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Vocabulary Builder Reference from...

Harry Cliff: Have we reached the end of physics? |

TED Talk

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

All Words

IMPORTANT

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Session 1: Word List

academy

n. a school for special training; a type of official organization that aims to encourage and develop standards in its particular field

synonym : school, institute, college

(1) an **academy** of music, (2) a member of the **Academy**
Her new documentary earned her an **Academy** Award.

radical

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

synonym : extreme, revolutionary

(1) a **radical** flaw in the plan, (2) a **radical** cure
The government established by the coup was more **radical** than before.

gravity

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

synonym : heaviness, attraction, weight

(1) the attraction of **gravity**, (2) preserve my **gravity**
The astronaut felt weightless in space due to the absence of **gravity**.

relative

adj. considered and evaluated through comparison with something else

synonym: comparative, proximate, congeneric

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

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

unquestionably

adv. without a doubt; certainly

synonym: certainly, undoubtedly, without doubt

(1) **unquestionably** bad, (2) **unquestionably** safe

Unquestionably, he was the best candidate for the job.

masterpiece

n. a work of art that is exceptionally good or highly skilled; a great achievement

synonym: classic, chef-d'oeuvre, magnum opus

(1) literary **masterpiece**, (2) a **masterpiece** of design

The Mona Lisa is widely considered to be a **masterpiece** of art.

reveal

v. to make known or disclose something that was previously hidden, secret, or unknown; to unveil or show something that was concealed or not visible

synonym: disclose, unveil, expose

(1) **reveal** secrets, (2) **reveal** a plan

The detective carefully **revealed** the true identity of the murderer.

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.

grand

adj. important and large in size, scope, or extent

synonym: impressive, great, ambitious

(1) a **grand** meal, (2) **grand** bargain

This year's **grand** gathering will be held in Canada.

capture

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

synonym : catch, arrest, imprison

(1) **capture** a glimpse, (2) **capture** customers' hearts
I was able to **capture** the moment on film.

algebra

n. a type of mathematics in which signs and letters represent numbers

synonym : calculus

(1) **algebra** calculation, (2) strong in **algebra**
His classmates were laboring with advanced **algebra**.

exciting

adj. causing a lot of interest or excitement

synonym : exhilarating, stimulating, thrilling

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

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.

arguably

adv. used when expressing an opinion or idea that you believe can be proven true

synonym : probably, possibly

(1) she is **arguably** the best singer, (2) **arguably** the greatest discovery
He is **arguably** regarded as the finest actor of his generation.

revolutionary

adj. relating to or characterized by a complete or dramatic change

synonym : radical, innovative, groundbreaking

(1) **revolutionary** change, (2) enforce **revolutionary** justice

The **revolutionary** leader inspired others to join the fight for freedom and democracy.

quantum

n. the smallest amount or unit of something, especially (electromagnetic) energy

(1) probabilistic **quantum** theory, (2) laws of **quantum** mechanics

Big techs are now eager to develop **quantum** computers.

mechanics

n. the branch of physics that deals with the study of motion, forces, and energy; (mechanic) someone whose occupation is repairing and maintaining automobiles

synonym: kinematics, dynamics

(1) **mechanics** equation, (2) **mechanics** of the game

He studied **mechanics** in college and now works as an engineer.

melt

v. to turn from something solid into something soft or liquid as a result of heating

synonym: disintegrate, soften, disappear

(1) **melt** the ice, (2) **melt** down gold

Her resistance **melted** under his persuasion.

stunning

adj. causing a strong emotional reaction of admiration, surprise, or shock due to its beauty, rarity, or excellence

synonym: beautiful, breathtaking, magnificent

(1) **stunning** beauty, (2) **stunning** disclosure

The **stunning** sunset took everyone's breath away.

atom

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

synonym: particle, element, fraction

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

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

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.

utterly

adv. completely or absolutely

synonym: absolutely, completely, perfectly

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

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

transform

v. to change in outward structure or looks;

synonym: alter, convert, change

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

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

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.

physics

n. the science of matter and energy and their interactions

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

He studied the **physics** of radiation.

stake

n. a share or financial investment in something such as a business; a wooden or metal post set up to mark something

synonym: share, interest, post

(1) execution by burning at a **stake**, (2) buy the company's **stake**

The **stake** of the company is too high nowadays.

quest

n. a long or challenging search for something
synonym: exploration, inquisition, pursuit

(1) the **quest** for truth, (2) on a **quest** for happiness
That adventurer traveled in **quest** of buried treasure.

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**.

forbid

v. to order somebody not to do something, especially officially; to keep something from happening or arising
synonym: prohibit, ban, outlaw

(1) **forbid** smoking in public areas, (2) **forbid** the use of chemical weapons
God **forbid** you should regret your marriage.

essential

adj. indispensable; fundamental
synonym: critical, crucial, basic

(1) **essential** amino acid, (2) **essential** commodities of life
Trial and error is an **essential** part of education.

boring

adj. lacking interest or excitement; tedious or dull
synonym: dull, tedious, monotonous

(1) **boring** work, (2) **boring** day
The lecture was so **boring** that many people fell asleep.

lethal

adj. causing or capable of causing death; extremely dangerous
synonym: destructive, fatal, brutal

(1) **lethal** injection, (2) **lethal** weapon
Malignant hypertension is the most **lethal** form of hypertension.

lifeless

adj. without life; dead

synonym : inanimate, inert, motionless

(1) fall **lifeless**, (2) a **lifeless** corpse

The plant had a **lifeless** appearance, indicating that it was not getting enough water.

planet

n. any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star

synonym : earth, world, globe

(1) **planet** like the Earth, (2) save the **planet**

Mercury is the closest **planet** to the sun.

squirrel

n. a small to medium-sized rodent with a bushy tail, found in almost every part of the world

synonym : rodent, chipmunk, tree-dweller

(1) agile **squirrel**, (2) gray **squirrel**

The **squirrels** in the park were very friendly and came right up to us looking for food.

ultimate

adj. furthest or highest in degree or order

synonym : highest, maximum, foremost

(1) the **ultimate** goal in life, (2) the **ultimate** luxury

Management must take **ultimate** responsibility for the accident.

contradiction

n. the assertion of the opposite of what has been said; opposition; denial

synonym : inconsistency, opposition, contravention

(1) **contradiction** of capitalism, (2) apparent **contradiction**

His statement was filled with **contradictions** that made it difficult to take seriously.

fundamental

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

synonym : basic, essential, entire

(1) **fundamental** education, (2) **fundamental** rights
Human behavior has **fundamental** characteristics.

numb

adj. unable to feel physical sensation and movement; not showing human feeling or sensitivity

synonym : dazed, insensitive, emotionless

(1) **numb** with cold, (2) a **numb** mind

My left arm became **numb**.

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.

associate

v. to mentally connect someone or something with someone or something else

synonym : tie in, link, consociate

(1) **associate** alcohol with gambling, (2) **associate** with people widely

The majority of consumers **associate** this brand with quality.

discovery

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

synonym : finding, uncovering, detection

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

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

device

n. a piece of equipment, tool, or technology that serves a particular purpose or function, often mechanical or electronic

synonym : gadget, instrument, tool

(1) electronic **device**, (2) tracking **device**

I always carry a backup **device** in case my phone runs out of battery.

collide

v. to hit something violently when moving

synonym : clash, slam, contradict

(1) **collide** head-on, (2) **collide** in midair

The interests of the two countries **collide**.

whiz

v. to move or run quickly and smoothly with a hissing or buzzing sound; to excel or perform skillfully in a particular area; to urinate; (noun) a person who is very clever or skilled at something

synonym : zoom, zip, hurry

(1) **whiz** kid, (2) **whiz** through the book

The racing car **whizzed** past the grandstands, leaving a trail of dust behind it.

atomic

adj. of or relating to atom (= the smallest component of an element)

synonym : tiny, microscopic, nuclear

(1) **atomic** nucleus, (2) **atomic** bomb

Carbon has an **atomic** mass of 12.

smashing

adj. very successful or impressive; causing something to be broken or destroyed

synonym : great, wonderful, breaking

(1) a **smashing** blow, (2) give **smashing** results

The band's new album was a **smashing** success, reaching the top of the charts.

gigantic

adj. extremely large

synonym : huge, enormous, immense

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

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

detect

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

synonym : catch, observe, notice

(1) **detect** a bad event, (2) **detect** smuggling across borders

The security camera has **detected** four intruders.

announce

v. to make something known or officially inform people about something

synonym : disclose, declare, broadcast

(1) **announce** candidacy, (2) **announce** the award winners

The third season of the anime show has been **announced**.

spot

n. a particular location or place; a small round or roundish area, differing in color or feels from the surface around it

synonym : dot, mark, place

(1) beauty **spot**, (2) a **spot** on his honor

This remote **spot** is rarely visited.

violent

adj. involving or caused by physical force or aggression against someone or something

synonym : aggressive, intense, turbulent

(1) victim of a **violent** crime, (2) **violent** incident

The protesters became **violent** when the police tried to disperse them.

collision

n. an instance of two or more objects or entities crashing into each other, usually resulting in damage, impact, or conflict

synonym : crash, impact, smash

(1) **collision** detection, (2) come into **collision** with my friend

The **collision** of tectonic plates can result in new mountain ranges, such as the Himalayas or the Alps.

boson

n. a type of subatomic particle that follows Bose-Einstein statistics, which determine how identical particles with integer spins behave

synonym : photon, gluon, particle

(1) weak **boson**, (2) Higgs **boson**

The search for new **boson** particles is one of the most exciting areas of modern physics.

excite

v. to make someone feel suddenly enthusiastic or eager
synonym : thrill, exhilarate, animate

(1) **excite** the crowd, (2) **excite** rebellion

The news of her promotion **excited** her.

forgiveness

n. the act of stopping feeling angry or resentful towards someone for a mistake or offense with compassion

synonym : pardon, amnesty, compassion

(1) **forgiveness** of liabilities, (2) beg for **forgiveness**

He gained debt **forgiveness**.

existence

n. the state or fact of someone or something existing

synonym : fact, being, reality

(1) the biggest tree in **existence**, (2) the struggle for **existence**

He was an atheist and therefore did not believe in the **existence** of heaven or hell.

cosmic

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

synonym : astronomical, celestial, outer-space

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

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

magnet

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

synonym : magnetite, lodestone, attracting substance

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

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

metal

n. a solid material that is typically hard, shiny, malleable, fusible, and ductile, with good electrical and thermal conductivity, and often used as a structural material, a conductor of heat or electricity, or for decorative purposes

synonym : alloy, metalloid

(1) **metal** fabrication, (2) precious **metal**

The construction worker used a **metal** saw to cut through the stubborn sheet metal.

gap

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

synonym : opening, lacuna, spread

(1) the **gap** between ideal and reality, (2) distance **gap**

Many people are working together to close the gender **gap**.

magnetic

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

synonym : attractive, drawing, hypnotic

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

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

constant

adj. happening repeatedly or all the time

synonym : ceaseless, stable, unchanging

(1) a **constant** wind, (2) a **constant** temperature

Constant dropping wears away the stone.

mass

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

synonym : abundance, crowd, mob

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

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

mysterious

adj. difficult to understand, explain, or identify; having an aura of secrecy, intrigue, or puzzlement

synonym : enigmatic, cryptic, puzzling

(1) **mysterious** object, (2) **mysterious** stranger

The **mysterious** disappearance of the ship remains

unsolved.

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.

enormous

adj. extremely large or great
synonym : huge, giant, gigantic

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

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

scenario

n. a description of possible actions or events in the future; a written outline of a play, film, or literary work

synonym : plan, scheme, procedure

(1) the worst case **scenario**, (2) number of different **scenarios**

The president prepared several possible **scenarios** for an enemy attack.

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.

trillion

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

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

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

stick

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

synonym : pierce, adhere, stay

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

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

crucial

adj. extremely vital or necessary

synonym : essential, pivotal, vital

(1) **crucial** information, (2) a **crucial** issue for women

The revitalization of technology companies is **crucial** to the country's growth.

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.

strength

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

synonym : resilience, power, muscles

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

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

theorist

n. a person who develops or formulates theories about a particular subject, especially in the sciences or social sciences; someone who engages in theoretical thinking or speculation

synonym : philosopher, academic, scholar

(1) scientific **theorist**, (2) conspiracy **theorist**

The feminist **theorist** criticized traditional models of gender roles and argued for greater equality between the sexes.

peculiar

adj. odd and uncommon, sometimes in an unpleasant way

synonym : bizarre, abnormal, odd

(1) **peculiar** way, (2) **peculiar** people

The juice has a **peculiar** taste.

fine-tune

v. to make tiny changes or improvements to make it work as well as possible

synonym: adjust, calibrate, refine

(1) **fine-tune** financial systems, (2) **fine-tune** the engine

The government should not try to **fine-tune** the economy excessively based on a short-term prediction.

explanation

n. the information or arguments that someone provides to make something understandable or clear

synonym: description, elucidation, account

(1) the **explanation** for the failure, (2) detailed **explanation**

The following **explanation** is currently being used to explain the phenomenon in question.

symmetry

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

synonym: balance, proportion, harmoniousness

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

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

dimension

n. a measurable extent of a particular kind, such as width, height, or length

synonym: extent, measurement, size

(1) new **dimension**, (2) the crosswise **dimension**

Overall **dimensions** are approximately 400x200mm.

weird

adj. extraordinary, unexpected, or difficult to explain

synonym: bizarre, creepy, peculiar

(1) a **weird** dress, (2) the state of being **weird**

My computer has been acting **weird** recently.

fine-tuning

n. the act of making small adjustments or changes to improve or optimize the performance, quality, or effectiveness of something

synonym : adjustment, calibration, tweaking

(1) **fine-tuning** process, (2) **fine-tuning** of a financial plan
The **fine-tuning** of the car engine made it run more smoothly.

vast

adj. enormous in size, number, amount, or quantity

synonym : expansive, extended, boundless

(1) **vast** majority, (2) **vast** desert

A **vast** audience viewed the broadcast.

distance

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

synonym : space, gap, span

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

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

consequence

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

synonym : result, impact, outcome

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

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

expansion

n. the process of becoming larger or more extensive, or the result of this process

synonym : growth, enlargement, development

(1) industrial **expansion**, (2) **expansion** project

The company is undergoing an **expansion**, opening new locations in several states.

bang

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

synonym : crash, hit, smash

(1) **bang** his fist on a desk, (2) **bang** a phone down
My father tried to **bang** mathematics into my head since childhood.

expand

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

synonym: extend, grow, boost

(1) **expand** a lineup, (2) **expand** agricultural output
They hope to **expand** their business worldwide.

gradual

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

synonym: incremental, gradational, piecemeal

(1) a **gradual** process, (2) a **gradual** change
The country experienced a **gradual** increase in population.

brake

n. a device used to slow or stop a moving vehicle, typically by applying pressure to the wheels

synonym: damper, restraint, check

(1) apply the **brake**, (2) **brake** pedal
The results of that election put a **brake** on political reform.

astronomer

n. a physicist who studies astronomy

synonym: stargazer, cosmologist, astrophysicist

(1) amateur **astronomer**, (2) solar **astronomer**
This question has fascinated solar **astronomers** for decades.

repulsive

adj. causing strong dislike or disgust; offensive, unpleasant, or grotesque; resisting or rejecting contact or influence

synonym: disgusting, revolting, repugnant

(1) **repulsive** smell, (2) **repulsive** act
The politician's rhetoric was so **repulsive** that many people refused to vote for him.

suspicious

adj. making you feel that someone has done something wrong, illegal, or dishonest without any evidence

synonym:

fishy, questionable, doubtful

(1) report **suspicious** activity, (2) a person who is **suspicious**

We carefully examine each **suspicious** transaction report we receive.

probable

adj. likely to happen or likely to be true

synonym: likely, possible, potential

(1) **probable** outcome, (2) **probable** cause of a fire

It seems **probable** that he has forgotten our scheduled meeting.

vacuum

n. a space empty of matter; a device or tool used for cleaning or removing debris by creating suction

synonym: void, emptiness, gap

(1) **vacuum** cleaner, (2) **vacuum** packing

Please use the **vacuum** to clean up the mess on the floor.

astonishing

adj. surprising or shocking; difficult to believe

synonym: surprising, shocking, astounding

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

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

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.

astronomy

n. the scientific study of objects and matter outside the Earth's atmosphere, especially the positions, motions, and evolution of celestial bodies

synonym:

astrophysics, stargazing, cosmology

(1) **astronomy** science, (2) a branch of **astronomy**

He had a deep passion for extragalactic **astronomy** and spent hours observing the night sky.

mind-boggling

adj. extremely surprising or overwhelming and, therefore, difficult to understand or imagine

synonym: overwhelming, amazing, astonishing

(1) a **mind-boggling** puzzle, (2) a **mind-boggling** display

Educating hundreds of thousands of recruits is a **mind-boggling** task.

astronomical

adj. relating to astronomy or the study of celestial bodies and phenomena; very large or immense in scale or magnitude

synonym: huge, vast, enormous

(1) **astronomical** observation, (2) **astronomical** numbers

The cost of the new equipment was **astronomical** and beyond the company's budget.

prediction

n. the act of predicting the future by reasoning; a statement made about the future

synonym: forecast, anticipation, foretelling

(1) make my **predictions**, (2) gloomy **predictions**

These results muddied the **prediction**.

theoretical

adj. relating to the concepts and principles upon which a particular topic is founded, rather than practice and experience

synonym: conceptual, conjectural, ideal

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

Absolute zero is the lowest **theoretical** temperature.

curiosity

n. a strong desire to know or learn about something

synonym: interest, inquisitiveness, novelty

(1) boundless **curiosity**, (2) satisfy my intellectual **curiosity**

We are motivated by **curiosity** rather than necessity.

galaxy

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

synonym : star cluster, nebula, star system

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

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

fantastic

adj. extremely good; excellent

synonym : incredible, unbelievable, marvelous

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

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

combination

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

synonym : blend, hybrid, compounding

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

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

futile

adj. incapable of producing any useful result; pointless

synonym : useless, worthless, ineffective

(1) **futile** talk, (2) make a **futile** protest

It was **futile** to try and fix the broken vase, as it was too badly damaged.

unify

v. to bring or join something together so that they form a single unit

synonym : bring together, consolidate, merge

(1) **unify** the system, (2) **unify** the party

The people believe that they can **unify** the country.

promising

adj. having the potential to be successful, helpful, or beneficial; showing signs of future success or achievement

synonym : hopeful, optimistic, encouraging

(1) **promising** idea, (2) **promising** start

Several top teams scouted **promising** young athletes.

candidate

n. a person who is seeking or being considered for some kind of position, title, honor, or award; a job applicant

synonym : applicant, nominee, contender

(1) **candidate** selection, (2) PhD **candidate**

The **candidate's** platform focused on healthcare reform and reducing income inequality.

string

n. long, thin material used for tying things together, composed of several twisted threads

synonym : line, wire, rope

(1) retie the **string** and make it strong, (2) tense piano **strings**

She wore a **string** of pearls around her neck.

zoom

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

synonym : move quickly, dive, buzz

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

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

vibrate

v. to move or cause anything to move fast and in small increments from side to side

synonym : oscillate, convulse, jerk

(1) **vibrate** at a regular frequency, (2) **vibrate** with anger

During the flight, the wings of the plane **vibrate**.

frequency

n. an ordered array of colors into which a light beam can be split

synonym : recurrence, repetition, regularity

(1) **frequency** band, (2) high **frequency**

The oscillator hunts for the correct **frequency**.

vibration

n. a continuous quick and slight shaking movement

synonym :

oscillation, fluctuation, reverberation

(1) protection against **vibration**, (2) sympathetic **vibration**
Vibration displaced part of the mechanism.

corresponding

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

synonym: matching, equivalent, analogous

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

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

elegant

adj. pleasing and graceful in appearance or manner, or showing good taste and refinement

synonym: refined, sophisticated, graceful

(1) **elegant** design, (2) write **elegant** sentences

She wore an **elegant** evening gown to the gala.

poetic

adj. of or relating to poetry (= a piece of writing that emphasizes the expression of feelings and ideas); using language in an imaginative and expressive way

synonym: literary, verse-like, rhythmic

(1) **poetic** genius, (2) **poetic** justice

The sunset was so beautiful it looked like a **poetic** scene from a movie.

catastrophic

adj. extremely harmful; causing physical or financial destruction

synonym: fatal, disastrous, destructive

(1) victim of **catastrophic** injuries, (2) **catastrophic** climate change

The extinction rate of aquatic animals was **catastrophic**.

estimate

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

synonym: calculate, gauge, evaluate

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

three pounds

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

critic

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

synonym: pundit, analyst, attacker

(1) art **critic**, (2) severe **critic**

Advocates for legal reform hear less harsh words from their **critics**.

disprove

v. to show that something is not true or correct

synonym: refute, discredit, invalidate

(1) **disprove** global warming, (2) **disprove** the conjecture

The researchers were unable to **disprove** the theory.

apparent

adj. able to see or understand easily or clearly

synonym: obvious, clear, conspicuous

(1) heir **apparent**, (2) **apparent** contradiction

This star is **apparent** to the naked eye.

triumph

n. a great victory or achievement

synonym: victory, success, conquest

(1) **triumph** of democracy, (2) **triumph** of the spirit

The team's **triumph** in the championship resulted from their hard work and dedication.

multiverse

n. a hypothetical space or realm consisting of multiple universes, of which our universe is just one of them

(1) the **multiverse** hypothesis, (2) the concept of the **multiverse**

The various universes within the **multiverse** are sometimes called parallel universes.

suddenly

adv. quickly and unexpectedly

synonym: abruptly, unexpectedly, unawares

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

Who answers **suddenly** knows little.

controversial

adj. causing a lot of hot public discussion and dispute
synonym : contentious, disputed, questionable

(1) **controversial** book, (2) **controversial** policy

The issue of the death penalty is highly **controversial**.

frustrate

v. to hinder or prevent efforts, plans, or desires from doing, succeeding, or being fulfilled; to make someone feel upset or annoyed because they are unable to change or achieve something

synonym : hinder, thwart, dishearten

(1) **frustrate** the advancement, (2) **frustrate** other team members

The coach explained a strategy to **frustrate** the opponent's schemes to the players.

unlikely

adj. not probable or likely to happen

synonym : doubtful, questionable, far-fetched

(1) **unlikely** event, (2) it is **unlikely** that he would win the game

The passage of the bill is **unlikely**.

solid

adj. hard or firm; characterized by good substantial quality

synonym : stable, reliable, hard

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

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

hint

n. an indirect suggestion; a slight but appreciable amount of something

synonym : clue, indication, suggestion

(1) **hint** of trouble, (2) helpful **hints**

There was no **hint** of a problem.

hop

v. to jump lightly and quickly on one foot or both feet; to move rapidly from one place to another; to travel using an aircraft, bus, etc.

synonym : jump, bounce, skip

(1) **hop** on one foot, (2) **hop** from one place to another

The rabbit **hopped** over the fence.

barren

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

synonym : sterile, infertile, unproductive

(1) **barren** wasteland, (2) **barren** desert

The desert is known for its **barren** terrain with no sign of vegetation.

wilderness

n. a large, uncultivated, and sparsely populated area of land, often dense with trees and other vegetation; a region or area that is largely uninhabited, untouched by human development, or not subject to commercial exploitation

synonym : wilds, backwoods, wasteland

(1) untamed **wilderness**, (2) explore the **wilderness**

The hiker got lost in the **wilderness** and had to be rescued by search and rescue.

populate

v. to inhabit or occupy a particular area, region, or environment with a certain number or type of people, animals, or plants; to fill out or complete a form, document, or database with relevant information

synonym : inhabit, occupy, dwell

(1) **populate** the countryside, (2) **populate** the spreadsheet

Deer, squirrels, and birds primarily **populate** the forest.

lone

adj. solitary or single

synonym : solitary, single, alone

(1) a **lone** flight, (2) a **lone** house in the field

The **lone** traveler walked along the deserted road.

experiment

n. the scientific test conducted to observe what happens and gain new knowledge

synonym : experimentation, investigation

(1) **experiment** design, (2) series of **experiments**

His **experiments** showed highly positive results.

glum

adj. looking or feeling dejected; characterized by a gloomy or depressed mood

synonym : dismal, melancholy, dreary

(1) **glum** expression, (2) **glum** mood

She looked **glum** after receiving the disappointing news.

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.

phase

n. any stage in a series of events, change, or development

synonym : degree, stage, step

(1) enter on the last **phase**, (2) two- **phase** structure

The era of the industrial revolution was a crucial **phase** of history.

operate

v. to work in a particular way; to supervise something

synonym : work, use, employ

(1) **operate** 24 hours a day, (2) manually **operate** a machine

This machine is too difficult to **operate** for me.

achieve

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

synonym : accomplish, attain, reach

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

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

desperately

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

synonym : urgently, perilously, seriously

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

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

micro

n. extremely small in scale or scope; one millionth

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

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

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.

emerging

adj. starting to exist, mature, or become well-known

synonym : arising, occurring, state-of-the-art

(1) **emerging** country, (2) **emerging** technologies

Emerging technologies have dramatically improved productivity in various industries.

shutdown

n. the act of stopping or ceasing operation or activity; a temporary or permanent closure or halt to a system, organization, or service

synonym : stoppage, closure, cessation

(1) **shutdown** operation, (2) government **shutdown**

The company announced a temporary **shutdown** due to the pandemic.

era

n. a period that is distinct from others, typically in history

synonym : epoch, age, period

(1) dawn of a new **era**, (2) the **era** of the Renaissance

Political corruption was common throughout the postwar **era**.

- feat** *n.* a notable or impressive achievement, especially one that requires great skill or bravery
synonym: achievement, accomplishment, exploit
(1) intellectual **feat**, (2) **feat** accomplishment
It is an incredible **feat** to climb Mount Everest, the highest mountain in the world.
- harry** *v.* to persistently harass, badger, or bother someone or something; to persistently attack or pursue an opposing force or target
synonym: bother, pester, annoy
(1) **harry** the ship all night, (2) **harry** a suspect
I need to **harry** my coworkers to finish the project on time.
- generation** *n.* all the people born and living at about the same time, regarded collectively; the production of heat or electricity
synonym: cohort, age group, era
(1) **generation** gap, (2) the **generation** of electricity
The younger **generation** has different values and beliefs than the older one.
- mention** *v.* to speak or write about something or someone briefly
synonym: reference, allude, cite
(1) **mention** name, (2) **mention** in a report
I **mentioned** to him that I had seen his sister at the grocery store earlier that day.
- introduction** *n.* a preliminary explanation or remarks given before the start of a text, performance, or event; the act of bringing something new into existence or introducing something to a wider audience or new market
synonym: initiation, preamble, prologue
(1) **introduction** education, (2) self- **introduction**
The **introduction** to the new class was informative and engaging.

- cliff** *n.* a steep rock face, especially one at the edge of the sea or a river
synonym: crag, escarpment, precipice
(1) a bold **cliff**, (2) **cliff** diving
He stood at the edge of the **cliff** and looked out to sea.
- conversation** *n.* an informal talk between two or more people to exchange their views, ideas, information, etc.
synonym: chat, discussion, dialogue
(1) **conversation** in English, (2) a friendly **conversation**
Your **conversation** reflects your thoughts.
- compute** *v.* to make a mathematical calculation
synonym: calculate
(1) **compute** an average score, (2) **compute** the value
I tried to **compute** the efficiency of the investment.
- earnest** *adj.* characterized by sincere and severe conviction or effort; showing a deep and a genuine sense of purpose or commitment
synonym: sincere, serious, genuine
(1) **earnest** attempt, (2) **earnest** conversation
He spoke in an **earnest** tone, expressing his genuine concern for the safety of everyone involved.
- withstand** *v.* to resist the effect or impact of something
synonym: endure, bear, resist
(1) **withstand** pressure, (2) **withstand** temptation
The new phone is waterproof and can **withstand** being dropped in water.
- radiation** *n.* the energy that comes from a nuclear reaction in the form of rays, waves, or particles and that can be hazardous to health
synonym: dissemination, emission, irradiation
(1) exposure to **radiation**, (2) electromagnetic **radiation**

He tried every possible treatment, including chemotherapy and **radiation** therapy.

lump

n. a small, irregularly shaped mass or piece, typically of a soft substance such as coal, flour, or dough

synonym: mass, clump, ball

(1) **lump** in the throat, (2) single **lump** sum

There is a small **lump** on my neck, and I'm concerned about it.

subsequent

adj. happening or occurring later or after something else

synonym: later, following, ensuing

(1) over **subsequent** months, (2) reduce **subsequent** mortality

In the **subsequent** meeting, the team discussed ways to improve productivity.

develop

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

synonym: evolve, progress, advance

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

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

rely

v. to require a specific thing or the assistance and support of someone or something to continue, run properly, or succeed.

synonym: depend, count, lean

(1) **rely** on convenience stores, (2) **rely** entirely on him

Babies heavily **rely** on others for food.

ingenuity

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

synonym: creativity, invention, originality

(1) the infinite **ingenuity** of man, (2) abound in **ingenuity**
Creativity and **ingenuity** are often brought about by extreme concentration.

intent

n. a strong determination or attention to do or achieve something; (adjective) having a strong determination to do or achieve something

synonym: purpose, aim, goal

(1) the **intent** of a question, (2) **intent** gaze

The designer's **intent** was to create a minimalist aesthetic for the interior of the building.

colleague

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

synonym: coworker, associate, fellow

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

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

nation

n. a large organized community of people living in a particular country or region and having a particular culture

synonym: country, state, sovereign entity

(1) **nation-state**, (2) a seafaring **nation**

The **nation** of Japan is known for its unique culture and advanced technology.

afford

v. to have enough money or time to be able to buy or do something

(1) **afford** to buy a new car, (2) **afford** a high travel cost

He cannot **afford** a holiday.

mobilize

v. to make something ready for action or use; to organize people or resources for a particular purpose

synonym: activate, rally, marshal

(1) **mobilize** cooperation, (2) **mobilize** a stiff joint

The military **mobilized** troops to the border.

workforce

n. all the people who work in a company, industry, country, etc.

synonym : labor pool, manpower

(1) skilled **workforce**, (2) the **workforce** is on strike

Many companies outsource and hire consultants to keep their **workforce** flexible.

clue

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

synonym : hint, indication, inkling

(1) a **clue** about the crime, (2) a **clue** to the diagnosis

The police couldn't find a **clue** to her whereabouts.

Session 2: Spelling

1. ex___e the crowd
v. to make someone feel suddenly enthusiastic or eager
2. ut____y changed
adv. completely or absolutely
3. con_____ial policy
adj. causing a lot of hot public discussion and dispute
4. a cr_____l issue for women
adj. extremely vital or necessary
5. ex___d a lineup
v. to increase or to make something greater in size, number, or importance
6. po_____te the countryside
v. to inhabit or occupy a particular area, region, or environment with a certain number or type of people, animals, or plants; to fill out or complete a form, document, or database with relevant information
7. em_____ng country
adj. starting to exist, mature, or become well-known
8. le___l weapon
adj. causing or capable of causing death; extremely dangerous
9. po_____te the spreadsheet
v. to inhabit or occupy a particular area, region, or environment with a certain number or type of people, animals, or plants; to fill out or complete a form, document, or database with relevant information
10. de_____p a strategy
v. to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created

ANSWERS: 1. excite, 2. utterly, 3. controversial, 4. crucial, 5. expand, 6. populate, 7. emerging, 8. lethal, 9. populate, 10. develop

11. skilled wo_____ce *n.* all the people who work in a company, industry, country, etc.
12. m__t down gold *v.* to turn from something solid into something soft or liquid as a result of heating
13. mi__o force sensor *n.* extremely small in scale or scope; one millionth
14. the infinite in_____ty of man *n.* the quality of inventing things or solving problems in clever new ways
15. ex_____e weather events *adj.* very great in amount or degree
16. pr_____ng start *adj.* having the potential to be successful, helpful, or beneficial; showing signs of future success or achievement
17. elliptic ga____y *n.* an independent group of stars, interstellar gas, dark matter, etc., in the universe, bound together by gravity
18. ap_____nt contradiction *adj.* able to see or understand easily or clearly
19. preserve my gr_____y *n.* the force that attracts a body towards the center of the earth or towards any other physical body having mass; a manner that is solemn
20. bilateral sy_____ry *n.* balance or proportion in design or structure, with elements arranged evenly on either side of an axis
21. the in____t of a question *n.* a strong determination or attention to do or achieve something; (adjective) having a strong determination to do or achieve something

ANSWERS: 11. workforce, 12. melt, 13. micro, 14. ingenuity, 15. extreme, 16. promising, 17. galaxy, 18. apparent, 19. gravity, 20. symmetry, 21. intent

22. a c__e about the crime *n.* an object, a piece of evidence, or some information that helps someone to find the answer to a problem, question, or mystery
23. con_____ion of capitalism *n.* the assertion of the opposite of what has been said; opposition; denial
24. mys_____us object *adj.* difficult to understand, explain, or identify; having an aura of secrecy, intrigue, or puzzlement
25. the exp_____on for the failure *n.* the information or arguments that someone provides to make something understandable or clear
26. Higgs bo__n *n.* a type of subatomic particle that follows Bose-Einstein statistics, which determine how identical particles with integer spins behave
27. v__t majority *adj.* enormous in size, number, amount, or quantity
28. a bold cl__f *n.* a steep rock face, especially one at the edge of the sea or a river
29. a co_____nt temperature *adj.* happening repeatedly or all the time
30. as_____my science *n.* the scientific study of objects and matter outside the Earth's atmosphere, especially the positions, motions, and evolution of celestial bodies
31. h_p from one place to another *v.* to jump lightly and quickly on one foot or both feet; to move rapidly from one place to another; to travel using an aircraft, bus, etc.

ANSWERS: 22. clue, 23. contradiction, 24. mysterious, 25. explanation, 26. boson, 27. vast, 28. cliff, 29. constant, 30. astronomy, 31. hop

32. the concept of the mul_____se *n.* a hypothetical space or realm consisting of multiple universes, of which our universe is just one of them
33. ex_____e sports *adj.* very great in amount or degree
34. electromagnetic ra_____on *n.* the energy that comes from a nuclear reaction in the form of rays, waves, or particles and that can be hazardous to health
35. severe cr____c *n.* someone who expresses opinions about the quality of books, music, etc.
36. on a qu__t for happiness *n.* a long or challenging search for something
37. bo____g day *adj.* lacking interest or excitement; tedious or dull
38. permanent ma____t *n.* an object or substance that can attract certain materials, such as iron or steel
39. b__g his fist on a desk *v.* to hit or cause to hit something in a way that makes a loud noise
40. a n__b mind *adj.* unable to feel physical sensation and movement; not showing human feeling or sensitivity
41. mo_____ze a stiff joint *v.* to make something ready for action or use; to organize people or resources for a particular purpose
42. 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

ANSWERS: 32. multiverse, 33. extreme, 34. radiation, 35. critic, 36. quest, 37. boring, 38. magnet, 39. bang, 40. numb, 41. mobilize, 42. structure

43. com_____on number *n.* a collection of things that have been combined; an assemblage of separate parts or qualities
44. victim of a vi_____t crime *adj.* involving or caused by physical force or aggression against someone or something
45. a remote re_____ve *adj.* considered and evaluated through comparison with something else
46. retie the st____g and make it strong *n.* long, thin material used for tying things together, composed of several twisted threads
47. electronic de____e *n.* a piece of equipment, tool, or technology that serves a particular purpose or function, often mechanical or electronic
48. in____t gaze *n.* a strong determination or attention to do or achieve something; (adjective) having a strong determination to do or achieve something
49. fall li_____ss *adj.* without life; dead
50. a li_____ss corpse *adj.* without life; dead
51. re_____ve smell *adj.* causing strong dislike or disgust; offensive, unpleasant, or grotesque; resisting or rejecting contact or influence
52. the e_a of the Renaissance *n.* a period that is distinct from others, typically in history
53. a we__d dress *adj.* extraordinary, unexpected, or difficult to explain

ANSWERS: 43. combination, 44. violent, 45. relative, 46. string, 47. device, 48. intent, 49. lifeless, 50. lifeless, 51. repulsive, 52. era, 53. weird

54. oxygen a__m *n.* the smallest unit of ordinary matter that forms a chemical element, composed of a nucleus and one or more electrons bound to the nucleus
55. me_____cs equation *n.* the branch of physics that deals with the study of motion, forces, and energy; (mechanic) someone whose occupation is repairing and maintaining automobiles
56. the crosswise di_____on *n.* a measurable extent of a particular kind, such as width, height, or length
57. di_____ve global warming *v.* to show that something is not true or correct
58. pr_____le outcome *adj.* likely to happen or likely to be true
59. a branch of as_____my *n.* the scientific study of objects and matter outside the Earth's atmosphere, especially the positions, motions, and evolution of celestial bodies
60. a gr__d meal *adj.* important and large in size, scope, or extent
61. va___m packing *n.* a space empty of matter; a device or tool used for cleaning or removing debris by creating suction
62. a ra_____l cure *adj.* relating to the essential aspects of anything; far beyond the norm, mainly used of opinions and actions
63. con_____ial book *adj.* causing a lot of hot public discussion and dispute
64. a m__s of molten rock *n.* a large amount of a substance with no definite shape or form; a large number of people or things grouped or crowded together

ANSWERS: 54. atom, 55. mechanics, 56. dimension, 57. disprove, 58. probable, 59. astronomy, 60. grand, 61. vacuum, 62. radical, 63. controversial, 64. mass

65. the cor_____ing word in Spanish *adj.* similar to, connected with, or accompanying something, especially in position or purpose
66. b__g a phone down *v.* to hit or cause to hit something in a way that makes a loud noise
67. de___t a bad event *v.* to find or recognize something, especially something difficult to see, hear, etc.
68. laws of qu_____m mechanics *n.* the smallest amount or unit of something, especially (electromagnetic) energy
69. at___c nucleus *adj.* of or relating to atom (= the smallest component of an element)
70. rev_____ary change *adj.* relating to or characterized by a complete or dramatic change
71. report sus_____us activity *adj.* making you feel that someone has done something wrong, illegal, or dishonest without any evidence
72. a c__e to the diagnosis *n.* an object, a piece of evidence, or some information that helps someone to find the answer to a problem, question, or mystery
73. conspiracy th_____st *n.* a person who develops or formulates theories about a particular subject, especially in the sciences or social sciences; someone who engages in theoretical thinking or speculation
74. ba___n wasteland *adj.* unable to produce or sustain growth; lacking fertility; unproductive; lacking interest, excitement, or creativity; empty or desolate

ANSWERS: 65. corresponding, 66. bang, 67. detect, 68. quantum, 69. atomic, 70. revolutionary, 71. suspicious, 72. clue, 73. theorist, 74. barren

75. fi_____ne the engine *v.* to make tiny changes or improvements to make it work as well as possible
76. ea_____t attempt *adj.* characterized by sincere and severe conviction or effort; showing a deep and a genuine sense of purpose or commitment
77. af____d to buy a new car *v.* to have enough money or time to be able to buy or do something
78. helpful h__ts *n.* an indirect suggestion; a slight but appreciable amount of something
79. satisfy my intellectual cu_____ty *n.* a strong desire to know or learn about something
80. an_____ce the award winners *v.* to make something known or officially inform people about something
81. make my pre_____ons *n.* the act of predicting the future by reasoning; a statement made about the future
82. int_____ion education *n.* a preliminary explanation or remarks given before the start of a text, performance, or event; the act of bringing something new into existence or introducing something to a wider audience or new market
83. a min_____ing puzzle *adj.* extremely surprising or overwhelming and, therefore, difficult to understand or imagine
84. new di_____on *n.* a measurable extent of a particular kind, such as width, height, or length
85. the worst case sc_____io *n.* a description of possible actions or events in the future; a written outline of a play, film, or literary work

ANSWERS: 75. fine-tune, 76. earnest, 77. afford, 78. hint, 79. curiosity, 80. announce, 81. prediction, 82. introduction, 83. mind-boggling, 84. dimension, 85. scenario

86. apparent con_____ion *n.* the assertion of the opposite of what has been said; opposition; denial
87. weak bo__n *n.* a type of subatomic particle that follows Bose-Einstein statistics, which determine how identical particles with integer spins behave
88. es_____al amino acid *adj.* indispensable; fundamental
89. precious me__l *n.* a solid material that is typically hard, shiny, malleable, fusible, and ductile, with good electrical and thermal conductivity, and often used as a structural material, a conductor of heat or electricity, or for decorative purposes
90. vi_____e with anger *v.* to move or cause anything to move fast and in small increments from side to side
91. st_____th of the economy *n.* the quality or state of being physically, or sometimes mentally, strong
92. collaborate with co_____ues *n.* one of a group of a coworker, especially in a profession or a business
93. a s__t on his honor *n.* a particular location or place; a small round or roundish area, differing in color or feels from the surface around it
94. le___l injection *adj.* causing or capable of causing death; extremely dangerous
95. w__z kid *v.* to move or run quickly and smoothly with a hissing or buzzing sound; to excel or perform skillfully in a particular area; to urinate; (noun) a person who is very clever or skilled at something

ANSWERS: 86. contradiction, 87. boson, 88. essential, 89. metal, 90. vibrate, 91. strength, 92. colleague, 93. spot, 94. lethal, 95. whiz

96. former co_____ue *n.* one of a group of a coworker, especially in a profession or a business
97. an une_____ed visitor *adj.* not anticipated or regarded as likely to happen
98. scientific th_____st *n.* a person who develops or formulates theories about a particular subject, especially in the sciences or social sciences; someone who engages in theoretical thinking or speculation
99. fu____e talk *adj.* incapable of producing any useful result; pointless
100. apply the br____e *n.* a device used to slow or stop a moving vehicle, typically by applying pressure to the wheels
101. vi_____e at a regular frequency *v.* to move or cause anything to move fast and in small increments from side to side
102. ba____n desert *adj.* unable to produce or sustain growth; lacking fertility; unproductive; lacking interest, excitement, or creativity; empty or desolate
103. a co_____nt wind *adj.* happening repeatedly or all the time
104. tr_____h of democracy *n.* a great victory or achievement
105. cat_____hic climate change *adj.* extremely harmful; causing physical or financial destruction
106. va____m cleaner *n.* a space empty of matter; a device or tool used for cleaning or removing debris by creating suction

ANSWERS: 96. colleague, 97. unexpected, 98. theorist, 99. futile, 100. brake, 101. vibrate, 102. barren, 103. constant, 104. triumph, 105. catastrophic, 106. vacuum

107. laws of ph____s	<i>n.</i> the science of matter and energy and their interactions
108. the g_p between ideal and reality	<i>n.</i> a conspicuous disparity or difference separates something such as a figure, people, their opinions, situation, etc.
109. tracking de___e	<i>n.</i> a piece of equipment, tool, or technology that serves a particular purpose or function, often mechanical or electronic
110. the gen_____on of electricity	<i>n.</i> all the people born and living at about the same time, regarded collectively; the production of heat or electricity
111. re___l secrets	<i>v.</i> to make known or disclose something that was previously hidden, secret, or unknown; to unveil or show something that was concealed or not visible
112. a ra_____l flaw in the plan	<i>adj.</i> relating to the essential aspects of anything; far beyond the norm, mainly used of opinions and actions
113. genic com_____ons	<i>n.</i> a collection of things that have been combined; an assemblage of separate parts or qualities
114. abs_____ly against	<i>adv.</i> without restriction or limitation; completely or utterly
115. make ast_____ng gains	<i>adj.</i> surprising or shocking; difficult to believe
116. fi_____ne financial systems	<i>v.</i> to make tiny changes or improvements to make it work as well as possible
117. su_____ly attacked by an enemy	<i>adv.</i> quickly and unexpectedly

ANSWERS: 107. physics, 108. gap, 109. device, 110. generation, 111. reveal, 112. radical, 113. combination, 114. absolutely, 115. astonishing, 116. fine-tune, 117. suddenly

118. 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
119. enter on the last ph__e *n.* any stage in a series of events, change, or development
120. single l__p sum *n.* a small, irregularly shaped mass or piece, typically of a soft substance such as coal, flour, or dough
121. des_____ly anxious *adv.* in a way that shows a lack of hope and a willingness to do anything because of the problematic situation; with great urgency
122. es_____te this chicken to weigh three pounds *v.* to guess or calculate the cost, size, value, etc. of something
123. ut_____y ignorant *adv.* completely or absolutely
124. for_____ss of liabilities *n.* the act of stopping feeling angry or resentful towards someone for a mistake or offense with compassion
125. en_____us amount *adj.* extremely large or great
126. a mas_____ce of design *n.* a work of art that is exceptionally good or highly skilled; a great achievement
127. number of different sc_____ios *n.* a description of possible actions or events in the future; a written outline of a play, film, or literary work
128. re_____ve act *adj.* causing strong dislike or disgust; offensive, unpleasant, or grotesque; resisting or rejecting contact or influence

ANSWERS: 118. structure, 119. phase, 120. lump, 121. desperately, 122. estimate, 123. utterly, 124. forgiveness, 125. enormous, 126. masterpiece, 127. scenario, 128. repulsive

129. self-int_____ion *n.* a preliminary explanation or remarks given before the start of a text, performance, or event; the act of bringing something new into existence or introducing something to a wider audience or new market
130. el_____t design *adj.* pleasing and graceful in appearance or manner, or showing good taste and refinement
131. industrial ex_____on *n.* the process of becoming larger or more extensive, or the result of this process
132. gr__d bargain *adj.* important and large in size, scope, or extent
133. a ga___y of famous actors *n.* an independent group of stars, interstellar gas, dark matter, etc., in the universe, bound together by gravity
134. die su_____ly *adv.* quickly and unexpectedly
135. de_____p a skill *v.* to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created
136. come into co_____on with my friend *n.* an instance of two or more objects or entities crashing into each other, usually resulting in damage, impact, or conflict
137. a min_____ing display *adj.* extremely surprising or overwhelming and, therefore, difficult to understand or imagine

ANSWERS: 129. introduction, 130. elegant, 131. expansion, 132. grand, 133. galaxy, 134. suddenly, 135. develop, 136. collision, 137. mind-boggling

138. over sub_____nt months *adj.* happening or occurring later or after something else
139. muscular st_____th *n.* the quality or state of being physically, or sometimes mentally, strong
140. r__y entirely on him *v.* to require a specific thing or the assistance and support of someone or something to continue, run properly, or succeed.
141. af____d a high travel cost *v.* to have enough money or time to be able to buy or do something
142. cr_____l information *adj.* extremely vital or necessary
143. tr_____rm an education system *v.* to change in outward structure or looks;
144. tr_____h of the spirit *n.* a great victory or achievement
145. PhD ca_____te *n.* a person who is seeking or being considered for some kind of position, title, honor, or award; a job applicant
146. fo____d the use of chemical weapons *v.* to order somebody not to do something, especially officially; to keep something from happening or arising
147. exposure to ra_____on *n.* the energy that comes from a nuclear reaction in the form of rays, waves, or particles and that can be hazardous to health
148. beauty s__t *n.* a particular location or place; a small round or roundish area, differing in color or feels from the surface around it
149. mi__o bubble *n.* extremely small in scale or scope; one millionth

ANSWERS: 138. subsequent, 139. strength, 140. rely, 141. afford, 142. crucial, 143. transform, 144. triumph, 145. candidate, 146. forbid, 147. radiation, 148. spot, 149. micro

150. co____de a meeting *v.* to come to an end or close; to reach a judgment or opinion by reasoning
151. high fr_____cy *n.* an ordered array of colors into which a light beam can be split
152. an_____ce candidacy *v.* to make something known or officially inform people about something
153. un__y the system *v.* to bring or join something together so that they form a single unit
154. pe_____ar people *adj.* odd and uncommon, sometimes in an unpleasant way
155. probabilistic qu_____m theory *n.* the smallest amount or unit of something, especially (electromagnetic) energy
156. me__l fabrication *n.* a solid material that is typically hard, shiny, malleable, fusible, and ductile, with good electrical and thermal conductivity, and often used as a structural material, a conductor of heat or electricity, or for decorative purposes
157. gray sq_____el *n.* a small to medium-sized rodent with a bushy tail, found in almost every part of the world
158. gen_____on gap *n.* all the people born and living at about the same time, regarded collectively; the production of heat or electricity
159. co___c background radiation *adj.* relating to the universe or cosmos; vast or limitless
160. po___c justice *adj.* of or relating to poetry (= a piece of writing that emphasizes the expression of feelings and ideas); using language in an imaginative and expressive way

ANSWERS: 150. conclude, 151. frequency, 152. announce, 153. unify, 154. peculiar, 155. quantum, 156. metal, 157. squirrel, 158. generation, 159. cosmic, 160. poetic

161. ex_____on project *n.* the process of becoming larger or more extensive, or the result of this process
162. ev___e over the past decade *v.* to develop gradually, or to cause the development of something or someone gradually
163. write el_____t sentences *adj.* pleasing and graceful in appearance or manner, or showing good taste and refinement
164. a member of the Ac_____y *n.* a school for special training; a type of official organization that aims to encourage and develop standards in its particular field
165. ast_____ng achievement *adj.* surprising or shocking; difficult to believe
166. a sm_____ng blow *adj.* very successful or impressive; causing something to be broken or destroyed
167. ma____t attraction *n.* an object or substance that can attract certain materials, such as iron or steel
168. mys_____us stranger *adj.* difficult to understand, explain, or identify; having an aura of secrecy, intrigue, or puzzlement
169. the biggest tree in ex_____ce *n.* the state or fact of someone or something existing
170. me_____n name *v.* to speak or write about something or someone briefly
171. h_p on one foot *v.* to jump lightly and quickly on one foot or both feet; to move rapidly from one place to another; to travel using an aircraft, bus, etc.

ANSWERS: 161. expansion, 162. evolve, 163. elegant, 164. academy, 165. astonishing, 166. smashing, 167. magnet, 168. mysterious, 169. existence, 170. mention, 171. hop

172. ar____ly the greatest discovery *adv.* used when expressing an opinion or idea that you believe can be proven true
173. find a cor_____ing lack *adj.* similar to, connected with, or accompanying something, especially in position or purpose
174. abound in in_____ty *n.* the quality of inventing things or solving problems in clever new ways
175. save the pl____t *n.* any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star
176. br__e pedal *n.* a device used to slow or stop a moving vehicle, typically by applying pressure to the wheels
177. neutral hydrogen a__ms *n.* the smallest unit of ordinary matter that forms a chemical element, composed of a nucleus and one or more electrons bound to the nucleus
178. driving di_____ce *n.* the amount of space between two points, measured in units such as miles, meters, or kilometers; the extent, scope, or range between two things, such as distance or emotional distance
179. so__d employment measures *adj.* hard or firm; characterized by good substantial quality
180. the great di_____ry of the century *n.* the act or process of finding information, a place, or an object, or learning about something that was previously not known

ANSWERS: 172. arguably, 173. corresponding, 174. ingenuity, 175. planet, 176. brake, 177. atom, 178. distance, 179. solid, 180. discovery

181. a l__e house in the field *adj.* solitary or single
182. sympathetic vi_____on *n.* a continuous quick and slight shaking movement
183. ac_____e success *v.* to successfully complete a task or goal, often through hard work, perseverance, and dedication; to attain or accomplish something that one has set out to do
184. 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
185. vi_____t incident *adj.* involving or caused by physical force or aggression against someone or something
186. gloomy pre_____ons *n.* the act of predicting the future by reasoning; a statement made about the future
187. a gr_____l change *adj.* happening slowly over a long period of time or distance; not steep or abrupt
188. fun_____al education *adj.* forming an essential base or core from which everything else develops or is affected
189. ac_____e milestones *v.* to successfully complete a task or goal, often through hard work, perseverance, and dedication; to attain or accomplish something that one has set out to do
190. distance g_p *n.* a conspicuous disparity or difference separates something such as a figure, people, their opinions, situation, etc.

ANSWERS: 181. lone, 182. vibration, 183. achieve, 184. universe, 185. violent, 186. prediction, 187. gradual, 188. fundamental, 189. achieve, 190. gap

191. g__m mood *adj.* looking or feeling dejected; characterized by a gloomy or depressed mood
192. m__t the ice *v.* to turn from something solid into something soft or liquid as a result of heating
193. strong in al____a *n.* a type of mathematics in which signs and letters represent numbers
194. z__m in on a photo *v.* to move along very quickly; (noun) the act of rising upward into the air
195. a scientific di____ry *n.* the act or process of finding information, a place, or an object, or learning about something that was previously not known
196. ex___d agricultural output *v.* to increase or to make something greater in size, number, or importance
197. give sm____ng results *adj.* very successful or impressive; causing something to be broken or destroyed
198. fo___d smoking in public areas *v.* to order somebody not to do something, especially officially; to keep something from happening or arising
199. des_____ly ill patient *adv.* in a way that shows a lack of hope and a willingness to do anything because of the problematic situation; with great urgency
200. ast_____cal observation *adj.* relating to astronomy or the study of celestial bodies and phenomena; very large or immense in scale or magnitude
201. untamed wil_____ss *n.* a large, uncultivated, and sparsely populated area of land, often dense with trees and other vegetation; a region or area that is largely uninhabited, untouched by human development, or not subject to commercial exploitation

ANSWERS: 191. glum, 192. melt, 193. algebra, 194. zoom, 195. discovery, 196. expand, 197. smashing, 198. forbid, 199. desperately, 200. astronomical, 201. wilderness

202. h__t of trouble	<i>n.</i> an indirect suggestion; a slight but appreciable amount of something
203. r__y on convenience stores	<i>v.</i> to require a specific thing or the assistance and support of someone or something to continue, run properly, or succeed.
204. co_____e the value	<i>v.</i> to make a mathematical calculation
205. increase sl_____ly	<i>adv.</i> in a small degree or extent; a little
206. abs_____ly obsessed with the girl	<i>adv.</i> without restriction or limitation; completely or utterly
207. permanent br__n damage	<i>n.</i> the organ inside the head that is responsible for one's movement, thought, memory, and feeling
208. op_____e 24 hours a day	<i>v.</i> to work in a particular way; to supervise something
209. the con_____ce of an argument	<i>n.</i> the outcome of a particular action or event, especially relative to an individual
210. f__t accomplishment	<i>n.</i> a notable or impressive achievement, especially one that requires great skill or bravery
211. fin_____ng of a financial plan	<i>n.</i> the act of making small adjustments or changes to improve or optimize the performance, quality, or effectiveness of something
212. sh_____wn operation	<i>n.</i> the act of stopping or ceasing operation or activity; a temporary or permanent closure or halt to a system, organization, or service

ANSWERS: 202. hint, 203. rely, 204. compute, 205. slightly, 206. absolutely, 207. brain, 208. operate, 209. consequence, 210. feat, 211. fine-tuning, 212. shutdown

213. w__z through the book *v.* to move or run quickly and smoothly with a hissing or buzzing sound; to excel or perform skillfully in a particular area; to urinate; (noun) a person who is very clever or skilled at something
214. the ul____te luxury *adj.* furthest or highest in degree or order
215. gi____ic proportions *adj.* extremely large
216. ex____ng news *adj.* causing a lot of interest or excitement
217. fin____ng process *n.* the act of making small adjustments or changes to improve or optimize the performance, quality, or effectiveness of something
218. bo____g work *adj.* lacking interest or excitement; tedious or dull
219. fr____cy band *n.* an ordered array of colors into which a light beam can be split
220. re____ve factors *adj.* considered and evaluated through comparison with something else
221. de____t smuggling across borders *v.* to find or recognize something, especially something difficult to see, hear, etc.
222. z__m lens *v.* to move along very quickly; (noun) the act of rising upward into the air
223. fr____te the advancement *v.* to hinder or prevent efforts, plans, or desires from doing, succeeding, or being fulfilled; to make someone feel upset or annoyed because they are unable to change or achieve something

ANSWERS: 213. whiz, 214. ultimate, 215. gigantic, 216. exciting, 217. fine-tuning, 218. boring, 219. frequency, 220. relative, 221. detect, 222. zoom, 223. frustrate

224. po___c genius *adj.* of or relating to poetry (= a piece of writing that emphasizes the expression of feelings and ideas); using language in an imaginative and expressive way
225. series of exp_____nts *n.* the scientific test conducted to observe what happens and gain new knowledge
226. ex___e rebellion *v.* to make someone feel suddenly enthusiastic or eager
227. the mul_____se hypothesis *n.* a hypothetical space or realm consisting of multiple universes, of which our universe is just one of them
228. two-ph__e structure *n.* any stage in a series of events, change, or development
229. sl_____ly alkaline soils *adv.* in a small degree or extent; a little
230. es_____te a fair value *v.* to guess or calculate the cost, size, value, etc. of something
231. nuclear ph_____s *n.* the science of matter and energy and their interactions
232. dawn of a new e_a *n.* a period that is distinct from others, typically in history
233. v__t desert *adj.* enormous in size, number, amount, or quantity
234. amateur ast_____er *n.* a physicist who studies astronomy
235. co_____e an average score *v.* to make a mathematical calculation
236. a friendly con_____ion *n.* an informal talk between two or more people to exchange their views, ideas, information, etc.

ANSWERS: 224. poetic, 225. experiment, 226. excite, 227. multiverse, 228. phase, 229. slightly, 230. estimate, 231. physics, 232. era, 233. vast, 234. astronomer, 235. compute, 236. conversation

237. so__d ally *adj.* hard or firm; characterized by good substantial quality
238. it is un____ly that he would win the game *adj.* not probable or likely to happen
239. buy the company's st__e *n.* a share or financial investment in something such as a business; a wooden or metal post set up to mark something
240. reduce sub_____nt mortality *adj.* happening or occurring later or after something else
241. an ac_____y of music *n.* a school for special training; a type of official organization that aims to encourage and develop standards in its particular field
242. ha__y a suspect *v.* to persistently harass, badger, or bother someone or something; to persistently attack or pursue an opposing force or target
243. n__b with cold *adj.* unable to feel physical sensation and movement; not showing human feeling or sensitivity
244. pa_____le energy *n.* a small piece of something; a word or piece of a term with grammatical function but little or no significance
245. the ul_____te goal in life *adj.* furthest or highest in degree or order
246. the_____al physicist *adj.* relating to the concepts and principles upon which a particular topic is founded, rather than practice and experience

ANSWERS: 237. solid, 238. unlikely, 239. stake, 240. subsequent, 241. academy, 242. harry, 243. numb, 244. particle, 245. ultimate, 246. theoretical

247. charged pa____le *n.* a small piece of something; a word or piece of a term with grammatical function but little or no significance
248. me_____cs of the game *n.* the branch of physics that deals with the study of motion, forces, and energy; (mechanic) someone whose occupation is repairing and maintaining automobiles
249. as_____te with people widely *v.* to mentally connect someone or something with someone or something else
250. re____l a plan *v.* to make known or disclose something that was previously hidden, secret, or unknown; to unveil or show something that was concealed or not visible
251. talented ph_____st *n.* a scientist who specializes in the field of physics
252. intellectual f__t *n.* a notable or impressive achievement, especially one that requires great skill or bravery
253. pe_____ar way *adj.* odd and uncommon, sometimes in an unpleasant way
254. co_____e in midair *v.* to hit something violently when moving
255. victim of cat_____hic injuries *adj.* extremely harmful; causing physical or financial destruction
256. con_____ion in English *n.* an informal talk between two or more people to exchange their views, ideas, information, etc.
257. un_____ly event *adj.* not probable or likely to happen

ANSWERS: 247. particle, 248. mechanics, 249. associate, 250. reveal, 251. physicist, 252. feat, 253. peculiar, 254. collide, 255. catastrophic, 256. conversation, 257. unlikely

258. some une_____ed events *adj.* not anticipated or regarded as likely to happen
259. fun_____al rights *adj.* forming an essential base or core from which everything else develops or is affected
260. art cr____c *n.* someone who expresses opinions about the quality of books, music, etc.
261. 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
262. gi_____ic monsters *adj.* extremely large
263. em_____ng technologies *adj.* starting to exist, mature, or become well-known
264. the wo_____ce is on strike *n.* all the people who work in a company, industry, country, etc.
265. st__k a key in a lock *v.* to put something, usually a sharp object, into something; to restrict yourself to doing or using one certain thing and not change; (noun) a thin piece of wood or other material
266. ca_____te selection *n.* a person who is seeking or being considered for some kind of position, title, honor, or award; a job applicant
267. she is ar_____ly the best singer *adv.* used when expressing an opinion or idea that you believe can be proven true
268. detailed exp_____on *n.* the information or arguments that someone provides to make something understandable or clear

ANSWERS: 258. unexpected, 259. fundamental, 260. critic, 261. observe, 262. gigantic, 263. emerging, 264. workforce, 265. stick, 266. candidate, 267. arguably, 268. explanation

269. es_____al commodities of life *adj.* indispensable; fundamental
270. wi_____nd temptation *v.* to resist the effect or impact of something
271. unq_____bly safe *adv.* without a doubt; certainly
272. a fa_____ic dress *adj.* extremely good; excellent
273. the state of being we__d *adj.* extraordinary, unexpected, or difficult to explain
274. explore the wil_____ss *n.* a large, uncultivated, and sparsely populated area of land, often dense with trees and other vegetation; a region or area that is largely uninhabited, untouched by human development, or not subject to commercial exploitation
275. mo_____ze cooperation *v.* to make something ready for action or use; to organize people or resources for a particular purpose
276. st_____ng disclosure *adj.* causing a strong emotional reaction of admiration, surprise, or shock due to its beauty, rarity, or excellence
277. a ma_____ic tape *adj.* having the properties of attracting or repelling certain materials containing iron or steel
278. al_____a calculation *n.* a type of mathematics in which signs and letters represent numbers
279. literary mas_____ce *n.* a work of art that is exceptionally good or highly skilled; a great achievement
280. beg for for_____ss *n.* the act of stopping feeling angry or resentful towards someone for a mistake or offense with compassion

ANSWERS: 269. essential, 270. withstand, 271. unquestionably, 272. fantastic, 273. weird, 274. wilderness, 275. mobilize, 276. stunning, 277. magnetic, 278. algebra, 279. masterpiece, 280. forgiveness

281. agile sq_____el *n.* a small to medium-sized rodent with a bushy tail, found in almost every part of the world
282. many tr_____ons of dollars *n.* the number 1,000,000,000,000; a million million
283. a l___e flight *adj.* solitary or single
284. l___p in the throat *n.* a small, irregularly shaped mass or piece, typically of a soft substance such as coal, flour, or dough
285. ev_____e *v.* to develop gradually, or to cause the development of something or someone gradually
286. un___y the party *v.* to bring or join something together so that they form a single unit
287. fr_____te other team members *v.* to hinder or prevent efforts, plans, or desires from doing, succeeding, or being fulfilled; to make someone feel upset or annoyed because they are unable to change or achieve something
288. en_____us potential *adj.* extremely large or great
289. 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
290. execution by burning at a st___e *n.* a share or financial investment in something such as a business; a wooden or metal post set up to mark something

ANSWERS: 281. squirrel, 282. trillion, 283. lone, 284. lump, 285. evolve, 286. unify, 287. frustrate, 288. enormous, 289. universe, 290. stake

291. unq_____bly bad *adv.* without a doubt; certainly
292. social di_____ce *n.* the amount of space between two points, measured in units such as miles, meters, or kilometers; the extent, scope, or range between two things, such as distance or emotional distance
293. co_____e head-on *v.* to hit something violently when moving
294. unintended con_____ces *n.* the outcome of a particular action or event, especially relative to an individual
295. heir ap_____nt *adj.* able to see or understand easily or clearly
296. the struggle for ex_____ce *n.* the state or fact of someone or something existing
297. second co____c velocity *adj.* relating to the universe or cosmos; vast or limitless
298. a seafaring na____n *n.* a large organized community of people living in a particular country or region and having a particular culture
299. ea_____t conversation *adj.* characterized by sincere and severe conviction or effort; showing a deep and a genuine sense of purpose or commitment
300. boundless cu_____ty *n.* a strong desire to know or learn about something
301. tr_____rm heat into power *v.* to change in outward structure or looks;
302. exp_____nt design *n.* the scientific test conducted to observe what happens and gain new knowledge

ANSWERS: 291. unquestionably, 292. distance, 293. collide, 294. consequence, 295. apparent, 296. existence, 297. cosmic, 298. nation, 299. earnest, 300. curiosity, 301. transform, 302. experiment

303. the_____al models *adj.* relating to the concepts and principles upon which a particular topic is founded, rather than practice and experience
304. the qu__t for truth *n.* a long or challenging search for something
305. wi_____nd pressure *v.* to resist the effect or impact of something
306. me_____n in a report *v.* to speak or write about something or someone briefly
307. pr_____le cause of a fire *adj.* likely to happen or likely to be true
308. protection against vi_____on *n.* a continuous quick and slight shaking movement
309. g__m expression *adj.* looking or feeling dejected; characterized by a gloomy or depressed mood
310. ha__y the ship all night *v.* to persistently harass, badger, or bother someone or something; to persistently attack or pursue an opposing force or target
311. tr_____on cubic feet *n.* the number 1,000,000,000,000; a million million
312. co_____on detection *n.* an instance of two or more objects or entities crashing into each other, usually resulting in damage, impact, or conflict
313. manually op_____e a machine *v.* to work in a particular way; to supervise something
314. solar ast_____er *n.* a physicist who studies astronomy

ANSWERS: 303. theoretical, 304. quest, 305. withstand, 306. mention, 307. probable, 308. vibration, 309. glum, 310. harry, 311. trillion, 312. collision, 313. operate, 314. astronomer

315. di____ve the conjecture *v.* to show that something is not true or correct
316. enforce rev_____ary justice *adj.* relating to or characterized by a complete or dramatic change
317. fire st__k *v.* to put something, usually a sharp object, into something; to restrict yourself to doing or using one certain thing and not change; (noun) a thin piece of wood or other material
318. a gr_____l process *adj.* happening slowly over a long period of time or distance; not steep or abrupt
319. absolutely fa_____ic event *adj.* extremely good; excellent
320. critical m__s *n.* a large amount of a substance with no definite shape or form; a large number of people or things grouped or crowded together
321. pl____t like the Earth *n.* any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star
322. basic br__n function *n.* the organ inside the head that is responsible for one's movement, thought, memory, and feeling
323. at___c bomb *adj.* of or relating to atom (= the smallest component of an element)
324. tense piano st____gs *n.* long, thin material used for tying things together, composed of several twisted threads
325. ca_____e customers' hearts *v.* to catch a person or an animal and confine them in an area which they cannot escape

ANSWERS: 315. disprove, 316. revolutionary, 317. stick, 318. gradual, 319. fantastic, 320. mass, 321. planet, 322. brain, 323. atomic, 324. string, 325. capture

326. na___n-state *n.* a large organized community of people living in a particular country or region and having a particular culture
327. make a fu___e protest *adj.* incapable of producing any useful result; pointless
328. the attraction of gr____y *n.* the force that attracts a body towards the center of the earth or towards any other physical body having mass; a manner that is solemn
329. ex_____ng football player *adj.* causing a lot of interest or excitement
330. ast_____cal numbers *adj.* relating to astronomy or the study of celestial bodies and phenomena; very large or immense in scale or magnitude
331. ca_____e a glimpse *v.* to catch a person or an animal and confine them in an area which they cannot escape
332. pr_____ng idea *adj.* having the potential to be successful, helpful, or beneficial; showing signs of future success or achievement
333. theoretical ph_____st *n.* a scientist who specializes in the field of physics
334. government sh_____wn *n.* the act of stopping or ceasing operation or activity; a temporary or permanent closure or halt to a system, organization, or service
335. ma_____ic field *adj.* having the properties of attracting or repelling certain materials containing iron or steel
336. axial sy_____ry *n.* balance or proportion in design or structure, with elements arranged evenly on either side of an axis

ANSWERS: 326. nation, 327. futile, 328. gravity, 329. exciting, 330. astronomical, 331. capture, 332. promising, 333. physicist, 334. shutdown, 335. magnetic, 336. symmetry

337. 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
338. a person who is sus_____us *adj.* making you feel that someone has done something wrong, illegal, or dishonest without any evidence
339. co_____de that he is healthy *v.* to come to an end or close; to reach a judgment or opinion by reasoning
340. st_____ng beauty *adj.* causing a strong emotional reaction of admiration, surprise, or shock due to its beauty, rarity, or excellence
341. cl__f diving *n.* a steep rock face, especially one at the edge of the sea or a river
342. as_____te alcohol with gambling *v.* to mentally connect someone or something with someone or something else

ANSWERS: 337. observe, 338. suspicious, 339. conclude, 340. stunning, 341. cliff, 342. associate

Session 3: Fill in the Blanks

1. Shakespeare's output of poetry was _____.
adj. extremely large or great
2. He moved his body _____ to the left.
adv. in a small degree or extent; a little
3. Health and _____ are, above all, gold.
n. the quality or state of being physically, or sometimes mentally, strong
4. It seems _____ that he has forgotten our scheduled meeting.
adj. likely to happen or likely to be true
5. The various universes within the _____ are sometimes called parallel universes.
n. a hypothetical space or realm consisting of multiple universes, of which our universe is just one of them
6. The politician's rhetoric was so _____ that many people refused to vote for him.
adj. causing strong dislike or disgust; offensive, unpleasant, or grotesque; resisting or rejecting contact or influence
7. Her research team made an important _____.
n. the act or process of finding information, a place, or an object, or learning about something that was previously not known
8. The _____ to the new class was informative and engaging.
n. a preliminary explanation or remarks given before the start of a text, performance, or event; the act of bringing something new into existence or introducing something to a wider audience or new market

ANSWERS: 1. enormous, 2. slightly, 3. strength, 4. probable, 5. multiverse, 6. repulsive, 7. discovery, 8. introduction

9. My left arm became _____.

adj. unable to feel physical sensation and movement; not showing human feeling or sensitivity

10. The outermost electron shell of an _____ determines its chemical characteristics.

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

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

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

12. The revitalization of technology companies is _____ to the country's growth.

adj. extremely vital or necessary

13. She wore an _____ evening gown to the gala.

adj. pleasing and graceful in appearance or manner, or showing good taste and refinement

14. _____ he was the best candidate for the job.

adv. without a doubt; certainly

15. 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

16. The new phone is waterproof and can _____ being dropped in water.

v. to resist the effect or impact of something

ANSWERS: 9. numb, 10. atom, 11. magnetic, 12. crucial, 13. elegant, 14. Unquestionably, 15. structure, 16. withstand

17. The ____ of people who do not own property is politically impotent.
n. a large amount of a substance with no definite shape or form; a large number of people or things grouped or crowded together
18. There is a small ____ on my neck, and I'm concerned about it.
n. a small, irregularly shaped mass or piece, typically of a soft substance such as coal, flour, or dough
19. Einstein was an outstanding and famous _____ of the 20th century.
n. a scientist who specializes in the field of physics
20. The designer's _____ was to create a minimalist aesthetic for the interior of the building.
n. a strong determination or attention to do or achieve something; (adjective) having a strong determination to do or achieve something
21. My computer has been acting _____ recently.
adj. extraordinary, unexpected, or difficult to explain
22. The issue of the death penalty is highly _____.
adj. causing a lot of hot public discussion and dispute
23. The juice has a _____ taste.
adj. odd and uncommon, sometimes in an unpleasant way
24. I _____ to him that I had seen his sister at the grocery store earlier that day.
v. to speak or write about something or someone briefly
25. I was able to _____ the moment on film.
v. to catch a person or an animal and confine them in an area which they cannot escape

ANSWERS: 17. mass, 18. lump, 19. physicist, 20. intent, 21. weird, 22. controversial, 23. peculiar, 24. mentioned, 25. capture

26. The findings of the experiment were both _____ and unexpected.
adj. causing a lot of interest or excitement
27. A _____ audience viewed the broadcast.
adj. enormous in size, number, amount, or quantity
28. Your _____ reflects your thoughts.
n. an informal talk between two or more people to exchange their views, ideas, information, etc.
29. She looked _____ after receiving the disappointing news.
adj. looking or feeling dejected; characterized by a gloomy or depressed mood
30. The younger _____ has different values and beliefs than the older one.
n. all the people born and living at about the same time, regarded collectively; the production of heat or electricity
31. This approach employs both _____ and macro analysis methods.
n. extremely small in scale or scope; one millionth
32. The search for new _____ particles is one of the most exciting areas of modern physics.
n. a type of subatomic particle that follows Bose-Einstein statistics, which determine how identical particles with integer spins behave
33. The military _____ troops to the border.
v. to make something ready for action or use; to organize people or resources for a particular purpose

ANSWERS: 26. exciting, 27. vast, 28. conversation, 29. glum, 30. generation, 31. micro, 32. boson, 33. mobilized

34. He was so hungry from the long journey that he had a _____ appetite.

adj. extremely large

35. _____ technologies have dramatically improved productivity in various industries.

adj. starting to exist, mature, or become well-known

36. The _____ traveler walked along the deserted road.

adj. solitary or single

37. Who answers _____ knows little.

adv. quickly and unexpectedly

38. These results muddied the _____.

n. the act of predicting the future by reasoning; a statement made about the future

39. This year's _____ gathering will be held in Canada.

adj. important and large in size, scope, or extent

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

adv. completely or absolutely

41. The Milky Way _____ has numerous water-bearing planets.

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

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

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

ANSWERS: 34. gigantic, 35. Emerging, 36. lone, 37. suddenly, 38. prediction, 39. grand, 40. utterly, 41. galaxy, 42. barren

43. The _____ number on the dial was 3.

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

44. The government established by the coup was more _____ than before.

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

45. The team's _____ in the championship resulted from their hard work and dedication.

n. a great victory or achievement

46. Malignant hypertension is the most _____ form of hypertension.

adj. causing or capable of causing death; extremely dangerous

47. It was _____ to try and fix the broken vase, as it was too badly damaged.

adj. incapable of producing any useful result; pointless

48. Many companies outsource and hire consultants to keep their _____ flexible.

n. all the people who work in a company, industry, country, etc.

49. The _____ of water is called ice.

adj. hard or firm; characterized by good substantial quality

50. The news of her promotion _____ her.

v. to make someone feel suddenly enthusiastic or eager

51. Eyeless fish _____ in dark caves.

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

ANSWERS: 43. corresponding, 44. radical, 45. triumph, 46. lethal, 47. futile, 48. workforce, 49. solid-state, 50. excited, 51. evolved

52. The baby clung _____ to her mother.

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

53. Absolute zero is the lowest _____ temperature.

adj. relating to the concepts and principles upon which a particular topic is founded, rather than practice and experience

54. Political corruption was common throughout the postwar ____.

n. a period that is distinct from others, typically in history

55. She wore a _____ of pearls around her neck.

n. long, thin material used for tying things together, composed of several twisted threads

56. The _____ in the park were very friendly and came right up to us looking for food.

n. a small to medium-sized rodent with a bushy tail, found in almost every part of the world

57. The majority of consumers _____ this brand with quality.

v. to mentally connect someone or something with someone or something else

58. The company is undergoing an _____ opening new locations in several states.

n. the process of becoming larger or more extensive, or the result of this process

59. The _____ leader inspired others to join the fight for freedom and democracy.

adj. relating to or characterized by a complete or dramatic change

ANSWERS: 52. desperately, 53. theoretical, 54. era, 55. string, 56. squirrels, 57. associate, 58. expansion, 59. revolutionary

60. Deer, squirrels, and birds primarily _____ the forest.

- v.* to inhabit or occupy a particular area, region, or environment with a certain number or type of people, animals, or plants; to fill out or complete a form, document, or database with relevant information

61. Mercury is the closest _____ to the sun.

- n.* any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star

62. The hiker got lost in the _____ and had to be rescued by search and rescue.

- n.* a large, uncultivated, and sparsely populated area of land, often dense with trees and other vegetation; a region or area that is largely uninhabited, untouched by human development, or not subject to commercial exploitation

63. The construction worker used a _____ saw to cut through the stubborn sheet metal.

- n.* a solid material that is typically hard, shiny, malleable, fusible, and ductile, with good electrical and thermal conductivity, and often used as a structural material, a conductor of heat or electricity, or for decorative purposes

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

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

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

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

66. Her new documentary earned her an _____ Award.

- n.* a school for special training; a type of official organization that aims to encourage and develop standards in its particular field

ANSWERS: 60. populate, 61. planet, 62. wilderness, 63. metal, 64. Cosmic, 65. magnets, 66. Academy

67. The third season of the anime show has been _____.
- v.* to make something known or officially inform people about something
68. I always carry a backup _____ in case my phone runs out of battery.
- n.* a piece of equipment, tool, or technology that serves a particular purpose or function, often mechanical or electronic
69. Many people are working together to close the gender _____.
- n.* a conspicuous disparity or difference separates something such as a figure, people, their opinions, situation, etc.
70. There was no _____ of a problem.
- n.* an indirect suggestion; a slight but appreciable amount of something
71. The police couldn't find a _____ to her whereabouts.
- n.* an object, a piece of evidence, or some information that helps someone to find the answer to a problem, question, or mystery
72. The sunset was so beautiful it looked like a _____ scene from a movie.
- adj.* of or relating to poetry (= a piece of writing that emphasizes the expression of feelings and ideas); using language in an imaginative and expressive way
73. The company announced a temporary _____ due to the pandemic.
- n.* the act of stopping or ceasing operation or activity; a temporary or permanent closure or halt to a system, organization, or service
74. Big techs are now eager to develop _____ computers.
- n.* the smallest amount or unit of something, especially (electromagnetic) energy

ANSWERS: 67. announced, 68. device, 69. gap, 70. hint, 71. clue, 72. poetic, 73. shutdown, 74. quantum

75. He spoke in an _____ tone, expressing his genuine concern for the safety of everyone involved.
adj. characterized by sincere and severe conviction or effort; showing a deep and a genuine sense of purpose or commitment
76. The security camera has _____ four intruders.
v. to find or recognize something, especially something difficult to see, hear, etc.
77. My father tried to _____ mathematics into my head since childhood.
v. to hit or cause to hit something in a way that makes a loud noise
78. The _____ rainstorm caused the collapse of the corral.
adj. not anticipated or regarded as likely to happen
79. _____ displaced part of the mechanism.
n. a continuous quick and slight shaking movement
80. My father's death _____ my life completely.
v. to change in outward structure or looks;
81. This machine is too difficult to _____ for me.
v. to work in a particular way; to supervise something
82. The _____ to the safe was a secret.
n. a collection of things that have been combined; an assemblage of separate parts or qualities
83. The following _____ is currently being used to explain the phenomenon in question.
n. the information or arguments that someone provides to make something understandable or clear

ANSWERS: 75. earnest, 76. detected, 77. bang, 78. unexpected, 79. Vibration, 80. transformed, 81. operate, 82. combination, 83. explanation

84. We carefully examine each _____ transaction report we receive.
adj. making you feel that someone has done something wrong, illegal, or dishonest without any evidence
85. This remote _____ is rarely visited.
n. a particular location or place; a small round or roundish area, differing in color or feels from the surface around it
86. The building had a _____ pattern that was pleasing to the eye.
n. balance or proportion in design or structure, with elements arranged evenly on either side of an axis
87. The era of the industrial revolution was a crucial _____ of history.
n. any stage in a series of events, change, or development
88. The news of her sudden death was _____ to everyone who knew her.
adj. surprising or shocking; difficult to believe
89. He studied _____ in college and now works as an engineer.
n. the branch of physics that deals with the study of motion, forces, and energy; (mechanic) someone whose occupation is repairing and maintaining automobiles
90. We _____ a cease-fire.
v. to come to an end or close; to reach a judgment or opinion by reasoning
91. During the flight, the wings of the plane _____.
v. to move or cause anything to move fast and in small increments from side to side

ANSWERS: 84. suspicious, 85. spot, 86. symmetry, 87. phase, 88. astonishing, 89. mechanics, 90. concluded, 91. vibrate

92. The protesters became _____ when the police tried to disperse them.

adj. involving or caused by physical force or aggression against someone or something

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

adj. extremely good; excellent

94. The researchers were unable to _____ the theory.

v. to show that something is not true or correct

95. I tried to _____ the efficiency of the investment.

v. to make a mathematical calculation

96. The country experienced a _____ increase in population.

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

97. The _____ of tectonic plates can result in new mountain ranges, such as the Himalayas or the Alps.

n. an instance of two or more objects or entities crashing into each other, usually resulting in damage, impact, or conflict

98. _____ dropping wears away the stone.

adj. happening repeatedly or all the time

99. The cost of the new equipment was _____ and beyond the company's budget.

adj. relating to astronomy or the study of celestial bodies and phenomena; very large or immense in scale or magnitude

ANSWERS: 92. violent, 93. fantastic, 94. disprove, 95. compute, 96. gradual, 97. collision, 98. Constant, 99. astronomical

100. This star is _____ to the naked eye.

adj. able to see or understand easily or clearly

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

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

102. I will work hard to _____ my goals and realize my dreams.

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

103. This question has fascinated solar _____ for decades.

n. a physicist who studies astronomy

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

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

105. 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

106. He was an atheist and therefore did not believe in the _____ of heaven or hell.

n. the state or fact of someone or something existing

107. We _____ the season's total trade deficit at \$50 billion.

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

ANSWERS: 100. apparent, 101. ingenuity, 102. achieve, 103. astronomers, 104. radiation, 105. brain, 106. existence, 107. estimated

108. Please use the _____ to clean up the mess on the floor.
- n.* a space empty of matter; a device or tool used for cleaning or removing debris by creating suction
109. He gained debt _____.
- n.* the act of stopping feeling angry or resentful towards someone for a mistake or offense with compassion
110. Several top teams scouted _____ young athletes.
- adj.* having the potential to be successful, helpful, or beneficial; showing signs of future success or achievement
111. They hope to _____ their business worldwide.
- v.* to increase or to make something greater in size, number, or importance
112. Her resistance _____ under his persuasion.
- v.* to turn from something solid into something soft or liquid as a result of heating
113. He studied the _____ of radiation.
- n.* the science of matter and energy and their interactions
114. The lecture was so _____ that many people fell asleep.
- adj.* lacking interest or excitement; tedious or dull
115. The astronaut felt weightless in space due to the absence of _____.
- n.* the force that attracts a body towards the center of the earth or towards any other physical body having mass; a manner that is solemn
116. He had a deep passion for extragalactic _____ and spent hours observing the night sky.
- n.* the scientific study of objects and matter outside the Earth's atmosphere, especially the positions, motions, and evolution of celestial bodies

ANSWERS: 108. vacuum, 109. forgiveness, 110. promising, 111. expand, 112. melted, 113. physics, 114. boring, 115. gravity, 116. astronomy

117. His classmates were laboring with advanced _____.

n. a type of mathematics in which signs and letters represent numbers

118. The marathon runner covered a long _____ in a short amount of time.

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

119. Carbon has an _____ mass of 12.

adj. of or relating to atom (= the smallest component of an element)

120. Solar gravity creates _____ pressures and temperatures.

adj. very great in amount or degree

121. Most countries prohibit sexual activity between certain close _____.

adj. considered and evaluated through comparison with something else

122. I decided to seek counseling on the advice of my _____.

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

123. These economic activities had disastrous environmental _____.

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

124. The plant had a _____ appearance, indicating that it was not getting enough water.

adj. without life; dead

125. We must _____ a new system to streamline our workflow and increase efficiency.

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

ANSWERS: 117. algebra, 118. distance, 119. atomic, 120. extreme, 121. relatives, 122. colleague, 123. consequences, 124. lifeless, 125. develop

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

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

127. The _____ of the car engine made it run more smoothly.

n. the act of making small adjustments or changes to improve or optimize the performance, quality, or effectiveness of something

128. The _____ disappearance of the ship remains unsolved.

adj. difficult to understand, explain, or identify; having an aura of secrecy, intrigue, or puzzlement

129. We are motivated by _____ rather than necessity.

n. a strong desire to know or learn about something

130. Babies heavily _____ on others for food.

v. to require a specific thing or the assistance and support of someone or something to continue, run properly, or succeed.

131. The band's new album was a _____ success, reaching the top of the charts.

adj. very successful or impressive; causing something to be broken or destroyed

132. The _____ of Japan is known for its unique culture and advanced technology.

n. a large organized community of people living in a particular country or region and having a particular culture

133. The extinction rate of aquatic animals was _____.

adj. extremely harmful; causing physical or financial destruction

134. The passage of the bill is _____.

adj. not probable or likely to happen

ANSWERS: 126. zoomed, 127. fine-tuning, 128. mysterious, 129. curiosity, 130. rely, 131. smashing, 132. nation, 133. catastrophic, 134. unlikely

135. The detective carefully _____ the true identity of the murderer.
- v.* to make known or disclose something that was previously hidden, secret, or unknown; to unveil or show something that was concealed or not visible
136. 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
137. 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
138. His _____ showed highly positive results.
- n.* the scientific test conducted to observe what happens and gain new knowledge
139. Educating hundreds of thousands of recruits is a _____ task.
- adj.* extremely surprising or overwhelming and, therefore, difficult to understand or imagine
140. The president prepared several possible _____ for an enemy attack.
- n.* a description of possible actions or events in the future; a written outline of a play, film, or literary work
141. The government should not try to _____ the economy excessively based on a short-term prediction.
- v.* to make tiny changes or improvements to make it work as well as possible
142. The oscillator hunts for the correct _____.
- n.* an ordered array of colors into which a light beam can be split

ANSWERS: 135. revealed, 136. universe, 137. observe, 138. experiments, 139. mind-boggling, 140. scenarios, 141. fine-tune, 142. frequency

143. The interests of the two countries _____.

v. to hit something violently when moving

144. 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

145. The _____ platform focused on healthcare reform and reducing income inequality.

n. a person who is seeking or being considered for some kind of position, title, honor, or award; a job applicant

146. One light year is nearly 6 _____ miles.

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

147. His statement was filled with _____ that made it difficult to take seriously.

n. the assertion of the opposite of what has been said; opposition; denial

148. The _____ of the company is too high nowadays.

n. a share or financial investment in something such as a business; a wooden or metal post set up to mark something

149. He is _____ regarded as the finest actor of his generation.

adv. used when expressing an opinion or idea that you believe can be proven true

150. He cannot _____ a holiday.

v. to have enough money or time to be able to buy or do something

ANSWERS: 143. collide, 144. particles, 145. candidate's, 146. trillion, 147. contradictions, 148. stake, 149. arguably, 150. afford

151. The coach explained a strategy to _____ the opponent's schemes to the players.
- v. to hinder or prevent efforts, plans, or desires from doing, succeeding, or being fulfilled; to make someone feel upset or annoyed because they are unable to change or achieve something
152. Trial and error is an _____ part of education.
- adj. indispensable; fundamental
153. The _____ sunset took everyone's breath away.
- adj. causing a strong emotional reaction of admiration, surprise, or shock due to its beauty, rarity, or excellence
154. Overall _____ are approximately 400x200mm.
- n. a measurable extent of a particular kind, such as width, height, or length
155. Management must take _____ responsibility for the accident.
- adj. furthest or highest in degree or order
156. Advocates for legal reform hear less harsh words from their _____.
- n. someone who expresses opinions about the quality of books, music, etc.
157. The racing car _____ past the grandstands, leaving a trail of dust behind it.
- v. to move or run quickly and smoothly with a hissing or buzzing sound; to excel or perform skillfully in a particular area; to urinate; (noun) a person who is very clever or skilled at something
158. God _____ you should regret your marriage.
- v. to order somebody not to do something, especially officially; to keep something from happening or arising

ANSWERS: 151. frustrate, 152. essential, 153. stunning, 154. dimensions, 155. ultimate, 156. critics, 157. whizzed, 158. forbid

159. The results of that election put a _____ on political reform.

n. a device used to slow or stop a moving vehicle, typically by applying pressure to the wheels

160. The rabbit _____ over the fence.

v. to jump lightly and quickly on one foot or both feet; to move rapidly from one place to another; to travel using an aircraft, bus, etc.

161. The people believe that they can _____ the country.

v. to bring or join something together so that they form a single unit

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

adv. without restriction or limitation; completely or utterly

163. That adventurer traveled in _____ of buried treasure.

n. a long or challenging search for something

164. He stood at the edge of the _____ and looked out to sea.

n. a steep rock face, especially one at the edge of the sea or a river

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

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

166. Human behavior has _____ characteristics.

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

ANSWERS: 159. brake, 160. hopped, 161. unify, 162. absolutely, 163. quest, 164. cliff, 165. stick, 166. fundamental

167. It is an incredible _____ to climb Mount Everest, the highest mountain in the world.

- n.* a notable or impressive achievement, especially one that requires great skill or bravery

168. I need to _____ my coworkers to finish the project on time.

- v.* to persistently harass, badger, or bother someone or something; to persistently attack or pursue an opposing force or target

169. The Mona Lisa is widely considered to be a _____ of art.

- n.* a work of art that is exceptionally good or highly skilled; a great achievement

170. In the _____ meeting, the team discussed ways to improve productivity.

- adj.* happening or occurring later or after something else

171. The feminist _____ criticized traditional models of gender roles and argued for greater equality between the sexes.

- n.* a person who develops or formulates theories about a particular subject, especially in the sciences or social sciences; someone who engages in theoretical thinking or speculation

ANSWERS: 167. feat, 168. harry, 169. masterpiece, 170. subsequent, 171. theorist