_\_on      *n.* the act of disagreeing or resisting; the state of strong disagreement
193. a dr\_\_\_\_\_ic rescue at sea      *adj.* very sudden, very excellent, or full of action and excitement
194. experienced bab\_\_\_\_\_er      *n.* a person hired to look after a child or children while the parents are away or occupied; someone who provides temporary care and supervision for children in the absence of their parents or guardians
195. sub\_\_\_\_\_te role      *adj.* of lower rank or importance, often used to describe a person in a position of inferiority or inferior status; serving as a secondary or supporting element to something else
196. some une\_\_\_\_\_ed events      *adj.* not anticipated or regarded as likely to happen
197. a co\_\_\_\_\_y of bacteria      *n.* a country or an area that is governed by a more powerful country that is often far away
198. dem\_\_\_\_\_te a difference      *v.* to display something or give an exhibition to an interested audience

ANSWERS: 190. confuse, 191. extract, 192. opposition, 193. dramatic, 194. babysitter, 195. subordinate, 196. unexpected, 197. colony, 198. demonstrate

199. opp\_\_\_\_\_on campaign *n.* the act of disagreeing or resisting; the state of strong disagreement
200. bombs fell at ra\_\_\_m *adj.* made, done, or happening without method, conscious decision, or any regular pattern
201. col\_\_\_\_\_ion between companies *n.* the act or situation of working together to create or produce something
202. fail to show co\_\_\_\_\_sy *n.* polite behavior or remark that shows respect for other people
203. si\_\_\_\_\_fy my life *v.* to make something more straightforward, more understandable, or easier to do
204. have a st\_\_\_e job *adj.* firm and steady; not easily moved, disturbed, or changed
205. pe\_\_\_\_\_ve a threat *v.* to become aware or conscious of something through the senses
206. th\_\_\_e on pressure *v.* to grow vigorously; to make steady progress
207. n\_d courteously *v.* to lower and raise one's head, sometimes several times, as to show approval, agreement, greeting, or confirmation
208. playful p\_p *n.* a young dog, seal, or other animals
209. ev\_\_\_\_\_te a situation *v.* to assess or estimate the quality, significance, quantity, or value of something
210. inc\_\_\_\_\_le amount *adj.* unbelievable; enormous
211. em\_\_\_\_\_nt repair of an aorta *adj.* starting to exist or view, or to become known

ANSWERS: 199. opposition, 200. random, 201. collaboration, 202. courtesy, 203. simplify, 204. stable, 205. perceive, 206. thrive, 207. nod, 208. pup, 209. evaluate, 210. incredible, 211. emergent

212. a scholarship ass\_\_\_\_\_on      *n.* a people or groups of people who have joined in a single organization together for a particular purpose; a social or business connection or relationship
213. a ticket va\_\_d for two days      *adj.* having a reasonable basis in logic or fact; still legally or officially acceptable
214. hi\_\_\_\_\_te in the adult stage      *v.* to spend the winter in a state of rest, often in a sheltered place such as a cave or den
215. su\_\_\_\_\_e a blizzard      *v.* to live or exist despite a dangerous event or period
216. fu\_\_\_\_n cuisine      *n.* the process of combining two or more things to form a single entity
217. basic br\_\_n function      *n.* the organ inside the head that is responsible for one's movement, thought, memory, and feeling
218. an ele\_\_\_\_\_al storm      *adj.* relating to electricity
219. hib\_\_\_\_\_on period      *n.* a state of inactivity and metabolic depression in animals during the winter
220. em\_\_\_\_e from poverty      *v.* to move out of or away from something and become visible
221. dis\_\_\_\_\_zed the party      *v.* to disrupt or destroy the systematic order or function of something
222. refined sim\_\_\_\_\_ty      *n.* the quality or condition of being natural and plain or easy to understand or do
223. re\_\_\_\_d the situation as unfortunate      *v.* to think about or consider somebody or something in a specified way
224. proven com\_\_\_\_\_ce      *n.* the ability to do something well or efficiently; the knowledge, skill, and ability required to perform a task or job effectively

ANSWERS: 212. association, 213. valid, 214. hibernate, 215. survive, 216. fusion, 217. brain, 218. electrical, 219. hibernation, 220. emerge, 221. disorganize, 222. simplicity, 223. regard, 224. competence

225. er\_\_\_\_c behavior *adj.* characterized by lack of consistency, regularity, or predictable behavior; unpredictable or inconsistent in movement, behavior, or quality
226. de\_\_\_\_yed evidence *v.* to ruin or damage severely or completely; to eradicate or eliminate completely
227. de\_\_\_e on a course of action *v.* to make up someone's mind about something; to come to a conclusion or judgment after considering options
228. er\_\_\_\_c movements *adj.* characterized by lack of consistency, regularity, or predictable behavior; unpredictable or inconsistent in movement, behavior, or quality
229. co\_\_\_\_se a large percentage *v.* to include or consist of something; the act of making up or forming something
230. on the ma\_\_\_\_al side *adj.* relating to or characteristic of a mother; having feelings that are typical of a caring mother towards her child
231. suf\_\_\_\_nt time *adj.* adequate; enough for a particular purpose or requirement
232. alternative ta\_\_\_\_c *n.* a method or strategy used to achieve a particular goal or objective
233. ma\_\_\_\_in order *v.* to continue to uphold or sustain; to keep in a particular state or condition; to assert or declare something to be true
234. ad\_\_t fully to the environment *v.* to make fit for or change to suit a new purpose or environment
235. mathematical cou\_\_\_\_\_ple *n.* an example that contradicts or disproves a given hypothesis or generalization; evidence or an instance that renders an argument or statement invalid

ANSWERS: 225. erratic, 226. destroy, 227. decide, 228. erratic, 229. comprise, 230. maternal, 231. sufficient, 232. tactic, 233. maintain, 234. adapt, 235. counterexample



236. do\_\_\_\_\_nt force *adj.* more important, influential, or easy to notice than anything else of the same type
237. pi\_\_\_\_\_el windmill *n.* a toy consisting of curved and colored paper or plastic that is pinned to a stick and spins when you blow on it; a circular firework that spins round and round, emitting colorful fire
238. achieve a do\_\_\_\_\_nt share *adj.* more important, influential, or easy to notice than anything else of the same type
239. students at all gr\_\_\_e levels *n.* a particular level of quality, size, importance, etc.
240. re\_\_\_\_\_e the right *v.* to keep something for future use or contingency; to obtain or arrange something, such as a meeting, seat, etc., in advance
241. language ada\_\_\_\_\_on *n.* the action or process of changing to suit different conditions
242. eq\_\_\_p an army *v.* to provide a person or a place with the things that are needed for a particular purpose or activity
243. a private ind\_\_\_\_\_al *n.* a single person or thing, as distinct from a group
244. n\_d at each other *v.* to lower and raise one's head, sometimes several times, as to show approval, agreement, greeting, or confirmation
245. atomic fi\_\_\_\_\_n *n.* the splitting of an atomic nucleus into two or smaller nuclei, releasing a large amount of energy; the process of breaking something into smaller parts or pieces

ANSWERS: 236. dominant, 237. pinwheel, 238. dominant, 239. grade, 240. reserve, 241. adaptation, 242. equip, 243. individual, 244. nod, 245. fission

246. emotional per\_\_\_\_\_ion *n.* a state of anxiety, confusion, or disturbance; a deviation or disruption from the normal or expected state
247. se\_\_\_\_\_el lymph node *n.* a person or thing that stands guard or keeps watch; a soldier or guard who stands watch to provide security
248. talented ph\_\_\_\_\_st *n.* a scientist who specializes in the field of physics
249. abs\_\_\_\_\_ly obsessed with the girl *adv.* without restriction or limitation; completely or utterly
250. b\_\_d as a family *n.* a close emotional connection between two or more people; a certificate of debt that a government or corporation issues to raise money
251. pe\_\_\_t butter *n.* a type of legume that grows underground and is widely cultivated and consumed as a food source
252. hi\_\_\_\_\_te for months *v.* to spend the winter in a state of rest, often in a sheltered place such as a cave or den
253. environmental sta\_\_\_\_\_ian *n.* a person who studies or is an expert in statistics
254. tre\_\_\_\_\_us popularity *adj.* very great in degree or extent or amount or impact; extremely good
255. abs\_\_\_\_\_ly against *adv.* without restriction or limitation; completely or utterly
256. a te\_\_\_\_\_ue in martial arts *n.* a particular way or art of doing something that needs skill
257. th\_\_\_e in a society *v.* to grow vigorously; to make steady progress

ANSWERS: 246. perturbation, 247. sentinel, 248. physicist, 249. absolutely, 250. bond, 251. peanut, 252. hibernate, 253. statistician, 254. tremendous, 255. absolutely, 256. technique, 257. thrive

258. pr\_\_\_\_\_d with caution      *v.* to move forward or to continue with a process or action; to advance or progress
259. degree in ele\_\_\_\_\_al engineering      *adj.* relating to electricity
260. co\_\_\_\_\_sy call      *n.* polite behavior or remark that shows respect for other people
261. historical no\_\_\_l      *n.* an extended fictional work in prose; usually in the form of a story; (adjective) original and of a kind not seen before
262. sp\_\_\_t a bill      *v.* to divide, or to make something divide into two or more parts, especially along a particular line
263. co\_\_\_\_\_te examples      *adj.* existing in a physical or material form rather than an abstract one; based on facts rather than ideas or guesses; made of or covered with cement
264. an\_\_\_\_\_e a chemical compound      *v.* to think about in-depth and evaluate to discover essential features or meaning
265. in\_\_\_\_\_ct directly with customers      *v.* to communicate or react with somebody
266. enc\_\_\_\_\_ent of territory      *n.* an act of moving or advancing into someone else's territory or area of control; an invasion or infringement upon someone else's rights or interests
267. heat fu\_\_\_n      *n.* the process of combining two or more things to form a single entity
268. su\_\_\_\_\_up of the population      *n.* a smaller group within a larger group
269. co\_\_\_\_\_m the diagnosis      *v.* to support or establish the truth or certainty of something previously believed or suspected to be the case

ANSWERS: 258. proceed, 259. electrical, 260. courtesy, 261. novel, 262. split, 263. concrete, 264. analyze, 265. interact, 266. encroachment, 267. fusion, 268. subgroup, 269. confirm

270. professional sta\_\_\_\_\_ians *n.* a person who studies or is an expert in statistics
271. dem\_\_\_\_\_te mastery *v.* to display something or give an exhibition to an interested audience
272. si\_\_\_\_\_fy the process *v.* to make something more straightforward, more understandable, or easier to do
273. sl\_\_\_\_\_ly alkaline soils *adv.* in a small degree or extent; a little
274. the evo\_\_\_\_\_ary process *adj.* relating to or denoting how living things develop or change from earlier forms
275. int\_\_\_\_\_on among human beings *n.* the act of connecting with someone, mainly when working, playing, or spending time with them
276. dis\_\_\_\_\_ze the whole country *v.* to disrupt or destroy the systematic order or function of something
277. p\_p company *n.* a young dog, seal, or other animals
278. co\_\_\_\_\_se the recent past *v.* to include or consist of something; the act of making up or forming something
279. ev\_\_\_\_\_e *v.* to develop gradually, or to cause the development of something or someone gradually
280. artificial hib\_\_\_\_\_on *n.* a state of inactivity and metabolic depression in animals during the winter

ANSWERS: 270. statistician, 271. demonstrate, 272. simplify, 273. slightly, 274. evolutionary, 275. interaction, 276. disorganize, 277. pup, 278. comprise, 279. evolve, 280. hibernation

## Session 3: Fill in the Blanks

1. Her remarks \_\_\_\_\_ the debate.  
*v.* to mistake one thing for another; to make somebody hard to understand
2. Frugality and industry are still \_\_\_\_\_ as virtues.  
*v.* to think about or consider somebody or something in a specified way
3. She is a \_\_\_\_\_ person and has always bounced back from setbacks.  
*adj.* able to withstand or recover quickly from difficult conditions
4. The stock market has been behaving in an \_\_\_\_\_ manner, making it difficult for investors to predict future trends.  
*adj.* characterized by lack of consistency, regularity, or predictable behavior; unpredictable or inconsistent in movement, behavior, or quality
5. The construction company \_\_\_\_\_ the building with an earthquake-resistant device.  
*v.* to provide a person or a place with the things that are needed for a particular purpose or activity
6. 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
7. A famous artist painted the room in a \_\_\_\_\_ pink hue.  
*adj.* not readily apparent or visible
8. The famous \_\_\_\_\_ posture, where they hold their forelegs up and out to the sides, is called "sentinel" behavior and is used to watch for approaching predators.  
*n.* a small carnivorous mammal that lives in southern Africa, known for its distinctive upright stance and curious and social behavior, often living in underground burrows in groups

ANSWERS: 1. confused, 2. regarded, 3. resilient, 4. erratic, 5. equipped, 6. complexity, 7. subtle, 8. meerkat

9. The team \_\_\_\_\_ players from different countries.  
*v.* to include or consist of something; the act of making up or forming something
10. It is important to \_\_\_\_\_ safety procedures in the workplace to prevent accidents.  
*v.* to watch or notice something carefully, often to gather information or insights; to take note of something or someone; to celebrate or commemorate a special event or occasion
11. The researchers divided the study participants into two \_\_\_\_\_.  
*n.* a smaller group within a larger group
12. We \_\_\_\_\_ a cease-fire.  
*v.* to come to an end or close; to reach a judgment or opinion by reasoning
13. You can easily \_\_\_\_\_ seats over the telephone.  
*v.* to keep something for future use or contingency; to obtain or arrange something, such as a meeting, seat, etc., in advance
14. He wandered the \_\_\_\_\_ between life and death by gunfire.  
*n.* a real or imaginary line that marks the limit or extent of something and separates it from other things or places
15. This region is predominantly \_\_\_\_\_.  
*n.* arid land with little or no vegetation often covered with sand or rocks
16. Many animals go into \_\_\_\_\_ during the winter to conserve energy and survive the harsh conditions.  
*n.* a state of inactivity and metabolic depression in animals during the winter

ANSWERS: 9. comprises, 10. observe, 11. subgroups, 12. concluded, 13. reserve, 14. boundary, 15. desert, 16. hibernation

17. His betrayal \_\_\_\_\_ the company completely.  
*v.* to disrupt or destroy the systematic order or function of something
18. Different cultures have different ways of expressing \_\_\_\_\_.  
*n.* polite behavior or remark that shows respect for other people
19. Extensive areas of \_\_\_\_\_ plants are usually called marsh.  
*adj.* starting to exist or view, or to become known
20. We can now \_\_\_\_\_ with the next item on our agenda.  
*v.* to move forward or to continue with a process or action; to advance or progress
21. Changing \_\_\_\_\_ about LGBTQ requires considerable effort.  
*n.* a fixed and unvarying idea or image that people have about what someone or something is like, but which is often not true in reality and may cause hurt and offense
22. He put on his \_\_\_\_\_ and tie before leaving for work.  
*n.* a band of material worn around the neck, typically forming part of a shirt or jacket; (verb) to grab or catch hold of someone or something
23. Our schools offer \_\_\_\_\_ education by excellent teachers.  
*v.* to make something personal or more personal to suit the needs of a particular person, place, etc.
24. He suffers from \_\_\_\_\_ breakdowns.  
*adj.* worried and anxious about something; relating to the nerves
25. She couldn't \_\_\_\_\_ whether to order the pizza or the pasta for dinner.  
*v.* to make up someone's mind about something; to come to a conclusion or judgment after considering options

ANSWERS: 17. disorganized, 18. courtesy, 19. emergent, 20. proceed, 21. stereotypes, 22. collar, 23. individualized, 24. nervous, 25. decide

26. 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
27. The \_\_\_\_\_ of the dancers on stage was graceful and elegant.
- n.* a group of people working together to achieve a shared goal, especially a political, social, or artistic one; the process of moving or being moved, physically or figuratively
28. These birds can only \_\_\_\_\_ in temperate climates.
- v.* to live or exist despite a dangerous event or period
29. How can you \_\_\_\_\_ that the earth is a sphere?
- v.* to display something or give an exhibition to an interested audience
30. She adopted a small brown \_\_\_\_\_ from the shelter.
- n.* a young dog, usually less than a year old
31. 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
32. We can calculate the position of the \_\_\_\_\_ statistically.
- n.* a small piece of something; a word or piece of a term with grammatical function but little or no significance
33. I am \_\_\_\_\_ opposed to his idea because of morality.
- adv.* without restriction or limitation; completely or utterly

ANSWERS: 26. environment, 27. movement, 28. survive, 29. demonstrate, 30. puppy, 31. brain, 32. particles, 33. absolutely



34. We can use this campaign as a bargaining \_\_\_\_\_ in the negotiations.  
*n.* a small fragment of something broken off from the whole; a long and thin piece of potato fried in oil or fat
35. The teacher attempted to \_\_\_\_\_ the root cause of our mistake.  
*v.* to think about in-depth and evaluate to discover essential features or meaning
36. Many scientists study \_\_\_\_\_ behavior and intelligence.  
*n.* any mammal of the order Primates, which includes monkeys, apes, and humans
37. Departments may set requirements for a higher \_\_\_\_\_ point average.  
*n.* a particular level of quality, size, importance, etc.
38. Jockey's superior \_\_\_\_\_ brought him victory.  
*n.* a particular way or art of doing something that needs skill
39. As an \_\_\_\_\_ he had the right to make his own decisions and live his life as he saw fit.  
*n.* a single person or thing, as distinct from a group
40. The content is \_\_\_\_\_ and informative for me.  
*adj.* sharply exact or accurate or delimited
41. We had a \_\_\_\_\_ time yesterday.  
*adj.* very great in degree or extent or amount or impact; extremely good
42. Some people have severe allergies to \_\_\_\_\_ and must avoid them completely.  
*n.* a type of legume that grows underground and is widely cultivated and consumed as a food source

ANSWERS: 34. chip, 35. analyze, 36. primate, 37. grade, 38. technique, 39. individual, 40. precise, 41. tremendous, 42. peanuts

43. Nuclear \_\_\_\_\_ is a process in which atomic nuclei combine to form heavier nuclei.

*n.* the process of combining two or more things to form a single entity

44. That candidate does not have \_\_\_\_\_ means to win an election with certainty.

*adj.* adequate; enough for a particular purpose or requirement

45. He spun the \_\_\_\_\_ and it stopped with the pointer on five.

*n.* a toy consisting of curved and colored paper or plastic that is pinned to a stick and spins when you blow on it; a circular firework that spins round and round, emitting colorful fire

46. Relations between the two countries have been relatively \_\_\_\_\_ due to the summit meeting.

*adj.* firm and steady; not easily moved, disturbed, or changed

47. I advised him to \_\_\_\_\_ to his new surroundings.

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

48. The president asked for a more \_\_\_\_\_ plan.

*adj.* existing in a physical or material form rather than an abstract one; based on facts rather than ideas or guesses; made of or covered with cement

49. The company is looking for candidates with the necessary \_\_\_\_\_ and skills.

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

50. Australia is widely \_\_\_\_\_ as having low levels of corruption.

*v.* to become aware or conscious of something through the senses

ANSWERS: 43. fusion, 44. sufficient, 45. pinwheel, 46. stable, 47. adapt, 48. concrete, 49. competence, 50. perceived

51. He studied the \_\_\_\_\_ of radiation.

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

52. I chose to \_\_\_\_\_ cancer by trying every possible treatment.

*v.* to refuse to accept something and attempt to prevent it from happening

53. They had formed a friendship \_\_\_\_\_.

*n.* a close emotional connection between two or more people; a certificate of debt that a government or corporation issues to raise money

54. The firm employs several \_\_\_\_\_ to develop a recommendation engine.

*n.* a person who studies or is an expert in statistics

55. She had a very \_\_\_\_\_ instinct towards her newborn baby.

*adj.* relating to or characteristic of a mother; having feelings that are typical of a caring mother towards her child

56. His writing was well-structured and \_\_\_\_\_.

*adj.* logical and consistent; (noun) the quality of being clear and easy to understand

57. The student provided a \_\_\_\_\_ to the teacher's hypothesis, proving it untrue.

*n.* an example that contradicts or disproves a given hypothesis or generalization; evidence or an instance that renders an argument or statement invalid

58. His \_\_\_\_\_ speech about his struggles with addiction brought tears to the audience's eyes.

*adj.* causing strong emotions or feelings, especially sadness or sympathy

ANSWERS: 51. physics, 52. resist, 53. bond, 54. statisticians, 55. maternal, 56. coherent, 57. counterexample, 58. moving

59. The chickens return to their \_\_\_\_\_ at sunset every night.

*n.* a place where birds rest or sleep, typically on a branch or in a birdhouse or coop

60. He stood to inherit a million-dollar \_\_\_\_\_.

*n.* a thing or things that belong to someone

61. He skillfully combines these fragments into a \_\_\_\_\_ whole.

*adj.* causing cohesion; bringing people or things together

62. This consulting firm decided to \_\_\_\_\_ the two companies into one.

*v.* to combine or integrate things, or to cause this to happen

63. Can you explain your argument in a \_\_\_\_\_

*n.* the hard, outer covering or protective casing that encloses the kernel or fruit of certain types of nuts, such as walnuts or acorns; a concise and condensed summary or explanation of something

64. The building was \_\_\_\_\_ in the fire and had to be rebuilt.

*v.* to ruin or damage severely or completely; to eradicate or eliminate completely

65. The security camera acted as a \_\_\_\_\_ monitoring the area for suspicious activity.

*n.* a person or thing that stands guard or keeps watch; a soldier or guard who stands watch to provide security

66. They will \_\_\_\_\_ between various emotional states.

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

ANSWERS: 59. roost, 60. property, 61. cohesive, 62. merge, 63. nutshell?, 64. destroyed, 65. sentinel, 66. bounce

67. The museum houses a \_\_\_\_\_ collection of Celtic artifacts.

*adj.* extremely interesting

68. We need to \_\_\_\_\_ the aspect of his personality from the part of his competence when making an investment decision.

*v.* to force, take, or pull apart; mark as different

69. Actuators convert \_\_\_\_\_ pulses into motion.

*adj.* relating to electricity

70. Eyeless fish \_\_\_\_\_ in dark caves.

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

71. Her response revealed \_\_\_\_\_ idiocy.

*adj.* unbelievable; enormous

72. The \_\_\_\_\_ of the new housing development on the wildlife habitat caused concern among environmentalists.

*n.* an act of moving or advancing into someone else's territory or area of control; an invasion or infringement upon someone else's rights or interests

73. The coach implemented a new \_\_\_\_\_ to win the game.

*n.* a method or strategy used to achieve a particular goal or objective

74. He liked the car because of the \_\_\_\_\_ of the design.

*n.* the quality or condition of being natural and plain or easy to understand or do

75. The deep sea \_\_\_\_\_ was unlike anything the scientists had ever seen before.

*n.* a living being, especially an animal

ANSWERS: 67. fascinating, 68. separate, 69. electrical, 70. evolved, 71. incredible, 72. encroachment, 73. tactic, 74. simplicity, 75. creature

76. 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
77. The \_\_\_\_\_ of the two groups is good for brainstorming.
- n.* the act of connecting with someone, mainly when working, playing, or spending time with them
78. The politician's solution to the problem was too \_\_\_\_\_ to solve the underlying issue.
- adj.* oversimplified or lacking in complexity or depth; characterized by an attempt to explain something complex or multifaceted with overly vague or simple terms
79. The \_\_\_\_\_ will repair my telephone tomorrow morning.
- n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software
80. Nuclear \_\_\_\_\_ is the process of splitting an atom into two smaller ones.
- n.* the splitting of an atomic nucleus into two or smaller nuclei, releasing a large amount of energy; the process of breaking something into smaller parts or pieces
81. The \_\_\_\_\_ is about 13.8 billion years old.
- n.* everything that exists, especially all physical matter, including planets, stars, galaxies, and all other forms of matter and energy
82. The \_\_\_\_\_ of audit formally issued a business improvement order.
- n.* a group of large machines or the components of a machine that make it work; social institution functions or structure for doing something

ANSWERS: 76. split, 77. interaction, 78. simplistic, 79. engineer, 80. fission, 81. universe, 82. machinery

83. The \_\_\_\_\_ course was challenging but fun.

*n.* a thing that blocks one's way or prevents or hinders progress

84. The population of \_\_\_\_\_ has declined due to habitat loss, disease, and climate change.

*n.* a small, tree-dwelling marsupial native to Australia with thick, grayish fur, large furry ears, and no tail, which feeds almost exclusively on eucalyptus leaves

85. The \_\_\_\_\_ rainstorm caused the collapse of the corral.

*adj.* not anticipated or regarded as likely to happen

86. The \_\_\_\_\_ suspect was later apprehended for a different crime.

*n.* a tax or payment, particularly a share or portion of something; a person from Scotland or a Scottish immigrant

87. Her company soon won a \_\_\_\_\_ market share.

*adj.* more important, influential, or easy to notice than anything else of the same type

88. There are \_\_\_\_\_ differences between the two wine-producing regions.

*adj.* easy to see, discover or understand

89. He moved his body \_\_\_\_\_ to the left.

*adv.* in a small degree or extent; a little

90. Solar gravity creates \_\_\_\_\_ pressures and temperatures.

*adj.* very great in amount or degree

91. He narrated the \_\_\_\_\_ story of his adventure.

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

ANSWERS: 83. obstacle, 84. koalas, 85. unexpected, 86. scot-free, 87. dominant, 88. obvious, 89. slightly, 90. extreme, 91. extraordinary

92. In the last century, Britain formed a strong \_\_\_\_\_ with Egypt.
- n.* an arrangement in which two or more elements are placed in a straight line or parallel to each other
93. Anesthetize the gum before \_\_\_\_\_ the teeth.
- n.* a short passage taken from a book, piece of music, etc.; a substance obtained from something through a specific process; (verb) to obtain from something or to remove something by effort or force
94. It's notoriously challenging to \_\_\_\_\_ birth rates.
- v.* to state beforehand that something will happen in the future, mainly based on knowledge or experience
95. He has a flair for \_\_\_\_\_.
- n.* the science dealing with the logic of quantities, shapes, spaces, and arrangement
96. The \_\_\_\_\_ party strongly disagreed with the government's proposed legislation.
- n.* the act of disagreeing or resisting; the state of strong disagreement
97. The player quickly went to the \_\_\_\_\_ side of the defender.
- adj.* at, toward, or near the back part of something; (verb) to look after a child until it is an adult
98. By remaining neutral, this \_\_\_\_\_ continued to exist.
- n.* the country ruled by a king or queen
99. The statement had a \_\_\_\_\_ impact on house prices.
- adj.* very sudden, very excellent, or full of action and excitement

ANSWERS: 92. alignment, 93. extracting, 94. predict, 95. mathematics, 96. opposition, 97. rear, 98. kingdom, 99. dramatic



100. The unexpected financial crisis caused a \_\_\_\_\_ in the stock market, leading to widespread panic among investors.
- n.* a state of anxiety, confusion, or disturbance; a deviation or disruption from the normal or expected state
101. The partnership program requires a mutual \_\_\_\_\_ between both agencies.
- n.* the act or situation of working together to create or produce something
102. Too \_\_\_\_\_ a regulation for the private sector will stifle innovation.
- adj.* strongly limiting someone's freedom; allowing no deviation from a standard, rule, belief, etc.
103. Your credit card is no longer \_\_\_\_\_.
- adj.* having a reasonable basis in logic or fact; still legally or officially acceptable
104. He tried to \_\_\_\_\_ his experience to the group, but they couldn't understand.
- v.* to establish a connection or association between two or more things; to narrate or tell about an event, experience, or relationship; to empathize or feel sympathy with someone or something
105. During colonial eras, new migratory patterns \_\_\_\_\_.
- v.* to move out of or away from something and become visible
106. She is the \_\_\_\_\_ president of the company.
- adj.* being actually such in almost every respect; existing in essence or effect though not in actual fact
107. The meeting aims to \_\_\_\_\_ possible choices.
- v.* to assess or estimate the quality, significance, quantity, or value of something

ANSWERS: 100. perturbation, 101. collaboration, 102. strict, 103. valid, 104. relate, 105. emerged, 106. virtual, 107. evaluate

108. The company's \_\_\_\_\_ approach has been highly effective.

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

109. I need to \_\_\_\_\_ my car regularly to prevent any major mechanical issues.

*v.* to continue to uphold or sustain; to keep in a particular state or condition; to assert or declare something to be true

110. This site \_\_\_\_\_ shares high-quality academic materials.

*adv.* at regular intervals or times

111. He should \_\_\_\_\_ more with his colleagues.

*v.* to communicate or react with somebody

112. Our regular \_\_\_\_\_ was sick, so we had to find a replacement at the last minute.

*n.* a person hired to look after a child or children while the parents are away or occupied; someone who provides temporary care and supervision for children in the absence of their parents or guardians

113. 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

114. The president began to \_\_\_\_\_ an army.

*v.* to collect in one place as a single group

115. Please \_\_\_\_\_ your explanation for the children.

*v.* to make something more straightforward, more understandable, or easier to do

ANSWERS: 108. adaptation, 109. maintain, 110. regularly, 111. interact, 112. babysitter, 113. structure, 114. assemble, 115. simplify

116. The little \_\_\_\_ was so cute, with big, floppy ears and a wagging tail.  
*n.* a young dog, seal, or other animals
117. The large group of \_\_\_\_\_ swam gracefully in the ocean, jumping out of the water now and then.  
*n.* a marine mammal that typically has a beaklike snout, a streamlined body, and flippers and that feeds on fish and squid
118. The relationship \_\_\_\_\_ between the two countries were complex and constantly changing.  
*n.* the branch of mechanics that deals with the motion of bodies under the action of forces, including the particular case in which a body remains at rest; forces that produce or stimulate movement, growth, or change
119. Bears usually \_\_\_\_\_ during the winter months to conserve energy and stay warm.  
*v.* to spend the winter in a state of rest, often in a sheltered place such as a cave or den
120. He did \_\_\_\_\_ pen-and-ink drawings in just a few days.  
*adj.* involving a lot of different things or parts in a way that is difficult to understand or analyze
121. Please write to \_\_\_\_\_ your reservation.  
*v.* to support or establish the truth or certainty of something previously believed or suspected to be the case
122. The cave was a habitat for \_\_\_\_\_.  
*n.* a nocturnal animal with wings that flies and feeds at night, similar to a mouse; a piece of wood with a handle used for hitting the ball in sports including baseball, cricket, and table tennis

ANSWERS: 116. pup, 117. dolphins, 118. dynamics, 119. hibernate, 120. complicated, 121. confirm, 122. bats

123. His membership in the \_\_\_\_\_ provided him with numerous benefits.  
*n.* a people or groups of people who have joined in a single organization together for a particular purpose; a social or business connection or relationship
124. \_\_\_\_\_ elections were held in several European countries.  
*adj.* belonging to or used by a group rather than individuals; for common use
125. He walked a road \_\_\_\_\_ to the railroad.  
*adj.* being everywhere equidistant and not intersecting; of or relating to the simultaneous performance of multiple operations
126. She has taken a step up in the organizational \_\_\_\_\_.  
*n.* a system in which people or things are organized into different levels of importance from highest to lowest
127. \_\_\_\_\_ algorithms can find ways to optimize that humans do not anticipate.  
*adj.* relating to or denoting how living things develop or change from earlier forms
128. She \_\_\_\_\_ quietly in response to the question.  
*v.* to lower and raise one's head, sometimes several times, as to show approval, agreement, greeting, or confirmation
129. We gain higher levels of social \_\_\_\_\_ and stability.  
*n.* the act or state of keeping or sticking together
130. To find drunk drivers, police conduct \_\_\_\_\_ tests.  
*adj.* made, done, or happening without method, conscious decision, or any regular pattern

ANSWERS: 123. association, 124. Communal, 125. parallel, 126. hierarchy, 127. Evolutionary, 128. nodded, 129. cohesion, 130. random

131. The \_\_\_\_\_ has largely gotten positive feedback.

*n.* an extended fictional work in prose; usually in the form of a story; (adjective) original and of a kind not seen before

132. Their headquarters are in a \_\_\_\_\_ skyscraper.

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

133. The CEO's \_\_\_\_\_ employees were expected to follow his instructions without question.

*adj.* of lower rank or importance, often used to describe a person in a position of inferiority or inferior status; serving as a secondary or supporting element to something else

134. Einstein was an outstanding and famous \_\_\_\_\_ of the 20th century.

*n.* a scientist who specializes in the field of physics

135. Without investment, a business cannot \_\_\_\_\_.

*v.* to grow vigorously; to make steady progress

136. His \_\_\_\_\_ faculties were getting worse because of a lack of sleep.

*adj.* of or relating to mental processes of understanding

137. 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

138. The \_\_\_\_\_ declared its independence and became a republic.

*n.* a country or an area that is governed by a more powerful country that is often far away

ANSWERS: 131. novel, 132. modern, 133. subordinate, 134. physicist, 135. thrive, 136. cognitive, 137. biology, 138. colony

139. The message was so \_\_\_\_\_ that I had no idea what it meant.

*adj.* having a hidden or obscure meaning or message; mysterious or puzzling in nature

140. Driving is difficult for me because of my poor \_\_\_\_\_.

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

ANSWERS: 139. cryptic, 140. vision