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Vocabulary Builder Reference from...

Peter Diamandis: Our next giant leap | TED Talk

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

All Words

IMPORTANT

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Session 1: Word List

lifetime

n. the duration of someone's life or something's existence;
synonym: lifespan, duration

(1) **lifetime** benefits, (2) **lifetime** ban from the sport
She had lived through two world wars in her **lifetime**.

transition

n. the process or period of changing from one state or circumstance to another
synonym: change, growth, shift

(1) **transition** phase, (2) ensure a smooth **transition**
The nation's healthcare system is in **transition** at the moment.

permanent

adj. lasting for a long time without essential change
synonym: lasting, ceaseless, endless

(1) literature of **permanent** value, (2) **permanent** life insurance
She is searching for a **permanent** residence.

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.

moral

adj. concerned with the principles of what is right and wrong, fairness, honesty, etc.

synonym : honest, ethical, conscientious

(1) **moral** hazard, (2) **moral** burden

Ethics deals with **moral** conduct.

imperative

adj. very important or requiring attention or action

synonym : compulsory, binding, critical

(1) moral **imperative**, (2) **imperative** need

It is **imperative** for politicians to be effective communicators.

frontier

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

synonym : border, boundary, borderland

(1) **frontier** disputes, (2) the Italian **frontier** with Switzerland

He worked at the **frontier** of behavioral economics.

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.

redundancy

n. the state of being unnecessary, especially through being able to be replaced by something else

synonym : surplus, excess, overabundance

(1) eliminate **redundancy**, (2) **redundancy** payment

The company had to let go of some employees due to **redundancy**.

biosphere

n. the part of the Earth and its atmosphere in which living organisms exist, including plants, animals, and microorganisms

synonym : ecosphere, ecospace, ecosystem

(1) terrestrial **biosphere**, (2) artificial **biosphere**

The balance of the **biosphere** is crucial for the survival of

species.

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.

mineral

n. a solid inorganic substance occurring in nature having a definite chemical composition

(1) vitamin and **minerals**, (2) **mineral** rights

The robust economy of the country is based on its **mineral** resources.

estate

n. a large piece of land with an impressive house on it, often owned by a wealthy family; all of a person's possessions and assets at the time of their death; an area of land considered as a unit in terms of ownership, use or taxation

synonym: property, domain, land

(1) **estate** agent, (2) real **estate** transaction

The wealthy businessman left his entire **estate** to his children when he died.

infinite

adj. unlimited or very great; impossible to measure

synonym: boundless, countless, limitless

(1) **infinite** appetite, (2) **infinite** in supply

The battle had an **infinite** impact on the nation.

quantity

n. the amount or number of something; magnitude

synonym: abundance, portion, amount

(1) half **quantity**, (2) residual **quantity**

In southward, the average annual water **quantity** increases.

crumb

n. a small particle or fragment of food or other substance, often one that has broken off from a larger piece; a very small amount or portion of something

synonym : fragment, particle, bit

(1) **crumb** of information, (2) bread **crumb**

My dog found a **crumb** on the floor and quickly ate it.

analogy

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

synonym : metaphor, comparison, parallel

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

Some kinds of machine learning models show an **analogy** to how people learn.

folly

n. a lack of good sense or judgment; foolishness or absurdity; specifically, a costly, useless, or pointless building or project that has been created or undertaken for no practical purpose or benefit

synonym : absurdity, foolishness, irrationality

(1) economic **folly**, (2) act of **folly**

It was **folly** for the hiker to climb the dangerous mountain alone.

seal

v. to close or fasten an envelope, etc. securely; (noun) a large marine mammal that chiefly lives in cold regions and comes on shore to breed

synonym : enclose, shut, close

(1) **seal** a hole, (2) a fur **seal**

He **sealed** the letter with hot wax.

pelt

v. to hit or throw things at someone or something repeatedly and forcefully; to rain heavily

synonym : hurl, fling, throw

(1) **pelt** him with stones, (2) **pelt** with questions

The crowd **pelted** the stage with bottles and cans in protest.

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**.

timber

n. the wood of trees cut and prepared for construction

synonym: wood, lumber, logs

(1) **timber** construction, (2) standing **timber**

The house uses sturdy **timber** and has withstood many storms.

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.

economy

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

synonym: finance, trade, business

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

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

honeymoon

n. a period of time, often a few weeks, immediately following a wedding during which the newlywed couple goes on a vacation or trip together to celebrate their marriage and spend time together as a couple

synonym: post-wedding vacation, romantic getaway

(1) **honeymoon** destination, (2) romantic **honeymoon**

We went to Hawaii for our **honeymoon** and had a wonderful time.

verge

n. the point at which something is about to happen or where something begins; the edge or margin of something, particularly a physical boundary or border

synonym : brink, edge, margin

(1) **verge** of bankruptcy, (2) on the **verge** of tears

He stood on the **verge** of a major discovery.

exploration

n. the activity of searching and finding out about something through a place

synonym : inquiry, quest, investigation

(1) future of space **exploration**, (2) an Arctic **exploration**

He called for a careful **exploration** of the consequences.

explore

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

synonym : analyze, delve into, examine

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

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

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.

mar

v. to damage or spoil the appearance or surface of something

synonym : damage, deface, disfigure

(1) **mar** a proper relationship, (2) **mar** the reputation

The scratches on the car **marred** its otherwise perfect appearance.

literally

adv. in the real or original meaning of a word or phrase; in a literal sense or way; not figuratively

synonym : actually, truly, verily

(1) translate **literally**, (2) bite his tongue **literally**

He **literally** jumped out of his chair when he heard the news.

ubiquitous

adj. being or existing everywhere at once

synonym : universal, omnipresent, everywhere

(1) **ubiquitous** computing, (2) **ubiquitous** across ecosystems

Sugar is **ubiquitous** in food.

soil

n. the top layer of Earth in which plants grow

synonym : earth, ground, mud

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

Soil moisture is another significant component controlling soil respiration.

motivate

v. to make someone want to do something, especially something that requires tremendous work and effort

synonym : boost, encourage, inspire

(1) **motivate** the students, (2) all ability to **motivate**

The ability to **motivate** people is a priceless asset.

union

n. a group of employees who have banded together to advocate for their rights and better their working conditions; the act or the state of joining together or being joined together

synonym : alliance, coalition, confederation

(1) bank and credit **unions**, (2) a craft **union**

The trade **union** remained adamant about its demands.

probabilistic

adj. characterized by the influence of chance or probability; involving the use of statistical models or methods to estimate likelihoods or risks

synonym : probable, statistical, likely

(1) **probabilistic** model, (2) **probabilistic** approach

In a **probabilistic** system, the outcome is uncertain and can vary based on chance.

fraction

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

synonym : piece, part, fragment

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

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

defend

v. to protect someone or something from attack, criticism, danger, etc.

synonym : protect, guard, support

(1) **defend** my country, (2) **defend** against a threat

International law allows each nation to **defend** itself when its rights and interests are illegally violated.

unreasonable

adj. not fair, sensible, or likely to be true

synonym : unjustified, unfair, excessive

(1) **unreasonable** demand, (2) an **unreasonable** amount of money

It would be **unreasonable** for me to expect you to work overtime without any extra compensation.

entrepreneur

n. an individual who creates or invests in one or more businesses, especially when this involves taking financial risks

synonym : founder, executive

(1) a successful **entrepreneur**, (2) billionaire **entrepreneur**

Entrepreneurs willingly accept business risks to achieve success.

wealth

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

synonym : affluence, assets, fortunate

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

The **wealth** inequality was unavoidable.

asteroid

n. (also "planetoid") a small rocky body orbiting the sun, typically in the region between Mars and Jupiter

synonym : minor planet, planetoid, rocky planetesimal

(1) **asteroid** mining, (2) **asteroid** explorer

Scientists are studying the composition and origins of the **asteroid** belt to understand the early solar system better.

nickel

n. a silver-white metallic element with the symbol Ni, used in many alloys and as a coin; a United States coin worth one-twentieth of a dollar

synonym : metal, coin, alloy

(1) **nickel** ore, (2) **nickel** plate

The **nickel** in my pocket jingled as I walked.

platinum

n. a dense, precious, silvery-white metal with the atomic number 78 and the symbol Pt that is highly resistant to corrosion and tarnishing, often used in jewelry, coins, and industrial applications

synonym : Pt, white gold

(1) **platinum** record, (2) **platinum** jewelry

The chemist worked with a **platinum** catalyst to speed up the reaction.

doll

n. a child's toy that typically represents a human figure, especially a young girl; an attractive woman; a woman who is subservient or passive

synonym : puppet, dolly, toy

(1) plastic **doll**, (2) rag **doll**

The antique **doll** was worth thousands of dollars.

grab

v. to take hold of something or someone suddenly with a hand, especially in a violent way

synonym : clutch, snatch, grasp

(1) **grab** an audience, (2) **grab** an opportunity

Shall we **grab** a bite to eat?

precious

adj. uncommon and extremely valuable

synonym : adored, cherished, valued

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

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

claim

v. to assert that something is true; to demand or request something as one's own; to lay legal or moral right to something; (noun) a demand or assertion of a right or something that one believes to be true

synonym : assert, declare, maintain

(1) **claim** responsibility, (2) false **claim**

He wants to **claim** ownership of the abandoned property.

greedy

adj. having or showing an intense or insatiable desire for wealth, status, power, or food

synonym : avaricious, covetous, grasping

(1) **greedy** person, (2) **greedy** for money

His **greedy** behavior led him to steal from the company.

motivation

n. the reason or enthusiasm for acting or behaving in a particular way

synonym : inspiration, incentive, reason

(1) understand his **motivation**, (2) **motivation** for a change

A significant amount of **motivation** is required to be a teacher.

obscure

adj. not well known to many people

synonym : esoteric, vague, unrecognized

(1) **obscure** answer, (2) **obscure** artist

This information was primarily **obscured** in the first release.

locate

v. to specify or determine the exact position of someone or something

synonym : discover, find, place

(1) **locate** a missing pet, (2) **locate** a tumor

The robot can accurately **locate** construction material.

amazing

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

synonym : exceptional, extraordinary, wonderful

(1) **amazing** advances, (2) the most **amazing** feeling
The golfer recorded an **amazing** distance.

orbit

n. the path of an object around a celestial body, especially a planet, star, or moon, under the influence of gravity; (of medicine) the bony cavity in the skull that houses the eyeball and its associated structures, like muscles, nerves, and blood vessels

synonym: path, course, trajectory

(1) the **orbit** of the moon, (2) a planetary **orbit**

The rocket engine is used to put the satellite into **orbit**.

flee

v. to leave by running away, especially out of fear or danger

synonym: exit, escape, run away

(1) **flee** their homes, (2) **flee** abroad

It is a basic instinct to **flee** from a dangerous situation.

gene

n. the fundamental unit of heredity and the sequence of nucleotides in DNA that codes for the creation of RNA or protein.

synonym: factor, cistron

(1) **gene** expression, (2) **gene** cloning

A defective **gene** is responsible for the disease.

government

n. the group of people with authority to control a country or state

synonym: administration, regime, state

(1) **government** bureaucracy, (2) **government** funding

The federal **government** is planning to increase taxes for the next fiscal year.

shuttle

n. a vehicle or boat that regularly moves between two places; bobbin that passes the weft thread between the warp threads

synonym: ferry, transport, convey

(1) space **shuttle**, (2) **shuttle** service

The **shuttle** bus will take you to the airport in 15 minutes.

launch

v. to send or propel something into the air or space using a device such as a rocket, missile, or spacecraft; to make something available or on sale for the first time

synonym : start, initiate, begin

(1) **launch** a spaceship into orbit, (2) **launch** a big attack

The company is set to **launch** its new product line next month.

pathetic

adj. arousing pity, sorrow, or compassion; expressing or evoking sadness, weakness, or inadequacy; inadequate or inferior in quality or ability

synonym : pitiful, miserable, sad

(1) **pathetic** attempt, (2) **pathetic** display

The team's performance was **pathetic** and left the coach feeling disappointed.

standing

adj. existing or remaining upright; having a vertical position;
(noun) social, financial, or professional status or reputation

synonym : upright, vertical, (noun) position

(1) **standing** water, (2) his social **standing**

The **standing** concert was packed with fans.

furry

adj. covered in fur or a furry material; resembling fur

synonym : hairy, fuzzy, feathered

(1) the **furry** skin, (2) have **furry** leaves

The stuffed animal was so **furry** and soft that it was hard to resist hugging it.

mammal

n. any animal of which the female gives birth to live young, not eggs, and feeds her young on milk from her own body

(1) a primitive **mammal**, (2) a sort of **mammal**

Marine **mammal** populations are declining worldwide due to ocean pollution.

industrial

adj. of or relating to or resulting from industry

synonym : manufacturing, mechanical

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

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

military

adj. relating to or characteristic of members of the armed forces; of or relating to war or warfare

synonym : armed, martial, warlike

(1) a **military** operation, (2) a **military** leader

The **military** academy was known for its strict discipline and training.

complexity

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

synonym : intricacy, sophistication, elaboration

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

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

dinosaur

n. a large extinct reptile, often with an armored back, long neck, tail, and bony plates on the skin

synonym : reptile, beast, monster

(1) hulking **dinosaur**, (2) **dinosaur** fossil

The discovery of a new **dinosaur** species made headlines in the scientific community.

genetic

adj. of or relating to genes (= parts of the DNA in cells) or the science of genes

synonym : hereditary, genetical, inborn

(1) have **genetic** testing, (2) a **genetic** disorder

Understanding protein folding is a vital step in deciphering the **genetic** code.

database

n. a large amount of data stored in a computer system in such a way that it can be searched and updated easily

(1) **database** administrator, (2) employee **database**

Each country's officials can access the central **database**.

disastrous

adj. extremely bad, harmful, or unsuccessful

synonym: catastrophic, destructive, fatal

(1) have **disastrous** consequences, (2) absolutely **disastrous** effect

The emission of hazardous substances has **disastrous** effects on the ecology of a region.

situ

adj. short for "situated," meaning located or placed in a particular position or circumstance

synonym: situational, contextual, circumstantial

(1) ex- **situ** conservation, (2) in- **situ** control

Melanoma in **situ** is considered the earliest stage of melanoma and has a high cure rate with appropriate treatment.

difficulty

n. a condition or state that causes problems

synonym: hardship, complication, problem

(1) the degree of **difficulty**, (2) **difficulty** in breathing

He has **difficulty** exercising because of a back injury sustained in an accident.

energetic

adj. possessing or exerting or displaying energy

synonym: active, animated, lively

(1) **energetic** density, (2) **energetic** dog

This process caused an **energetic** chemical reaction.

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.

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**.

unique

adj. being the only one of its kind; unlike anything else

synonym: one-of-a-kind, unparalleled, incomparable

(1) a **unique** teacher, (2) **unique** design

The painting is **unique**, and there is no other like it.

concentration

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

synonym: attention, engagement, assiduity

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

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

individual

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

synonym: person, being, self

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

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

accessible

adj. capable of being reached, easily got, or seen

synonym: affordable, available, unrestricted

(1) a town **accessible** by rail, (2) **accessible** to pity

He is an **accessible** and genial man.

physics

n. the science of matter and energy and their interactions

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

He studied the **physics** of radiation.

calculate

v. to judge or find out the amount or number of something by using mathematics

synonym : compute, figure, estimate

(1) **calculate** the distance, (2) **calculate** his credit score

He couldn't **calculate** the actual value of the artwork.

spacesuit

n. a protective garment that astronauts wear and other space travelers when outside a spacecraft or in a space environment

synonym : space suit, extravehicular activity suit, pressure suit

(1) **spacesuit** helmet, (2) emergency **spacesuit**

The **spacesuit** gloves are specially designed to allow for dexterity and grip, despite the vacuum of space.

accelerate

v. to make something faster or earlier; to cause to develop or progress more quickly

synonym : speed up, quicken, rev

(1) **accelerate** a chemical reaction, (2) **accelerate** the car

The government tried to **accelerate** the commercialization of this development.

joule

n. the unit of measurement for energy in the International System of Units (SI), equal to the work done by a force of one newton when its point of application moves one meter in the direction of the force

synonym : calorie

(1) measure energy in **joules**, (2) **joule** heating

A 60-watt light bulb uses 60 **joules** of energy per second.

expend

v. to use or spend time, money, energy, etc.

synonym : disburse, spend, pay

(1) **expend** a great deal of energy, (2) **expend** time and resources

Billionaires tend to **expend** private funds on a public undertaking.

watt

n. a standard unit for measuring electrical power

(1) 30- **watt** light bulb, (2) **watt** per square meter

Several hectares of land are needed to generate more than 1-mega **watt** solar power.

mathematics

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

synonym: arithmetic, calculation, calculus

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

He has a flair for **mathematics**.

buck

n. a male deer; a unit of currency, especially the US dollar; a sudden jolt or movement; a young man; (verb) to resist or oppose something, such as an authority, trend, or convention

synonym: dollar, money, currency

(1) **buck** the trend, (2) extra **buck**

I spotted a majestic **buck** with large antlers standing at the forest's edge.

improve

v. to make or become better

synonym: enhance, ameliorate, enrich

(1) **improve** a process, (2) **improve** the test score

We want to **improve** ties between our two countries.

curve

n. a bend or angle in a line or surface that deviates from a straight or flat path; a gradual or smooth change in direction or shape

synonym: bend, arc, turn

(1) learning **curve**, (2) yield **curve**

The **curve** in the road was so sharp that I had to slow down to navigate it safely.

breakthrough

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

synonym : advance, progress, innovation

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

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

grant

v. to agree to give or allow somebody

synonym : allocate, authorize, give

(1) **grant** a new license, (2) **grant** a land

The chairperson **granted** him the right to speak.

eventually

adv. finally, particularly after a long time or a lot of struggle, complications, and so on

synonym : finally, someday, ultimately

(1) **eventually** become obsolete, (2) **eventually** succeed

The corporation **eventually** dominated the entire tobacco business.

engineer

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

synonym : architect, creator, builder

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

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

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.

marketplace

n. a physical or virtual venue where goods or services are bought and sold; an economic system that facilitates exchange between buyers and sellers

synonym : bazaar, mart, emporium

(1) **marketplace** competition, (2) global **marketplace**

The online **marketplace** offers a wide variety of products for shoppers.

invest

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

synonym: fund, sponsor, support

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

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

corporation

n. a large company or group of companies that are controlled together by law as a single unit

synonym: business, company, enterprise

(1) a public **corporation**, (2) **corporation** assets

Four companies were amalgamated into a single **corporation**.

exothermic

adj. referring to a chemical reaction or process that releases heat or energy to the surroundings

synonym: heat-releasing, thermogenic

(1) **exothermic** energy transfer, (2) **exothermic** combustion

The **exothermic** reaction produced a lot of heat and light.

reaction

n. a response that reveals a person's feelings or attitude; (in chemistry) a process in which one or more substances are changed into others

synonym: response, reply, answer

(1) chemical **reaction**, (2) trigger a **reaction**

There was a chemical **reaction** of the lime with the groundwater.

commerce

n. the activity of buying and selling things, especially on a large scale

synonym: trade, transaction, dealings

(1) interstate **commerce**, (2) the local chamber of **commerce**

This company has invested heavily in Internet **commerce**.

carbon

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

coal and oil and is found in all plants and animals

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

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

payload

n. the amount of cargo or goods that a vehicle or equipment is designed to carry or transport; in computing, the amount of data that can be transmitted over a communication system

synonym : cargo, freight, shipment

(1) **payload** capacity, (2) satellite **payload**

The **payload** for the rocket launch included several satellites and scientific instruments.

reuse

v. to use something again or more than once

synonym : reprocess, recycle, rehash

(1) **reuse** the materials, (2) **reuse** existing knowledge

The supermarket encourages shoppers to **reuse** plastic bags.

competition

n. a situation in which someone is attempting to beat or outperform another

synonym : contest, match, fight

(1) the first round of the **competition**, (2) intraspecific **competition**

Global **competition** is rising in virtually every industry.

pilot

n. a person who flies an aircraft, especially as a job; a person qualified to guide ships through a difficult area of water

synonym : aviator, flyer, chief

(1) a test **pilot**, (2) **pilot** production

The **pilot** exercised great care in landing.

release

v. to set free or allow to escape from confinement

synonym : free, let go, discharge

(1) **release** a prisoner, (2) **release** CO2 into the air

The animal rights group worked to **release** the dolphins back into the wild.

altitude

n. the height of an object or point in relation to sea level or ground level

synonym: height, elevation, tallness

(1) the meridian **altitude**, (2) low **altitude**

The plane flew at a high **altitude** to avoid turbulence.

chief

adj. most important or primary; (noun) a person who is in charge

synonym: essential, primary, leading

(1) **chief** accountant, (2) **chief** events of the year

Mining is a **chief** source of income for the country.

judge

n. a person who makes decisions in a court of law; (verb) to determine the result of or form a critical opinion of something

synonym: arbiter, justice, (verb) deduce

(1) **judge** a competition, (2) an associate **judge**

The strict **judge** ruled in favor of the plaintiff in the case.

declare

v. to say, state, or announce something clearly, officially, or publicly

synonym: announce, state, affirm

(1) **declare** independence, (2) **declare** my love

Foreign goods from abroad must be **declared** to customs when entering a country.

aerospace

adj. pertaining to the design, engineering, science, and technology related to the Earth's atmosphere and the exploration or use of space beyond it

synonym: aeronautical, space, aviation

(1) **aerospace** engineering, (2) **aerospace** and defense industry

NASA is an **aerospace** organization that explores space and improves aviation technology.

peter

v. to fail or lose power, efficiency, or value gradually before coming to an end

synonym : decrease, drop, lower

(1) eventually **peter** out, (2) begin to **peter** out

The music just **petered** out.

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.

visionary

adj. having or showing exceptional foresight and imagination; not practical or realizable; speculative

synonym : prophetic, far-sighted, imaginative

(1) **visionary** business, (2) **visionary** ideas

The **visionary** leader had a clear plan for the company's future.

champion

n. someone who has won first place in a competition; someone who fights for a specific group of people or a belief

synonym : victor, winner, fighter

(1) a **champion** of peace, (2) the grand **champion**

The **champion** bicyclist outrode all his competitors.

insure

v. to provide coverage in the event of loss or damage

synonym : protect, guard, safeguard

(1) **insure** my house against fire, (2) **insure** domestic tranquility

I will **insure** my car before I go on a road trip.

industrious

adj. hardworking, diligent, and persistent in effort

synonym : diligent, hardworking, assiduous

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

He was known to be very **industrious** and would often work

late into the night.

policy

n. a set of rules, guidelines, principles, or procedures that govern decision-making or action, often used in the context of business or government; a course of action or plan of action adopted or followed by an organization or individual to achieve a goal or objective

synonym : strategy, plan, guideline

(1) health **policy**, (2) foreign **policy**

The company's new **policy** on remote work has made it a more inclusive workplace.

compete

v. to strive to achieve more success than someone or something

synonym : contend, contest, vie

(1) **compete** against a friend, (2) **compete** fiercely

You must **compete** with others to obtain this position.

bet

v. to risk money on the result of an event or a competition, such as a race or game, to get more money; to have faith or confidence in something

synonym : stake, wager, gamble

(1) **bet** on a race, (2) **bet** my future

I **bet** that you know it.

bounce

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

synonym : bound, leap, spring

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

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

accomplishment

n. the successful completion of a task or goal; an ability that has been acquired by training

synonym : success, achievement, complete

(1) proud of his **accomplishments**, (2) the

accomplishment of a social goal

Graduating from college was a major **accomplishment** for

her.

tremendous

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

synonym : enormous, giant, immense

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

We had a **tremendous** time yesterday.

spirit

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

synonym : soul, attitude, enthusiasm

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

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

wright

n. a person who makes or repairs something, especially a craftsman or artisan who works with wood or metal

synonym : builder, constructor, craftsman

(1) a car- **wright**, (2) aircraft **wright**

She was a skilled **wright**, able to craft intricate pieces of furniture.

flier

n. (also "flyer") a person who travels by air or an airplane passenger; a leaflet or pamphlet designed to be handed out or posted to provide information or advertise something

synonym : aeronaut, pamphlet, handbill

(1) seasoned **flier**, (2) promotional **flier**

As a frequent **flier**, I accumulate a lot of miles that I use for vacation trips.

weightless

adj. having no weight or feeling as if one has no weight, often related to zero gravity or outer space

synonym : floatable, buoyant, light

(1) **weightless** flight, (2) **weightless** environment

The astronaut felt **weightless** as she floated inside the

International Space Station.

virgin

n. a person who has never had sex; (adjective) being used or worked for the first time

synonym: virtuous, vestal, beginner

(1) **virgin** material, (2) enter **virgin** territory

Within a few years, no **virgin** forests will remain.

stockpile

n. a large quantity or reserve of goods or materials that are accumulated and stored for future use, often used for emergency or contingency purposes; (verb) to accumulate or gather a large quantity of something, usually for future use or as a reserve

synonym: reserve, hoard, cache

(1) **stockpile** weapons, (2) nuclear **stockpile**

The farmer had a huge **stockpile** of hay for the winter.

fuel

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

synonym: energy, power, gas

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

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

beeline

n. a straight, direct route taken with or as if with the intentions of a bee flying to its hive or a source of nectar or pollen

synonym: shortest route, direct path, straight line

(1) take a **beeline** approach, (2) a **beeline** to the exit

After finishing his last final exam, he made a **beeline** for the home to relax.

approval

n. the belief that someone or something is good or acceptable

synonym: acceptance, endorsement, permission

(1) a written **approval**, (2) express my **approval**

This project took a lot of time to get the president's **approval**.

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**.

parabola

n. a symmetrical curve formed by the intersection of a cone with a plane parallel to its side; (of mathematics) a curve described by a quadratic equation (a type of polynomial equation of the second degree denoted as $ax^2 + bx + c = 0$)

synonym : curve, arch

(1) **parabola** shape, (2) **parabola** equation

The trajectory of the cannonball followed a **parabola** in the air.

narrator

n. a person who tells a story, especially in a book or film

synonym : teller, storyteller

(1) first-person **narrator**, (2) the **narrator** of the TV program

The **narrator** makes use of the local dialect.

specification

n. a detailed description of the characteristics, features, or requirements of something, typically a product or system; a written statement that outlines the standards, procedures, or requirements for a project or job

synonym : description, requirement, guideline

(1) functional **specification**, (2) engineering **specification**

The project's **specifications** outlined the goals and requirements for the team to complete.

marked

adj. having a noticeable feature or distinctive quality; easily noticeable or obvious

synonym : distinct, prominent, striking

(1) a **marked** difference, (2) **marked** decline

Her **marked** improvement in her grades resulted from her

increased focus and effort.

packaging

n. the process, materials, or container used to wrap or contain a product for distribution, storage, or sale; the design or appearance of a product's packaging

synonym : wrapping, packing, boxing

(1) **packaging** materials, (2) biodegradable **packaging**

The **packaging** for the fragile items was made of sturdy materials and could withstand rough handling during shipping.

diet

n. the food and drink that a person, animal, or community eats and drinks regularly; a legislative assembly in certain countries, for example, Japan

synonym : food, dietary

(1) eat a vegetarian **diet**, (2) **Diet** approval

A balanced **diet** is more important for health than supplements.

weigh

v. to have a particular weight; to carefully evaluate things before making a conclusion

synonym : consider, cogitate, count

(1) **weigh** heavily on stock prices, (2) **weigh** a cargo

The baby **weighs** 1 pound 3 oz.

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.

longitude

n. the angular distance between a point on any meridian and the prime meridian at Greenwich

(1) a line of **longitude**, (2) astronomic **longitude**

Our country's eastern border is around **longitude** forty degrees east.

decision

n. the act or process of making up someone's mind about something; a choice or judgment reached after considering options

synonym : choice, determination, judgment

(1) **decision** authority, (2) a selfish **decision**

She was struggling to make a **decision** between two job offers.

foundation

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

synonym : base, support, groundwork

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

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

concept

n. an idea or principle associated with something abstract

synonym : idea, notion, vision

(1) learn new **concepts**, (2) **concept** car

One such rapidly growing **concept** is quantum cryptography.

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.

humanity

n. all people living on the earth; the quality or state of being human rather than an animal, a machine, etc.

synonym : humankind, society, human race

(1) **humanity** at large, (2) mass of **humanity**

They donated large sums of money for the development of **humanity**.

slide

v. to move or cause to move smoothly along a surface without interruption

synonym : glide, drift, drop

(1) **slide** a card across the table, (2) **slide** a glance

If necessary, you can **slide** the front seats forward.

nonprofit

adj. not established for commercial profit

synonym : charitable

(1) a **nonprofit** organization, (2) **nonprofit** agency

Our law firm also focuses on **nonprofit** activities.

typical

adj. having the usual characteristics or traits of a specific group of things

synonym : characteristic, usual, distinctive

(1) **typical** leader, (2) fairly **typical** symptoms

This artwork is **typical** of her work.

lever

n. a handle used to operate a vehicle or a machine; a rigid bar resting on a pivot so that one end of it can be pushed or pulled easily

synonym : lifter, crowbar, bar

(1) a gear change **lever**, (2) **lever** for reform

This initiative will be a **lever** for increasing company sales.

institute

n. an organization that has a specific purpose, particularly one dealing with science, education, or a particular profession; (verb) to initiate, introduce, or establish something

synonym : academy, university, college

(1) **institute** a lawsuit, (2) research **institutes**

This region has many **institutes** offering higher education.

publicity

n. the attention, awareness, or exposure given to someone or something by the media or through promotional efforts; the actions or efforts aimed at creating public interest, awareness, or recognition

synonym : promotion, advertising, marketing

(1) mass **publicity**, (2) media **publicity**

The company hired a PR agency to handle its **publicity** campaign.

prop

n. a piece of wood, metal, etc., placed beneath or against something to support it or keep it in position; a system, institution, or person that gives help or support to someone or something

synonym: support, buttress, column

(1) emotional **prop**, (2) **prop** stick

We have finally lost our last **prop**.

sponsor

v. to provide funds for a particular event, program, individual, etc. as a way of advertising

synonym: back, fund, finance

(1) **sponsor** a contest, (2) **sponsor** a local group

Our company **sponsors** numerous disabled athletes.

moving

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

synonym: emotional, poignant, touching

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

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

societal

adj. relating to society or social relationships

synonym: social, communal, cultural

(1) **societal** norms, (2) **societal** expectations

The **societal** pressure to conform is strong in this community.

capability

n. the ability, skill, or competence to do something; the potential or aptitude for a particular task or function

synonym: ability, capacity, competence

(1) **capability** assessment, (2) technological **capability**

The company's pricing strategy limits its **capability** to compete with other businesses in the market.

propose

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

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

maintain

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

synonym : preserve, uphold, sustain

(1) **maintain** order, (2) **maintain** good health
I need to **maintain** my car regularly to prevent any major mechanical issues.

uncertain

adj. not being sure of something; not being able to choose
synonym : doubtful, skeptical, pending

(1) numerous **uncertain** factors, (2) take an **uncertain** attitude
She was **uncertain** about her friend's intentions.

outcome

n. the result or effect of an action, event, etc.
synonym : result, consequence, effect

(1) improved student **outcomes**, (2) a desirable **outcome**
They awaited news of the **outcome** of the election.

maintenance

n. the act or process of keeping something, either artificial materials or living things, in good condition; the money needed for a person's or family's living expenses
synonym : care, perpetuation, support

(1) the **maintenance** of the car, (2) **maintenance** work
We have decided to extend our **maintenance** contract until next year.

fee

n. a sum of money charged for a particular service
synonym : charge, cost, expense

(1) **fee** calculation, (2) service **fee**

The lawyer's **fee** for the case was \$10,000.

dime

n. an American or Canadian coin worth one-tenth of a dollar

(1) **dime** store, (2) behind a **dime**

He never received a **dime**, even from the company of a close friend.

Atlantic

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

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

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

innovate

v. to introduce new methods, ideas, or products

synonym: bring in, introduce, found

(1) **innovate** a new method, (2) **innovate** the quality of his life

Companies developing self-driving cars consistently **innovate** the emerging technologies.

ridicule

n. speech or behavior that makes fun of or mocks someone or something; teasing, sarcasm, or scornful remarks that are intended to belittle or humiliate; (verb) to mock, criticize, or make fun of someone or something in a scornful or derisive way

synonym: derision, mockery, satire

(1) public **ridicule**, (2) **ridicule** at his expense

The **ridicule** from his classmates made him feel embarrassed and ashamed.

crazy

adj. stupid or not sensible; very angry

synonym: insane, absurd, bizarre

(1) **crazy** about cars and racing, (2) a **crazy** scheme

The rain and thunder are **crazy** today.

convince

v. to persuade someone or make someone believe that something is true

synonym : persuade, win over, convert

(1) **convince** her to go with us, (2) **convince** an opponent
I am considering what I should do to **convince** him.

bureaucracy

n. a system of government in which most of the important decisions are made by state officials rather than by elected representatives

synonym : administration, government, system

(1) government **bureaucracy**, (2) arbitrary **bureaucracy**
The bumbling **bureaucracy** made it difficult to get the permits we needed.

circuit

n. (in electrical engineering) an electrical device that provides a path for electrical current to flow; a journey or route around a particular place or area

synonym : route, course, rotation

(1) **circuit** breaker, (2) federal **circuit** courts

An intelligent battery has a voltage monitoring **circuit**.

credential

v. to provide someone with certification or verification of their qualifications, usually in a particular field or profession; (noun) a document attesting to the truth of certain stated facts

synonym : certify, verify, (noun) certificate

(1) **credential** themselves by showing their registration,
(2) teaching **credential**

To get the job, I need to **credential** my experience and education.

innovation

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

synonym : invention, initiation, creation

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

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

organization

n. a group of people who work together for a shared purpose

synonym: association, institution, community

(1) **organization** chart, (2) agricultural **organization**

She is the president of a large international **organization**.

process

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

synonym: procedure, method, system

(1) **process** improvement, (2) decision-making **process**

The **process** for applying for a visa can be lengthy and complicated.

environment

n. the natural world such as air, water, and land in which humans, animals, and plants live

synonym: atmosphere, surroundings, climate

(1) **environment** affairs, (2) chaotic **environment**

Every human is responsible for taking care of the Earth's **environment**.

nanoscale

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

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

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

ventral

adj. relating to or situated on or toward the belly or underside of an animal or organ; opposite of dorsal

synonym: abdominal, ventricose, stomachal

(1) **ventral** fin, (2) **ventral** hernia

The **ventral** side of the fish was beautifully colored.

genome

n. the complete set or sequence of genes of a human, animal, plant, or other living things

(1) sequencing of the human **genome**, (2) **genome** analyses

The human **genome** contains approximately three billion chemical base pairs.

sequence

n. a series of related events, actions, numbers, etc., which have a particular order

synonym: arrangement, succession, series

(1) the **sequence** of the seasons, (2) the DNA **sequence**

We do move forward with those tasks in **sequence** next week.

revolutionize

v. to bring about a complete or radical change in something, often through the introduction of new methods or ideas

synonym: transform, innovate, modernize

(1) **revolutionize** the industry, (2) **revolutionize** the technology

The invention of the smartphone **revolutionized** the way we communicate with each other.

medicinal

adj. of or relating to the treatment or cure of disease

synonym: curative, therapeutic, healing

(1) **medicinal** chemistry, (2) traditional **medicinal**

The **medicinal** properties of this herb have been known to help with various ailments.

entrepreneurship

n. the process or skill of starting and running a business, particularly a new and innovative one

synonym: self-employment, risk-taking

(1) **entrepreneurship** culture, (2) embody **entrepreneurship**

The government is investing in programs to support **entrepreneurship** and small business development.

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**.

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.

committed

adj. willing to put in a lot of effort, time, and energy into something; firmly believing in something

synonym: devoted, faithful, attached

(1) in a **committed** relationship, (2) strong and **committed** sales staff

Our company is strongly **committed** to meeting customers' needs.

passionate

adj. showing intense emotion or strong feeling; characterized by great enthusiasm or zeal; deeply committed to a cause or belief

synonym: ardent, fervent, intense

(1) **passionate** speech, (2) **passionate** kiss

Their **passionate** argument lasted for hours, neither willing to back down.

Session 2: Spelling

1. measure energy in jo__es
n. the unit of measurement for energy in the International System of Units (SI), equal to the work done by a force of one newton when its point of application moves one meter in the direction of the force
2. the first round of the com_____on
n. a situation in which someone is attempting to beat or outperform another
3. af___d to buy a new car
v. to have enough money or time to be able to buy or do something
4. co_____ce an opponent
v. to persuade someone or make someone believe that something is true
5. At_____ic breeze
adj. relating to or located near the Atlantic Ocean, which is the second-largest ocean on Earth, located between the continents of North and South America to the west and Europe and Africa to the east
6. pas_____te kiss
adj. showing intense emotion or strong feeling; characterized by great enthusiasm or zeal; deeply committed to a cause or belief
7. ma_____in good health
v. to continue to uphold or sustain; to keep in a particular state or condition; to assert or declare something to be true
8. 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

ANSWERS: 1. joule, 2. competition, 3. afford, 4. convince, 5. Atlantic, 6. passionate, 7. maintain, 8. metal

9. tra_____on phase *n.* the process or period of changing from one state or circumstance to another
10. so_____al norms *adj.* relating to society or social relationships
11. foreign po_____y *n.* a set of rules, guidelines, principles, or procedures that govern decision-making or action, often used in the context of business or government; a course of action or plan of action adopted or followed by an organization or individual to achieve a goal or objective
12. red_____cy payment *n.* the state of being unnecessary, especially through being able to be replaced by something else
13. b_t my future *v.* to risk money on the result of an event or a competition, such as a race or game, to get more money; to have faith or confidence in something
14. hu_____ty at large *n.* all people living on the earth; the quality or state of being human rather than an animal, a machine, etc.
15. billionaire ent_____eur *n.* an individual who creates or invests in one or more businesses, especially when this involves taking financial risks
16. have ge_____c testing *adj.* of or relating to genes (= parts of the DNA in cells) or the science of genes
17. st_____ng water *adj.* existing or remaining upright; having a vertical position; (noun) social, financial, or professional status or reputation
18. bite his tongue li_____ly *adv.* in the real or original meaning of a word or phrase; in a literal sense or way; not figuratively

ANSWERS: 9. transition, 10. societal, 11. policy, 12. redundancy, 13. bet, 14. humanity, 15. entrepreneur, 16. genetic, 17. standing, 18. literally

19. im____e the test score *v.* to make or become better
20. de____on authority *n.* the act or process of making up someone's mind about something; a choice or judgment reached after considering options
21. in-s__u control *adj.* short for "situated," meaning located or placed in a particular position or circumstance
22. first-person na____or *n.* a person who tells a story, especially in a book or film
23. ni____l ore *n.* a silver-white metallic element with the symbol Ni, used in many alloys and as a coin; a United States coin worth one-twentieth of a dollar
24. inn____on leader *n.* the creation of a new device or process resulting from study and experimentation
25. yield cu__e *n.* a bend or angle in a line or surface that deviates from a straight or flat path; a gradual or smooth change in direction or shape
26. mi____l rights *n.* a solid inorganic substance occurring in nature having a definite chemical composition
27. dif____ty in breathing *n.* a condition or state that causes problems
28. de____e my love *v.* to say, state, or announce something clearly, officially, or publicly
29. a ma____d difference *adj.* having a noticeable feature or distinctive quality; easily noticeable or obvious

ANSWERS: 19. improve, 20. decision, 21. situ, 22. narrator, 23. nickel, 24. innovation, 25. curve, 26. mineral, 27. difficulty, 28. declare, 29. marked

30. ind_____al alcohol *adj.* of or relating to or resulting from industry
31. vitamin and mi_____ls *n.* a solid inorganic substance occurring in nature having a definite chemical composition
32. emotional p__p *n.* a piece of wood, metal, etc., placed beneath or against something to support it or keep it in position; a system, institution, or person that gives help or support to someone or something
33. af___d a high travel cost *v.* to have enough money or time to be able to buy or do something
34. satisfy my intellectual cu_____ty *n.* a strong desire to know or learn about something
35. eve_____ly succeed *adv.* finally, particularly after a long time or a lot of struggle, complications, and so on
36. At_____ic salmon *adj.* relating to or located near the Atlantic Ocean, which is the second-largest ocean on Earth, located between the continents of North and South America to the west and Europe and Africa to the east
37. ensure a smooth tra_____on *n.* the process or period of changing from one state or circumstance to another
38. a town acc_____le by rail *adj.* capable of being reached, easily got, or seen
39. env_____nt affairs *n.* the natural world such as air, water, and land in which humans, animals, and plants live

ANSWERS: 30. industrial, 31. mineral, 32. prop, 33. afford, 34. curiosity, 35. eventually, 36. Atlantic, 37. transition, 38. accessible, 39. environment

40. imp_____ve need *adj.* very important or requiring attention or action
41. she is ar_____ly the best singer *adv.* used when expressing an opinion or idea that you believe can be proven true
42. ex-s__u conservation *adj.* short for "situated," meaning located or placed in a particular position or circumstance
43. an_____ce candidacy *v.* to make something known or officially inform people about something
44. future of space exp_____on *n.* the activity of searching and finding out about something through a place
45. a craft un__n *n.* a group of employees who have banded together to advocate for their rights and better their working conditions; the act or the state of joining together or being joined together
46. absolutely dis_____us effect *adj.* extremely bad, harmful, or unsuccessful
47. an indomitable sp____t *n.* the part of a person which is the seat of their mind, feelings, and character rather than their physical body; the general atmosphere of a place or situation and the effect that it has on people
48. seasoned fl__r *n.* (also "flyer") a person who travels by air or an airplane passenger; a leaflet or pamphlet designed to be handed out or posted to provide information or advertise something
49. ind_____us student *adj.* hardworking, diligent, and persistent in effort

ANSWERS: 40. imperative, 41. arguably, 42. situ, 43. announce, 44. exploration, 45. union, 46. disastrous, 47. spirit, 48. flier, 49. industrious

50. economic fo__y *n.* a lack of good sense or judgment; foolishness or absurdity; specifically, a costly, useless, or pointless building or project that has been created or undertaken for no practical purpose or benefit
51. weak fou_____on *n.* the lowest load-bearing part of a building, typically below ground level; a fundamental basis or principle upon which something is built or established; an organization that provides funding or support for charitable or educational purposes
52. a no_____it organization *adj.* not established for commercial profit
53. the local chamber of co_____ce *n.* the activity of buying and selling things, especially on a large scale
54. es___e agent *n.* a large piece of land with an impressive house on it, often owned by a wealthy family; all of a person's possessions and assets at the time of their death; an area of land considered as a unit in terms of ownership, use or taxation
55. co_____ce her to go with us *v.* to persuade someone or make someone believe that something is true
56. gr___y person *adj.* having or showing an intense or insatiable desire for wealth, status, power, or food
57. ubi_____us across ecosystems *adj.* being or existing everywhere at once
58. a written ap_____al *n.* the belief that someone or something is good or acceptable

ANSWERS: 50. folly, 51. foundation, 52. nonprofit, 53. commerce, 54. estate, 55. convince, 56. greedy, 57. ubiquitous, 58. approval

59. gov_____nt bureaucracy *n.* the group of people with authority to control a country or state
60. org_____ion chart *n.* a group of people who work together for a shared purpose
61. pa_____la shape *n.* a symmetrical curve formed by the intersection of a cone with a plane parallel to its side; (of mathematics) a curve described by a quadratic equation (a type of polynomial equation of the second degree denoted as $ax^2 + bx + c = 0$)
62. false cl__m *v.* to assert that something is true; to demand or request something as one's own; to lay legal or moral right to something; (noun) a demand or assertion of a right or something that one believes to be true
63. pro_____tic approach *adj.* characterized by the influence of chance or probability; involving the use of statistical models or methods to estimate likelihoods or risks
64. li_____me benefits *n.* the duration of someone's life or something's existence;
65. D__t approval *n.* the food and drink that a person, animal, or community eats and drinks regularly; a legislative assembly in certain countries, for example, Japan
66. pr_____e changes *v.* to make a proposal, declare a plan for something
67. 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

ANSWERS: 59. government, 60. organization, 61. parabola, 62. claim, 63. probabilistic, 64. lifetime, 65. diet, 66. propose, 67. gravity

68. pa____la equation *n.* a symmetrical curve formed by the intersection of a cone with a plane parallel to its side; (of mathematics) a curve described by a quadratic equation (a type of polynomial equation of the second degree denoted as $ax^2 + bx + c = 0$)
69. pr____le outcome *adj.* likely to happen or likely to be true
70. smokeless f__l *n.* a substance that is typically burned to generate heat or energy
71. biodegradable pa_____ng *n.* the process, materials, or container used to wrap or contain a product for distribution, storage, or sale; the design or appearance of a product's packaging
72. no_____it agency *adj.* not established for commercial profit
73. embody ent_____hip *n.* the process or skill of starting and running a business, particularly a new and innovative one
74. cutting-edge inn_____on *n.* the creation of a new device or process resulting from study and experimentation
75. gr__t a new license *v.* to agree to give or allow somebody
76. co_____e fiercely *v.* to strive to achieve more success than someone or something
77. de___d my country *v.* to protect someone or something from attack, criticism, danger, etc.
78. material we___h *n.* a large amount of money, property, or other things that someone or an organization owns

ANSWERS: 68. parabola, 69. probable, 70. fuel, 71. packaging, 72. nonprofit, 73. entrepreneurship, 74. innovation, 75. grant, 76. compete, 77. defend, 78. wealth

79. en_____ic dog *adj.* possessing or exerting or displaying energy
80. in_____te a new method *v.* to introduce new methods, ideas, or products
81. the na_____or of the TV program *n.* a person who tells a story, especially in a book or film
82. ch___f events of the year *adj.* most important or primary; (noun) a person who is in charge
83. standing ti____r *n.* the wood of trees cut and prepared for construction
84. things at the na_____le *adj.* on a scale that can be measured in nanometres (= one billionth of a meter); on a very small scale
85. ubi_____us computing *adj.* being or existing everywhere at once
86. sl___e a glance *v.* to move or cause to move smoothly along a surface without interruption
87. a mi_____ry operation *adj.* relating to or characteristic of members of the armed forces; of or relating to war or warfare
88. as_____id explorer *n.* (also "planetoid") a small rocky body orbiting the sun, typically in the region between Mars and Jupiter
89. traditional me_____al *adj.* of or relating to the treatment or cure of disease
90. a car-wr____t *n.* a person who makes or repairs something, especially a craftsman or artisan who works with wood or metal
91. f___e their homes *v.* to leave by running away, especially out of fear or danger

ANSWERS: 79. energetic, 80. innovate, 81. narrator, 82. chief, 83. timber, 84. nanoscale, 85. ubiquitous, 86. slide, 87. military, 88. asteroid, 89. medicinal, 90. wright, 91. flee

92. im____e a process *v.* to make or become better
93. la____h a spaceship into orbit *v.* to send or propel something into the air or space using a device such as a rocket, missile, or spacecraft; to make something available or on sale for the first time
94. w__t per square meter *n.* a standard unit for measuring electrical power
95. government bur____cy *n.* a system of government in which most of the important decisions are made by state officials rather than by elected representatives
96. a desirable ou____e *n.* the result or effect of an action, event, etc.
97. ri____le at his expense *n.* speech or behavior that makes fun of or mocks someone or something; teasing, sarcasm, or scornful remarks that are intended to belittle or humiliate; (verb) to mock, criticize, or make fun of someone or something in a scornful or derisive way
98. trigger a re____on *n.* a response that reveals a person's feelings or attitude; (in chemistry) a process in which one or more substances are changed into others
99. pa____d capacity *n.* the amount of cargo or goods that a vehicle or equipment is designed to carry or transport; in computing, the amount of data that can be transmitted over a communication system

ANSWERS: 92. improve, 93. launch, 94. watt, 95. bureaucracy, 96. outcome, 97. ridicule, 98. reaction, 99. payload

100. ec____y of scale *n.* the system by which a country or region produces, manages, and distributes goods and services, including the money and finances involved in these activities; (of an airline) the lowest-priced, most basic option for seating in commercial travel
101. pl____um jewelry *n.* a dense, precious, silvery-white metal with the atomic number 78 and the symbol Pt that is highly resistant to corrosion and tarnishing, often used in jewelry, coins, and industrial applications
102. ob____e artist *adj.* not well known to many people
103. fr____er disputes *n.* a border that separates two countries, or the area near this line
104. express my ap____al *n.* the belief that someone or something is good or acceptable
105. fairly ty____l symptoms *adj.* having the usual characteristics or traits of a specific group of things
106. arbitrary bur____cy *n.* a system of government in which most of the important decisions are made by state officials rather than by elected representatives
107. mot____on for a change *n.* the reason or enthusiasm for acting or behaving in a particular way
108. ci____t breaker *n.* (in electrical engineering) an electrical device that provides a path for electrical current to flow; a journey or route around a particular place or area

ANSWERS: 100. economy, 101. platinum, 102. obscure, 103. frontier, 104. approval, 105. typical, 106. bureaucracy, 107. motivation, 108. circuit

109. eventually pe__r out *v.* to fail or lose power, efficiency, or value gradually before coming to an end
110. a primitive ma___l *n.* any animal of which the female gives birth to live young, not eggs, and feeds her young on milk from her own body
111. in___e my house against fire *v.* to provide coverage in the event of loss or damage
112. co_____e against a friend *v.* to strive to achieve more success than someone or something
113. mo__l hazard *adj.* concerned with the principles of what is right and wrong, fairness, honesty, etc.
114. cr__y about cars and racing *adj.* stupid or not sensible; very angry
115. tre_____us popularity *adj.* very great in degree or extent or amount or impact; extremely good
116. bread cr__b *n.* a small particle or fragment of food or other substance, often one that has broken off from a larger piece; a very small amount or portion of something
117. re_____e CO2 into the air *v.* to set free or allow to escape from confinement
118. g__b an audience *v.* to take hold of something or someone suddenly with a hand, especially in a violent way
119. as_____id mining *n.* (also "planetoid") a small rocky body orbiting the sun, typically in the region between Mars and Jupiter
120. begin to pe__r out *v.* to fail or lose power, efficiency, or value gradually before coming to an end

ANSWERS: 109. peter, 110. mammal, 111. insure, 112. compete, 113. moral, 114. crazy, 115. tremendous, 116. crumb, 117. release, 118. grab, 119. asteroid, 120. peter

121. interstate co_____ce *n.* the activity of buying and selling things, especially on a large scale
122. majority of his we____h *n.* a large amount of money, property, or other things that someone or an organization owns
123. mo____g ceremony *adj.* causing strong emotions or feelings, especially sadness or sympathy
124. take a be_____e approach *n.* a straight, direct route taken with or as if with the intentions of a bee flying to its hive or a source of nectar or pollen
125. ae_____ce engineering *adj.* pertaining to the design, engineering, science, and technology related to the Earth's atmosphere and the exploration or use of space beyond it
126. pr_____s improvement *n.* a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products
127. pa_____ic attempt *adj.* arousing pity, sorrow, or compassion; expressing or evoking sadness, weakness, or inadequacy; inadequate or inferior in quality or ability
128. a numerator in a fr_____on *n.* a small part or item forming a piece of a whole; the quotient of two rational numbers
129. astronomic lo_____de *n.* the angular distance between a point on any meridian and the prime meridian at Greenwich

ANSWERS: 121. commerce, 122. wealth, 123. moving, 124. beeline, 125. aerospace, 126. process, 127. pathetic, 128. fraction, 129. longitude

130. ma___d decline *adj.* having a noticeable feature or distinctive quality; easily noticeable or obvious
131. gr___y for money *adj.* having or showing an intense or insatiable desire for wealth, status, power, or food
132. cap_____ty assessment *n.* the ability, skill, or competence to do something; the potential or aptitude for a particular task or function
133. bo___e across the floor *v.* to cause to move up or away after hitting a surface; to spring back
134. p__t with questions *v.* to hit or throw things at someone or something repeatedly and forcefully; to rain heavily
135. lo___e a tumor *v.* to specify or determine the exact position of someone or something
136. strong and co_____ed sales staff *adj.* willing to put in a lot of effort, time, and energy into something; firmly believing in something
137. artificial bi_____re *n.* the part of the Earth and its atmosphere in which living organisms exist, including plants, animals, and microorganisms
138. le__r for reform *n.* a handle used to operate a vehicle or a machine; a rigid bar resting on a pivot so that one end of it can be pushed or pulled easily
139. ve_____l hernia *adj.* relating to or situated on or toward the belly or underside of an animal or organ; opposite of dorsal

ANSWERS: 130. marked, 131. greedy, 132. capability, 133. bounce, 134. pelt, 135. locate, 136. committed, 137. biosphere, 138. lever, 139. ventral

140. aircraft wr___t *n.* a person who makes or repairs something, especially a craftsman or artisan who works with wood or metal
141. eve_____ly become obsolete *adv.* finally, particularly after a long time or a lot of struggle, complications, and so on
142. ob_____e answer *adj.* not well known to many people
143. rev_____ize the industry *v.* to bring about a complete or radical change in something, often through the introduction of new methods or ideas
144. we__h heavily on stock prices *v.* to have a particular weight; to carefully evaluate things before making a conclusion
145. pr_____us information *adj.* uncommon and extremely valuable
146. a un___e teacher *adj.* being the only one of its kind; unlike anything else
147. gr__d bargain *adj.* important and large in size, scope, or extent
148. m_r the reputation *v.* to damage or spoil the appearance or surface of something
149. ho_____on destination *n.* a period of time, often a few weeks, immediately following a wedding during which the newlywed couple goes on a vacation or trip together to celebrate their marriage and spend time together as a couple
150. acc_____te the car *v.* to make something faster or earlier; to cause to develop or progress more quickly

ANSWERS: 140. wright, 141. eventually, 142. obscure, 143. revolutionize, 144. weigh, 145. precious, 146. unique, 147. grand, 148. mar, 149. honeymoon, 150. accelerate

151. pas_____te speech *adj.* showing intense emotion or strong feeling; characterized by great enthusiasm or zeal; deeply committed to a cause or belief
152. we__h a cargo *v.* to have a particular weight; to carefully evaluate things before making a conclusion
153. m_r a proper relationship *v.* to damage or spoil the appearance or surface of something
154. vi_____ry business *adj.* having or showing exceptional foresight and imagination; not practical or realizable; speculative
155. a planetary or__t *n.* the path of an object around a celestial body, especially a planet, star, or moon, under the influence of gravity; (of medicine) the bony cavity in the skull that houses the eyeball and its associated structures, like muscles, nerves, and blood vessels
156. vi_____ry ideas *adj.* having or showing exceptional foresight and imagination; not practical or realizable; speculative
157. parched s__l *n.* the top layer of Earth in which plants grow
158. ve__e of bankruptcy *n.* the point at which something is about to happen or where something begins; the edge or margin of something, particularly a physical boundary or border
159. 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: 151. passionate, 152. weigh, 153. mar, 154. visionary, 155. orbit, 156. visionary, 157. soil, 158. verge, 159. discovery

160. st_____le weapons *n.* a large quantity or reserve of goods or materials that are accumulated and stored for future use, often used for emergency or contingency purposes; (verb) to accumulate or gather a large quantity of something, usually for future use or as a reserve
161. beginning of the ind_____al revolution *adj.* of or relating to or resulting from industry
162. mar_____ce competition *n.* a physical or virtual venue where goods or services are bought and sold; an economic system that facilitates exchange between buyers and sellers
163. a successful ent_____eur *n.* an individual who creates or invests in one or more businesses, especially when this involves taking financial risks
164. in_____te the quality of his life *v.* to introduce new methods, ideas, or products
165. extra b__k *n.* a male deer; a unit of currency, especially the US dollar; a sudden jolt or movement; a young man; (verb) to resist or oppose something, such as an authority, trend, or convention
166. service f_e *n.* a sum of money charged for a particular service
167. ju__e a competition *n.* a person who makes decisions in a court of law; (verb) to determine the result of or form a critical opinion of something

ANSWERS: 160. stockpile, 161. industrial, 162. marketplace, 163. entrepreneur, 164. innovate, 165. buck, 166. fee, 167. judge

168. research in_____tes *n.* an organization that has a specific purpose, particularly one dealing with science, education, or a particular profession; (verb) to initiate, introduce, or establish something
169. 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
170. p__p stick *n.* a piece of wood, metal, etc., placed beneath or against something to support it or keep it in position; a system, institution, or person that gives help or support to someone or something
171. federal ci_____t courts *n.* (in electrical engineering) an electrical device that provides a path for electrical current to flow; a journey or route around a particular place or area
172. ex_____e our options *v.* to travel to or penetrate an area or a country to learn about it; to thoroughly examine a subject or a possibility to learn more about it
173. rag d__l *n.* a child's toy that typically represents a human figure, especially a young girl; an attractive woman; a woman who is subservient or passive
174. save the pl_____t *n.* any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star

ANSWERS: 168. institute, 169. gravity, 170. prop, 171. circuit, 172. explore, 173. doll, 174. planet

175. wei_____ss flight *adj.* having no weight or feeling as if one has no weight, often related to zero gravity or outer space
176. historical an_____y *n.* a comparison between similar things that have similar aspects, often used to help explain a principle or concept
177. ex___e the crowd *v.* to make someone feel suddenly enthusiastic or eager
178. the acc_____ent of a social goal *n.* the successful completion of a task or goal; an ability that has been acquired by training
179. ex___d time and resources *v.* to use or spend time, money, energy, etc.
180. the mai_____ce of the car *n.* the act or process of keeping something, either artificial materials or living things, in good condition; the money needed for a person's or family's living expenses
181. ex_____ng news *adj.* causing a lot of interest or excitement
182. improved student ou_____es *n.* the result or effect of an action, event, etc.
183. agricultural org_____ion *n.* a group of people who work together for a shared purpose
184. so_____al expectations *adj.* relating to society or social relationships
185. un___e design *adj.* being the only one of its kind; unlike anything else
186. learn new co_____ts *n.* an idea or principle associated with something abstract

ANSWERS: 175. weightless, 176. analogy, 177. excite, 178. accomplishment, 179. expend, 180. maintenance, 181. exciting, 182. outcome, 183. organization, 184. societal, 185. unique, 186. concept

187. art cr___c *n.* someone who expresses opinions about the quality of books, music, etc.
188. di____ur fossil *n.* a large extinct reptile, often with an armored back, long neck, tail, and bony plates on the skin
189. rev_____ize the technology *v.* to bring about a complete or radical change in something, often through the introduction of new methods or ideas
190. teaching cre_____al *v.* to provide someone with certification or verification of their qualifications, usually in a particular field or profession; (noun) a document attesting to the truth of certain stated facts
191. acc_____te a chemical reaction *v.* to make something faster or earlier; to cause to develop or progress more quickly
192. media pu_____ty *n.* the attention, awareness, or exposure given to someone or something by the media or through promotional efforts; the actions or efforts aimed at creating public interest, awareness, or recognition
193. eliminate red_____cy *n.* the state of being unnecessary, especially through being able to be replaced by something else
194. g__b an opportunity *v.* to take hold of something or someone suddenly with a hand, especially in a violent way
195. act of fo__y *n.* a lack of good sense or judgment; foolishness or absurdity; specifically, a costly, useless, or pointless building or project that has been created or undertaken for no practical purpose or benefit

ANSWERS: 187. critic, 188. dinosaur, 189. revolutionize, 190. credential, 191. accelerate, 192. publicity, 193. redundancy, 194. grab, 195. folly

196. 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
197. in___t in stocks *v.* to put money, effort, time, etc. into something to make a profit or achieve a result
198. ve_____l fin *adj.* relating to or situated on or toward the belly or underside of an animal or organ; opposite of dorsal
199. ec_____y class *n.* the system by which a country or region produces manages, and distributes goods and services, including the money and finances involved in these activities; (of an airline) the lowest-priced, most basic option for seating in commercial travel
200. an associate ju___e *n.* a person who makes decisions in a court of law; (verb) to determine the result of or form a critical opinion of something
201. ent_____hip culture *n.* the process or skill of starting and running a business, particularly a new and innovative one
202. a ra_____l flaw in the plan *adj.* relating to the essential aspects of anything; far beyond the norm, mainly used of opinions and actions
203. re___e existing knowledge *v.* to use something again or more than once
204. a sort of ma___l *n.* any animal of which the female gives birth to live young, not eggs, and feeds her young on milk from her own body

ANSWERS: 196. planet, 197. invest, 198. ventral, 199. economy, 200. judge, 201. entrepreneurship, 202. radical, 203. reuse, 204. mammal

205. mo_____te the students *v.* to make someone want to do something, especially something that requires tremendous work and effort
206. me_____al chemistry *adj.* of or relating to the treatment or cure of disease
207. the grand ch_____on *n.* someone who has won first place in a competition; someone who fights for a specific group of people or a belief
208. cor_____on assets *n.* a large company or group of companies that are controlled together by law as a single unit
209. cre_____al themselves by showing their registration *v.* to provide someone with certification or verification of their qualifications, usually in a particular field or profession; (noun) a document attesting to the truth of certain stated facts
210. jo__e heating *n.* the unit of measurement for energy in the International System of Units (SI), equal to the work done by a force of one newton when its point of application moves one meter in the direction of the force
211. laws of ph_____s *n.* the science of matter and energy and their interactions
212. severe cr___c *n.* someone who expresses opinions about the quality of books, music, etc.
213. eat a vegetarian d__t *n.* the food and drink that a person, animal, or community eats and drinks regularly; a legislative assembly in certain countries, for example, Japan

ANSWERS: 205. motivate, 206. medicinal, 207. champion, 208. corporation, 209. credential, 210. joule, 211. physics, 212. critic, 213. diet

214. take an un_____in attitude *adj.* not being sure of something; not being able to choose
215. the fu__y skin *adj.* covered in fur or a furry material; resembling fur
216. ty_____l leader *adj.* having the usual characteristics or traits of a specific group of things
217. mo__l burden *adj.* concerned with the principles of what is right and wrong, fairness, honesty, etc.
218. sp_____r a local group *v.* to provide funds for a particular event, program, individual, etc. as a way of advertising
219. in_____te in supply *adj.* unlimited or very great; impossible to measure
220. cognitive com_____ty *n.* the state or quality of being complicated or intricate and difficult to understand
221. pro_____tic model *adj.* characterized by the influence of chance or probability; involving the use of statistical models or methods to estimate likelihoods or risks
222. a private ind_____al *n.* a single person or thing, as distinct from a group
223. translate li_____ly *adv.* in the real or original meaning of a word or phrase; in a literal sense or way; not figuratively
224. sp_____it helmet *n.* a protective garment that astronauts wear and other space travelers when outside a spacecraft or in a space environment
225. a selfish de_____on *n.* the act or process of making up someone's mind about something; a choice or judgment reached after considering options

ANSWERS: 214. uncertain, 215. furry, 216. typical, 217. moral, 218. sponsor, 219. infinite, 220. complexity, 221. probabilistic, 222. individual, 223. literally, 224. spacesuit, 225. decision

226. chaotic env_____nt *n.* the natural world such as air, water, and land in which humans, animals, and plants live
227. ni___l plate *n.* a silver-white metallic element with the symbol Ni, used in many alloys and as a coin; a United States coin worth one-twentieth of a dollar
228. in_____te a lawsuit *n.* an organization that has a specific purpose, particularly one dealing with science, education, or a particular profession; (verb) to initiate, introduce, or establish something
229. sl___e a card across the table *v.* to move or cause to move smoothly along a surface without interruption
230. sp_____r a contest *v.* to provide funds for a particular event, program, individual, etc. as a way of advertising
231. con_____ion of armaments *n.* the ability to focus all your time and energy on one thing without thinking about anything else.
232. unr_____ble demand *adj.* not fair, sensible, or likely to be true
233. ar_____ly the greatest discovery *adv.* used when expressing an opinion or idea that you believe can be proven true
234. an_____ce the award winners *v.* to make something known or officially inform people about something
235. intraspecific com_____on *n.* a situation in which someone is attempting to beat or outperform another
236. an Arctic exp_____on *n.* the activity of searching and finding out about something through a place

ANSWERS: 226. environment, 227. nickel, 228. institute, 229. slide, 230. sponsor, 231. concentration, 232. unreasonable, 233. arguably, 234. announce, 235. competition, 236. exploration

237. sp___t and the letter of the law *n.* the part of a person which is the seat of their mind, feelings, and character rather than their physical body; the general atmosphere of a place or situation and the effect that it has on people
238. chemical re____on *n.* a response that reveals a person's feelings or attitude; (in chemistry) a process in which one or more substances are changed into others
239. health po___y *n.* a set of rules, guidelines, principles, or procedures that govern decision-making or action, often used in the context of business or government; a course of action or plan of action adopted or followed by an organization or individual to achieve a goal or objective
240. a civil en____er *n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software
241. public ri____le *n.* speech or behavior that makes fun of or mocks someone or something; teasing, sarcasm, or scornful remarks that are intended to belittle or humiliate; (verb) to mock, criticize, or make fun of someone or something in a scornful or derisive way
242. ex____e the world *v.* to travel to or penetrate an area or a country to learn about it; to thoroughly examine a subject or a possibility to learn more about it

ANSWERS: 237. spirit, 238. reaction, 239. policy, 240. engineer, 241. ridicule, 242. explore

243. residual qu____ty *n.* the amount or number of something; magnitude
244. in a co_____ed relationship *adj.* willing to put in a lot of effort, time, and energy into something; firmly believing in something
245. an unr_____ble amount of money *adj.* not fair, sensible, or likely to be true
246. pl_____um record *n.* a dense, precious, silvery-white metal with the atomic number 78 and the symbol Pt that is highly resistant to corrosion and tarnishing, often used in jewelry, coins, and industrial applications
247. am_____g advances *adj.* extremely surprising, especially in a way that you like or admire
248. lo___e a missing pet *v.* to specify or determine the exact position of someone or something
249. numerous un_____in factors *adj.* not being sure of something; not being able to choose
250. the se_____ce of the seasons *n.* a series of related events, actions, numbers, etc., which have a particular order
251. a test pi__t *n.* a person who flies an aircraft, especially as a job; a person qualified to guide ships through a difficult area of water
252. half qu_____ty *n.* the amount or number of something; magnitude
253. en_____er shortage *n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software

ANSWERS: 243. quantity, 244. committed, 245. unreasonable, 246. platinum, 247. amazing, 248. locate, 249. uncertain, 250. sequence, 251. pilot, 252. quantity, 253. engineer

254. emergency sp_____it *n.* a protective garment that astronauts wear and other space travelers when outside a spacecraft or in a space environment
255. mass of hu_____ty *n.* all people living on the earth; the quality or state of being human rather than an animal, a machine, etc.
256. a cr__y scheme *adj.* stupid or not sensible; very angry
257. b__k the trend *n.* a male deer; a unit of currency, especially the US dollar; a sudden jolt or movement; a young man; (verb) to resist or oppose something, such as an authority, trend, or convention
258. bre_____ugh in the negotiations *n.* a sudden, dramatic, and important discovery or development that helps to improve a situation or provide an answer to a problem
259. bank and credit un__ns *n.* a group of employees who have banded together to advocate for their rights and better their working conditions; the act or the state of joining together or being joined together
260. pa_____ic display *adj.* arousing pity, sorrow, or compassion; expressing or evoking sadness, weakness, or inadequacy; inadequate or inferior in quality or ability
261. employee da_____se *n.* a large amount of data stored in a computer system in such a way that it can be searched and updated easily

ANSWERS: 254. spacesuit, 255. humanity, 256. crazy, 257. buck, 258. breakthrough, 259. union, 260. pathetic, 261. database

262. pa_____ng materials *n.* the process, materials, or container used to wrap or contain a product for distribution, storage, or sale; the design or appearance of a product's packaging
263. biomass f__l *n.* a substance that is typically burned to generate heat or energy
264. hulking di_____ur *n.* a large extinct reptile, often with an armored back, long neck, tail, and bony plates on the skin
265. cl__m responsibility *v.* to assert that something is true; to demand or request something as one's own; to lay legal or moral right to something; (noun) a demand or assertion of a right or something that one believes to be true
266. functional spe_____ion *n.* a detailed description of the characteristics, features, or requirements of something, typically a product or system; a written statement that outlines the standards, procedures, or requirements for a project or job
267. romantic ho_____on *n.* a period of time, often a few weeks, immediately following a wedding during which the newlywed couple goes on a vacation or trip together to celebrate their marriage and spend time together as a couple
268. decision-making pr_____s *n.* a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products

ANSWERS: 262. packaging, 263. fuel, 264. dinosaur, 265. claim, 266. specification, 267. honeymoon, 268. process

269. plastic d__l *n.* a child's toy that typically represents a human figure, especially a young girl; an attractive woman; a woman who is subservient or passive
270. ex___e rebellion *v.* to make someone feel suddenly enthusiastic or eager
271. the most am_____g feeling *adj.* extremely surprising, especially in a way that you like or admire
272. g__e expression *n.* the fundamental unit of heredity and the sequence of nucleotides in DNA that codes for the creation of RNA or protein.
273. ti___r construction *n.* the wood of trees cut and prepared for construction
274. ex_____ng football player *adj.* causing a lot of interest or excitement
275. mo___g experience *adj.* causing strong emotions or feelings, especially sadness or sympathy
276. mai_____ce work *n.* the act or process of keeping something, either artificial materials or living things, in good condition; the money needed for a person's or family's living expenses
277. bo___e back from failure *v.* to cause to move up or away after hitting a surface; to spring back
278. pr_____le cause of a fire *adj.* likely to happen or likely to be true
279. de___d against a threat *v.* to protect someone or something from attack, criticism, danger, etc.
280. a fr_____onal share of the vote *n.* a small part or item forming a piece of a whole; the quotient of two rational numbers

ANSWERS: 269. doll, 270. excite, 271. amazing, 272. gene, 273. timber, 274. exciting, 275. moving, 276. maintenance, 277. bounce, 278. probable, 279. defend, 280. fraction

281. learning cu__e *n.* a bend or angle in a line or surface that deviates from a straight or flat path; a gradual or smooth change in direction or shape
282. ind_____al freedom *n.* a single person or thing, as distinct from a group
283. ch__f accountant *adj.* most important or primary; (noun) a person who is in charge
284. exo_____ic combustion *adj.* referring to a chemical reaction or process that releases heat or energy to the surroundings
285. behind a d__e *n.* an American or Canadian coin worth one-tenth of a dollar
286. ca___n dioxide *n.* a chemical element that can be found in pure form as diamond or graphite, and it is also an essential part of coal and oil and is found in all plants and animals
287. a ch_____on of peace *n.* someone who has won first place in a competition; someone who fights for a specific group of people or a belief
288. low al_____de *n.* the height of an object or point in relation to sea level or ground level
289. a ra_____l cure *adj.* relating to the essential aspects of anything; far beyond the norm, mainly used of opinions and actions
290. f__e abroad *v.* to leave by running away, especially out of fear or danger
291. gr__t a land *v.* to agree to give or allow somebody

ANSWERS: 281. curve, 282. individual, 283. chief, 284. exothermic, 285. dime, 286. carbon, 287. champion, 288. altitude, 289. radical, 290. flee, 291. grant

292. global mar_____ce *n.* a physical or virtual venue where goods or services are bought and sold; an economic system that facilitates exchange between buyers and sellers
293. tre_____us amount *adj.* very great in degree or extent or amount or impact; extremely good
294. pr_____e the amendment *v.* to make a proposal, declare a plan for something
295. p__t him with stones *v.* to hit or throw things at someone or something repeatedly and forcefully; to rain heavily
296. the or__t of the moon *n.* the path of an object around a celestial body, especially a planet, star, or moon, under the influence of gravity; (of medicine) the bony cavity in the skull that houses the eyeball and its associated structures, like muscles, nerves, and blood vessels
297. boundless cu_____ty *n.* a strong desire to know or learn about something
298. a ge_____c disorder *adj.* of or relating to genes (= parts of the DNA in cells) or the science of genes
299. pi__t production *n.* a person who flies an aircraft, especially as a job; a person qualified to guide ships through a difficult area of water
300. in___e domestic tranquility *v.* to provide coverage in the event of loss or damage
301. sequencing of the human ge___e *n.* the complete set or sequence of genes of a human, animal, plant, or other living things

ANSWERS: 292. marketplace, 293. tremendous, 294. propose, 295. pelt, 296. orbit, 297. curiosity, 298. genetic, 299. pilot, 300. insure, 301. genome

302. fou_____on course *n.* the lowest load-bearing part of a building, typically below ground level; a fundamental basis or principle upon which something is built or established; an organization that provides funding or support for charitable or educational purposes
303. ge___e analyses *n.* the complete set or sequence of genes of a human, animal, plant, or other living things
304. price of pr_____us metals *adj.* uncommon and extremely valuable
305. ae_____ce and defense industry *adj.* pertaining to the design, engineering, science, and technology related to the Earth's atmosphere and the exploration or use of space beyond it
306. de_____e independence *v.* to say, state, or announce something clearly, officially, or publicly
307. a gear change le__r *n.* a handle used to operate a vehicle or a machine; a rigid bar resting on a pivot so that one end of it can be pushed or pulled easily
308. vi___n material *n.* a person who has never had sex; (adjective) being used or worked for the first time
309. 30-w__t light bulb *n.* a standard unit for measuring electrical power
310. literature of pe_____nt value *adj.* lasting for a long time without essential change
311. all ability to mo_____te *v.* to make someone want to do something, especially something that requires tremendous work and effort

ANSWERS: 302. foundation, 303. genome, 304. precious, 305. aerospace, 306. declare, 307. lever, 308. virgin, 309. watt, 310. permanent, 311. motivate

312. acc_____le to pity *adj.* capable of being reached, easily got, or seen
313. a mi_____ry leader *adj.* relating to or characteristic of members of the armed forces; of or relating to war or warfare
314. nuclear st_____le *n.* a large quantity or reserve of goods or materials that are accumulated and stored for future use, often used for emergency or contingency purposes; (verb) to accumulate or gather a large quantity of something, usually for future use or as a reserve
315. mass pu_____ty *n.* the attention, awareness, or exposure given to someone or something by the media or through promotional efforts; the actions or efforts aimed at creating public interest, awareness, or recognition
316. a be_____e to the exit *n.* a straight, direct route taken with or as if with the intentions of a bee flying to its hive or a source of nectar or pollen
317. sh_____e service *n.* a vehicle or boat that regularly moves between two places; bobbin that passes the weft thread between the warp threads
318. 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
319. ma_____in order *v.* to continue to uphold or sustain; to keep in a particular state or condition; to assert or declare something to be true

ANSWERS: 312. accessible, 313. military, 314. stockpile, 315. publicity, 316. beeline, 317. shuttle, 318. discovery, 319. maintain

320. have fu__y leaves *adj.* covered in fur or a furry material; resembling fur
321. mat_____cs competition *n.* the science dealing with the logic of quantities, shapes, spaces, and arrangement
322. d__e store *n.* an American or Canadian coin worth one-tenth of a dollar
323. moral imp_____ve *adj.* very important or requiring attention or action
324. co_____t car *n.* an idea or principle associated with something abstract
325. gov_____nt funding *n.* the group of people with authority to control a country or state
326. have dis_____us consequences *adj.* extremely bad, harmful, or unsuccessful
327. re_____e a prisoner *v.* to set free or allow to escape from confinement
328. da_____se administrator *n.* a large amount of data stored in a computer system in such a way that it can be searched and updated easily
329. a good grounding in mat_____cs *n.* the science dealing with the logic of quantities, shapes, spaces, and arrangement
330. pe_____nt life insurance *adj.* lasting for a long time without essential change
331. the meridian al_____de *n.* the height of an object or point in relation to sea level or ground level
332. s__ls retentive of moisture *n.* the top layer of Earth in which plants grow

ANSWERS: 320. furry, 321. mathematics, 322. dime, 323. imperative, 324. concept, 325. government, 326. disastrous, 327. release, 328. database, 329. mathematics, 330. permanent, 331. altitude, 332. soil

333. s__l a hole *v.* to close or fasten an envelope, etc. securely; (noun) a large marine mammal that chiefly lives in cold regions and comes on shore to breed
334. ind_____us worker *adj.* hardworking, diligent, and persistent in effort
335. the DNA se_____ce *n.* a series of related events, actions, numbers, etc., which have a particular order
336. li_____me ban from the sport *n.* the duration of someone's life or something's existence;
337. proud of his acc_____ents *n.* the successful completion of a task or goal; an ability that has been acquired by training
338. com_____ty theory *n.* the state or quality of being complicated or intricate and difficult to understand
339. la____h a big attack *v.* to send or propel something into the air or space using a device such as a rocket, missile, or spacecraft; to make something available or on sale for the first time
340. a fur s__l *v.* to close or fasten an envelope, etc. securely; (noun) a large marine mammal that chiefly lives in cold regions and comes on shore to breed
341. on the ve__e of tears *n.* the point at which something is about to happen or where something begins; the edge or margin of something, particularly a physical boundary or border

ANSWERS: 333. seal, 334. industrious, 335. sequence, 336. lifetime, 337. accomplishment, 338. complexity, 339. launch, 340. seal, 341. verge

342. bre_____ugh discovery *n.* a sudden, dramatic, and important discovery or development that helps to improve a situation or provide an answer to a problem
343. ca___n emission *n.* a chemical element that can be found in pure form as diamond or graphite, and it is also an essential part of coal and oil and is found in all plants and animals
344. in_____te appetite *adj.* unlimited or very great; impossible to measure
345. space sh_____e *n.* a vehicle or boat that regularly moves between two places; bobbin that passes the weft thread between the warp threads
346. the degree of dif_____ty *n.* a condition or state that causes problems
347. understand his mot_____on *n.* the reason or enthusiasm for acting or behaving in a particular way
348. the Italian fr_____er with Switzerland *n.* a border that separates two countries, or the area near this line
349. satellite pa_____d *n.* the amount of cargo or goods that a vehicle or equipment is designed to carry or transport; in computing, the amount of data that can be transmitted over a communication system
350. engineering spe_____ion *n.* a detailed description of the characteristics, features, or requirements of something, typically a product or system; a written statement that outlines the standards, procedures, or requirements for a project or job

ANSWERS: 342. breakthrough, 343. carbon, 344. infinite, 345. shuttle, 346. difficulty, 347. motivation, 348. frontier, 349. payload, 350. specification

351. ca_____te his credit score *v.* to judge or find out the amount or number of something by using mathematics
352. real es___e transaction *n.* a large piece of land with an impressive house on it, often owned by a wealthy family; all of a person's possessions and assets at the time of their death; an area of land considered as a unit in terms of ownership, use or taxation
353. technological cap_____ty *n.* the ability, skill, or competence to do something; the potential or aptitude for a particular task or function
354. ca_____te the distance *v.* to judge or find out the amount or number of something by using mathematics
355. nuclear ph_____s *n.* the science of matter and energy and their interactions
356. na_____le device *adj.* on a scale that can be measured in nanometres (= one billionth of a meter); on a very small scale
357. his social st_____ng *adj.* existing or remaining upright; having a vertical position; (noun) social, financial, or professional status or reputation
358. 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
359. wei_____ss environment *adj.* having no weight or feeling as if one has no weight, often related to zero gravity or outer space

ANSWERS: 351. calculate, 352. estate, 353. capability, 354. calculate, 355. physics, 356. nanoscale, 357. standing, 358. metal, 359. weightless

360. exo_____ic energy transfer *adj.* referring to a chemical reaction or process that releases heat or energy to the surroundings
361. enter vi____n territory *n.* a person who has never had sex; (adjective) being used or worked for the first time
362. re__e the materials *v.* to use something again or more than once
363. draw an_____y *n.* a comparison between similar things that have similar aspects, often used to help explain a principle or concept
364. a gr__d meal *adj.* important and large in size, scope, or extent
365. many tr_____ons of dollars *n.* the number 1,000,000,000,000; a million million
366. f_e calculation *n.* a sum of money charged for a particular service
367. his research area of
con_____ion *n.* the ability to focus all your time and energy on one thing without thinking about anything else.
368. ex___d a great deal of energy *v.* to use or spend time, money, energy, etc.
369. en_____ic density *adj.* possessing or exerting or displaying energy
370. a line of lo_____de *n.* the angular distance between a point on any meridian and the prime meridian at Greenwich
371. cr__b of information *n.* a small particle or fragment of food or other substance, often one that has broken off from a larger piece; a very small amount or portion of something

ANSWERS: 360. exothermic, 361. virgin, 362. reuse, 363. analogy, 364. grand, 365. trillion, 366. fee, 367. concentration, 368. expend, 369. energetic, 370. longitude, 371. crumb

372. promotional fl__r *n.* (also "flyer") a person who travels by air or an airplane passenger; a leaflet or pamphlet designed to be handed out or posted to provide information or advertise something
373. in___t capital *v.* to put money, effort, time, etc. into something to make a profit or achieve a result
374. g__e cloning *n.* the fundamental unit of heredity and the sequence of nucleotides in DNA that codes for the creation of RNA or protein.
375. a public cor_____on *n.* a large company or group of companies that are controlled together by law as a single unit
376. b_t on a race *v.* to risk money on the result of an event or a competition, such as a race or game, to get more money; to have faith or confidence in something
377. tr_____on cubic feet *n.* the number 1,000,000,000,000; a million million
378. terrestrial bi_____re *n.* the part of the Earth and its atmosphere in which living organisms exist, including plants, animals, and microorganisms

ANSWERS: 372. flier, 373. invest, 374. gene, 375. corporation, 376. bet, 377. trillion, 378. biosphere

Session 3: Fill in the Blanks

1. It is a basic instinct to _____ from a dangerous situation.
v. to leave by running away, especially out of fear or danger
2. The scratches on the car _____ its otherwise perfect appearance.
v. to damage or spoil the appearance or surface of something
3. The _____ of the building was cracked and needed to be repaired.
n. the lowest load-bearing part of a building, typically below ground level; a fundamental basis or principle upon which something is built or established; an organization that provides funding or support for charitable or educational purposes
4. The findings of the experiment were both _____ and unexpected.
adj. causing a lot of interest or excitement
5. The _____ pressure to conform is strong in this community.
adj. relating to society or social relationships
6. After finishing his last final exam, he made a _____ for the home to relax.
n. a straight, direct route taken with or as if with the intentions of a bee flying to its hive or a source of nectar or pollen
7. The human _____ contains approximately three billion chemical base pairs.
n. the complete set or sequence of genes of a human, animal, plant, or other living things
8. He couldn't _____ the actual value of the artwork.
v. to judge or find out the amount or number of something by using mathematics

ANSWERS: 1. flee, 2. marred, 3. foundation, 4. exciting, 5. societal, 6. beeline, 7. genome, 8. calculate

9. An intelligent battery has a voltage monitoring _____.
- n.* (in electrical engineering) an electrical device that provides a path for electrical current to flow; a journey or route around a particular place or area
10. They awaited news of the _____ of the election.
- n.* the result or effect of an action, event, etc.
11. The company hired a PR agency to handle its _____ campaign.
- n.* the attention, awareness, or exposure given to someone or something by the media or through promotional efforts; the actions or efforts aimed at creating public interest, awareness, or recognition
12. The ability to _____ people is a priceless asset.
- v.* to make someone want to do something, especially something that requires tremendous work and effort
13. The painting is _____ and there is no other like it.
- adj.* being the only one of its kind; unlike anything else
14. You must _____ with others to obtain this position.
- v.* to strive to achieve more success than someone or something
15. The _____ hurricane season runs from June to November each year.
- adj.* relating to or located near the Atlantic Ocean, which is the second-largest ocean on Earth, located between the continents of North and South America to the west and Europe and Africa to the east
16. _____ moisture is another significant component controlling soil respiration.
- n.* the top layer of Earth in which plants grow

ANSWERS: 9. circuit, 10. outcome, 11. publicity, 12. motivate, 13. unique, 14. compete, 15. Atlantic, 16. Soil

17. I spotted a majestic _____ with large antlers standing at the forest's edge.

n. a male deer; a unit of currency, especially the US dollar; a sudden jolt or movement; a young man; (verb) to resist or oppose something, such as an authority, trend, or convention

18. It is _____ for politicians to be effective communicators.

adj. very important or requiring attention or action

19. The supermarket encourages shoppers to _____ plastic bags.

v. to use something again or more than once

20. Mining is a _____ source of income for the country.

adj. most important or primary; (noun) a person who is in charge

21. The company is set to _____ its new product line next month.

v. to send or propel something into the air or space using a device such as a rocket, missile, or spacecraft; to make something available or on sale for the first time

22. The _____ inequality was unavoidable.

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

23. Melanoma in _____ is considered the earliest stage of melanoma and has a high cure rate with appropriate treatment.

adj. short for "situated," meaning located or placed in a particular position or circumstance

24. The _____ exercised great care in landing.

n. a person who flies an aircraft, especially as a job; a person qualified to guide ships through a difficult area of water

ANSWERS: 17. buck, 18. imperative, 19. reuse, 20. chief, 21. launch, 22. wealth, 23. situ, 24. pilot

25. Trees absorb _____ dioxide and give off oxygen.

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

26. The corporation _____ dominated the entire tobacco business.

adv. finally, particularly after a long time or a lot of struggle, complications, and so on

27. 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

28. He has _____ exercising because of a back injury sustained in an accident.

n. a condition or state that causes problems

29. The rain and thunder are _____ today.

adj. stupid or not sensible; very angry

30. I need to _____ my car regularly to prevent any major mechanical issues.

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

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

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

32. The _____ from his classmates made him feel embarrassed and ashamed.

n. speech or behavior that makes fun of or mocks someone or something; teasing, sarcasm, or scornful remarks that are intended to belittle or humiliate; (verb) to mock, criticize, or make fun of someone or something in a scornful or derisive way

ANSWERS: 25. carbon, 26. eventually, 27. arguably, 28. difficulty, 29. crazy, 30. maintain, 31. critics, 32. ridicule

33. The federal _____ is planning to increase taxes for the next fiscal year.
n. the group of people with authority to control a country or state
34. The _____ bicyclist outrode all his competitors.
n. someone who has won first place in a competition; someone who fights for a specific group of people or a belief
35. The animal rights group worked to _____ the dolphins back into the wild.
v. to set free or allow to escape from confinement
36. As a frequent _____ I accumulate a lot of miles that I use for vacation trips.
n. (also "flyer") a person who travels by air or an airplane passenger; a leaflet or pamphlet designed to be handed out or posted to provide information or advertise something
37. The nation's healthcare system is in _____ at the moment.
n. the process or period of changing from one state or circumstance to another
38. Their _____ argument lasted for hours, neither willing to back down.
adj. showing intense emotion or strong feeling; characterized by great enthusiasm or zeal; deeply committed to a cause or belief
39. This process caused an _____ chemical reaction.
adj. possessing or exerting or displaying energy
40. This information was primarily _____ in the first release.
adj. not well known to many people
41. We do move forward with those tasks in _____ next week.
n. a series of related events, actions, numbers, etc., which have a particular order

ANSWERS: 33. government, 34. champion, 35. release, 36. flier, 37. transition, 38. passionate, 39. energetic, 40. obscured, 41. sequence

42. A technique called deep learning has led to _____ in AI.
- n.* a sudden, dramatic, and important discovery or development that helps to improve a situation or provide an answer to a problem
43. I want to _____ a toast in honor of our longstanding relationship.
- v.* to make a proposal, declare a plan for something
44. This initiative will be a _____ for increasing company sales.
- n.* a handle used to operate a vehicle or a machine; a rigid bar resting on a pivot so that one end of it can be pushed or pulled easily
45. The lawyer's _____ for the case was \$10,000.
- n.* a sum of money charged for a particular service
46. Marine _____ populations are declining worldwide due to ocean pollution.
- n.* any animal of which the female gives birth to live young, not eggs, and feeds her young on milk from her own body
47. We went to Hawaii for our _____ and had a wonderful time.
- n.* a period of time, often a few weeks, immediately following a wedding during which the newlywed couple goes on a vacation or trip together to celebrate their marriage and spend time together as a couple
48. My dog found a _____ on the floor and quickly ate it.
- n.* a small particle or fragment of food or other substance, often one that has broken off from a larger piece; a very small amount or portion of something
49. They will _____ between various emotional states.
- v.* to cause to move up or away after hitting a surface; to spring back

ANSWERS: 42. breakthroughs, 43. propose, 44. lever, 45. fee, 46. mammal, 47. honeymoon, 48. crumb, 49. bounce

50. The government should view children as national assets and actively _____ in them.

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

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

- adj.* of or relating to or resulting from industry

52. The _____ gloves are specially designed to allow for dexterity and grip, despite the vacuum of space.

- n.* a protective garment that astronauts wear and other space travelers when outside a spacecraft or in a space environment

53. A significant amount of _____ is required to be a teacher.

- n.* the reason or enthusiasm for acting or behaving in a particular way

54. I will _____ my car before I go on a road trip.

- v.* to provide coverage in the event of loss or damage

55. It would be _____ for me to expect you to work overtime without any extra compensation.

- adj.* not fair, sensible, or likely to be true

56. The project's _____ made it difficult for the team to complete it on time.

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

57. The company's pricing strategy limits its _____ to compete with other businesses in the market.

- n.* the ability, skill, or competence to do something; the potential or aptitude for a particular task or function

ANSWERS: 50. invest, 51. Industrial, 52. spacesuit, 53. motivation, 54. insure, 55. unreasonable, 56. complexity, 57. capability

58. As an _____ he had the right to make his own decisions and live his life as he saw fit.
- n.* a single person or thing, as distinct from a group
59. He stood on the _____ of a major discovery.
- n.* the point at which something is about to happen or where something begins; the edge or margin of something, particularly a physical boundary or border
60. The project's _____ outlined the goals and requirements for the team to complete.
- n.* a detailed description of the characteristics, features, or requirements of something, typically a product or system; a written statement that outlines the standards, procedures, or requirements for a project or job
61. We are motivated by _____ rather than necessity.
- n.* a strong desire to know or learn about something
62. The house uses sturdy _____ and has withstood many storms.
- n.* the wood of trees cut and prepared for construction
63. It was _____ for the hiker to climb the dangerous mountain alone.
- n.* a lack of good sense or judgment; foolishness or absurdity; specifically, a costly, useless, or pointless building or project that has been created or undertaken for no practical purpose or benefit
64. We want to _____ ties between our two countries.
- v.* to make or become better
65. Our company is strongly _____ to meeting customers' needs.
- adj.* willing to put in a lot of effort, time, and energy into something; firmly believing in something

ANSWERS: 58. individual, 59. verge, 60. specifications, 61. curiosity, 62. timber, 63. folly, 64. improve, 65. committed

66. He called for a careful _____ of the consequences.
n. the activity of searching and finding out about something through a place
67. The _____ in my pocket jingled as I walked.
n. a silver-white metallic element with the symbol Ni, used in many alloys and as a coin; a United States coin worth one-twentieth of a dollar
68. 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
69. Some kinds of machine learning models show an _____ to how people learn.
n. a comparison between similar things that have similar aspects, often used to help explain a principle or concept
70. He _____ jumped out of his chair when he heard the news.
adv. in the real or original meaning of a word or phrase; in a literal sense or way; not figuratively
71. The antique _____ was worth thousands of dollars.
n. a child's toy that typically represents a human figure, especially a young girl; an attractive woman; a woman who is subservient or passive
72. The third season of the anime show has been _____.
v. to make something known or officially inform people about something
73. The chemist worked with a _____ catalyst to speed up the reaction.
n. a dense, precious, silvery-white metal with the atomic number 78 and the symbol Pt that is highly resistant to corrosion and tarnishing, often used in jewelry, coins, and industrial applications

ANSWERS: 66. exploration, 67. nickel, 68. radical, 69. analogy, 70. literally, 71. doll, 72. announced, 73. platinum

74. This region has many _____ offering higher education.
- n.* an organization that has a specific purpose, particularly one dealing with science, education, or a particular profession; (verb) to initiate, introduce, or establish something
75. The trade _____ remained adamant about its demands.
- n.* a group of employees who have banded together to advocate for their rights and better their working conditions; the act or the state of joining together or being joined together
76. Graduating from college was a major _____ for her.
- n.* the successful completion of a task or goal; an ability that has been acquired by training
77. His _____ behavior led him to steal from the company.
- adj.* having or showing an intense or insatiable desire for wealth, status, power, or food
78. The discovery of a new _____ species made headlines in the scientific community.
- n.* a large extinct reptile, often with an armored back, long neck, tail, and bony plates on the skin
79. One light year is nearly 6 _____ miles.
- n.* the number 1,000,000,000,000; a million million
80. The _____ properties of this herb have been known to help with various ailments.
- adj.* of or relating to the treatment or cure of disease

ANSWERS: 74. institutes, 75. union, 76. accomplishment, 77. greedy, 78. dinosaur, 79. trillion, 80. medicinal

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

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

82. Global _____ is rising in virtually every industry.

n. a situation in which someone is attempting to beat or outperform another

83. He has a flair for _____.

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

84. The golfer recorded an _____ distance.

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

85. The farmer had a huge _____ of hay for the winter.

n. a large quantity or reserve of goods or materials that are accumulated and stored for future use, often used for emergency or contingency purposes; (verb) to accumulate or gather a large quantity of something, usually for future use or as a reserve

86. The trajectory of the cannonball followed a _____ in the air.

n. a symmetrical curve formed by the intersection of a cone with a plane parallel to its side; (of mathematics) a curve described by a quadratic equation (a type of polynomial equation of the second degree denoted as $ax^2 + bx + c = 0$)

87. The strict _____ ruled in favor of the plaintiff in the case.

n. a person who makes decisions in a court of law; (verb) to determine the result of or form a critical opinion of something

88. Our law firm also focuses on _____ activities.

adj. not established for commercial profit

ANSWERS: 81. moving, 82. competition, 83. mathematics, 84. amazing, 85. stockpile, 86. parabola, 87. judge, 88. nonprofit

89. This artwork is _____ of her work.

adj. having the usual characteristics or traits of a specific group of things

90. Shall we _____ a bite to eat?

v. to take hold of something or someone suddenly with a hand, especially in a violent way

91. The company had to let go of some employees due to _____.

n. the state of being unnecessary, especially through being able to be replaced by something else

92. He wants to _____ ownership of the abandoned property.

v. to assert that something is true; to demand or request something as one's own; to lay legal or moral right to something; (noun) a demand or assertion of a right or something that one believes to be true

93. The music just _____ out.

v. to fail or lose power, efficiency, or value gradually before coming to an end

94. Our company _____ numerous disabled athletes.

v. to provide funds for a particular event, program, individual, etc. as a way of advertising

95. He never received a _____ even from the company of a close friend.

n. an American or Canadian coin worth one-tenth of a dollar

96. He studied the _____ of radiation.

n. the science of matter and energy and their interactions

ANSWERS: 89. typical, 90. grab, 91. redundancy, 92. claim, 93. petered, 94. sponsors, 95. dime, 96. physics

97. The news of her promotion _____ her.

v. to make someone feel suddenly enthusiastic or eager

98. She was a skilled _____ able to craft intricate pieces of furniture.

n. a person who makes or repairs something, especially a craftsman or artisan who works with wood or metal

99. The robot can accurately _____ construction material.

v. to specify or determine the exact position of someone or something

100. The _____ for applying for a visa can be lengthy and complicated.

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

101. The wealthy businessman left his entire _____ to his children when he died.

n. a large piece of land with an impressive house on it, often owned by a wealthy family; all of a person's possessions and assets at the time of their death; an area of land considered as a unit in terms of ownership, use or taxation

102. The government is investing in programs to support _____ and small business development.

n. the process or skill of starting and running a business, particularly a new and innovative one

103. She had lived through two world wars in her _____.

n. the duration of someone's life or something's existence;

104. The _____ will repair my telephone tomorrow morning.

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

ANSWERS: 97. excited, 98. wright, 99. locate, 100. process, 101. estate, 102. entrepreneurship, 103. lifetime, 104. engineer

105. It seems _____ that he has forgotten our scheduled meeting.

adj. likely to happen or likely to be true

106. We cannot afford to squander _____ time.

adj. uncommon and extremely valuable

107. The rocket engine is used to put the satellite into _____.

n. the path of an object around a celestial body, especially a planet, star, or moon, under the influence of gravity; (of medicine) the bony cavity in the skull that houses the eyeball and its associated structures, like muscles, nerves, and blood vessels

108. The emission of hazardous substances has _____ effects on the ecology of a region.

adj. extremely bad, harmful, or unsuccessful

109. I am considering what I should do to _____ him.

v. to persuade someone or make someone believe that something is true

110. Each country's officials can access the central _____.

n. a large amount of data stored in a computer system in such a way that it can be searched and updated easily

111. The _____ in the road was so sharp that I had to slow down to navigate it safely.

n. a bend or angle in a line or surface that deviates from a straight or flat path; a gradual or smooth change in direction or shape

112. 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

ANSWERS: 105. probable, 106. precious, 107. orbit, 108. disastrous, 109. convince, 110. database, 111. curve, 112. discovery

113. A balanced _____ is more important for health than supplements.
- n.* the food and drink that a person, animal, or community eats and drinks regularly; a legislative assembly in certain countries, for example, Japan
114. The _____ for the rocket launch included several satellites and scientific instruments.
- n.* the amount of cargo or goods that a vehicle or equipment is designed to carry or transport; in computing, the amount of data that can be transmitted over a communication system
115. This exam requires excellent _____ to pass.
- n.* the ability to focus all your time and energy on one thing without thinking about anything else.
116. The management must _____ strategies to increase office security.
- v.* to travel to or penetrate an area or a country to learn about it; to thoroughly examine a subject or a possibility to learn more about it
117. Several hectares of land are needed to generate more than 1-mega_____ solar power.
- n.* a standard unit for measuring electrical power
118. If necessary, you can _____ the front seats forward.
- v.* to move or cause to move smoothly along a surface without interruption
119. The _____ scarcity most severely impacted the manufacturing sector
- n.* a substance that is typically burned to generate heat or energy
120. This company has invested heavily in Internet _____.
- n.* the activity of buying and selling things, especially on a large scale

ANSWERS: 113. diet, 114. payload, 115. concentration, 116. explore, 117. watt, 118. slide, 119. fuel, 120. commerce

121. To get the job, I need to _____ my experience and education.
v. to provide someone with certification or verification of their qualifications, usually in a particular field or profession; (noun) a document attesting to the truth of certain stated facts
122. In southward, the average annual water _____ increases.
n. the amount or number of something; magnitude
123. A defective _____ is responsible for the disease.
n. the fundamental unit of heredity and the sequence of nucleotides in DNA that codes for the creation of RNA or protein.
124. He was known to be very _____ and would often work late into the night.
adj. hardworking, diligent, and persistent in effort
125. Despite their tragic loss, the family is showing great _____.
n. the part of a person which is the seat of their mind, feelings, and character rather than their physical body; the general atmosphere of a place or situation and the effect that it has on people
126. 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
127. International law allows each nation to _____ itself when its rights and interests are illegally violated.
v. to protect someone or something from attack, criticism, danger, etc.
128. Foreign goods from abroad must be _____ to customs when entering a country.
v. to say, state, or announce something clearly, officially, or publicly

ANSWERS: 121. credential, 122. quantity, 123. gene, 124. industrious, 125. spirit, 126. gravity, 127. defend, 128. declared

129. He _____ the letter with hot wax.

- v.* to close or fasten an envelope, etc. securely; (noun) a large marine mammal that chiefly lives in cold regions and comes on shore to breed

130. She is the president of a large international _____.

- n.* a group of people who work together for a shared purpose

131. The _____ makes use of the local dialect.

- n.* a person who tells a story, especially in a book or film

132. The _____ for the fragile items was made of sturdy materials and could withstand rough handling during shipping.

- n.* the process, materials, or container used to wrap or contain a product for distribution, storage, or sale; the design or appearance of a product's packaging

133. The _____ academy was known for its strict discipline and training.

- adj.* relating to or characteristic of members of the armed forces; of or relating to war or warfare

134. In a _____ system, the outcome is uncertain and can vary based on chance.

- adj.* characterized by the influence of chance or probability; involving the use of statistical models or methods to estimate likelihoods or risks

135. We have finally lost our last _____.

- n.* a piece of wood, metal, etc., placed beneath or against something to support it or keep it in position; a system, institution, or person that gives help or support to someone or something

ANSWERS: 129. sealed, 130. organization, 131. narrator, 132. packaging, 133. military, 134. probabilistic, 135. prop

136. The online _____ offers a wide variety of products for shoppers.
n. a physical or virtual venue where goods or services are bought and sold; an economic system that facilitates exchange between buyers and sellers
137. The invention of the smartphone _____ the way we communicate with each other.
v. to bring about a complete or radical change in something, often through the introduction of new methods or ideas
138. This process improves the strength of the metal by controlling the _____ lattice structure of the metal.
adj. on a scale that can be measured in nanometres (= one billionth of a meter); on a very small scale
139. The team's performance was _____ and left the coach feeling disappointed.
adj. arousing pity, sorrow, or compassion; expressing or evoking sadness, weakness, or inadequacy; inadequate or inferior in quality or ability
140. The vegetarian burger was an _____ that quickly spread to the United Kingdom.
n. the creation of a new device or process resulting from study and experimentation
141. She was _____ about her friend's intentions.
adj. not being sure of something; not being able to choose
142. This year's _____ gathering will be held in Canada.
adj. important and large in size, scope, or extent
143. Our country's eastern border is around _____ forty degrees east.
n. the angular distance between a point on any meridian and the prime meridian at Greenwich

ANSWERS: 136. marketplace, 137. revolutionized, 138. nanoscale, 139. pathetic, 140. innovation, 141. uncertain, 142. grand, 143. longitude

144. The _____ side of the fish was beautifully colored.

adj. relating to or situated on or toward the belly or underside of an animal or organ; opposite of dorsal

145. The robust economy of the country is based on its _____ resources.

n. a solid inorganic substance occurring in nature having a definite chemical composition

146. Ethics deals with _____ conduct.

adj. concerned with the principles of what is right and wrong, fairness, honesty, etc.

147. Her _____ improvement in her grades resulted from her increased focus and effort.

adj. having a noticeable feature or distinctive quality; easily noticeable or obvious

148. I _____ that you know it.

v. to risk money on the result of an event or a competition, such as a race or game, to get more money; to have faith or confidence in something

149. The _____ bus will take you to the airport in 15 minutes.

n. a vehicle or boat that regularly moves between two places; bobbin that passes the weft thread between the warp threads

150. The baby _____ 1 pound 3 oz.

v. to have a particular weight; to carefully evaluate things before making a conclusion

151. _____ willingly accept business risks to achieve success.

n. an individual who creates or invests in one or more businesses, especially when this involves taking financial risks

ANSWERS: 144. ventral, 145. mineral, 146. moral, 147. marked, 148. bet, 149. shuttle, 150. weighs, 151. Entrepreneurs

152. Every human is responsible for taking care of the Earth's _____.
- n.* the natural world such as air, water, and land in which humans, animals, and plants live
153. The plane flew at a high _____ to avoid turbulence.
- n.* the height of an object or point in relation to sea level or ground level
154. 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
155. The company's new _____ on remote work has made it a more inclusive workplace.
- n.* a set of rules, guidelines, principles, or procedures that govern decision-making or action, often used in the context of business or government; a course of action or plan of action adopted or followed by an organization or individual to achieve a goal or objective
156. They donated large sums of money for the development of _____.
- n.* all people living on the earth; the quality or state of being human rather than an animal, a machine, etc.
157. The _____ leader had a clear plan for the company's future.
- adj.* having or showing exceptional foresight and imagination; not practical or realizable; speculative
158. He spent only a _____ of his earnings.
- n.* a small part or item forming a piece of a whole; the quotient of two rational numbers

ANSWERS: 152. environment, 153. altitude, 154. planet, 155. policy, 156. humanity, 157. visionary, 158. fraction

159. Scientists are studying the composition and origins of the _____ belt to understand the early solar system better.
- n.* (also "planetoid") a small rocky body orbiting the sun, typically in the region between Mars and Jupiter
160. We have decided to extend our _____ contract until next year.
- n.* the act or process of keeping something, either artificial materials or living things, in good condition; the money needed for a person's or family's living expenses
161. NASA is an _____ organization that explores space and improves aviation technology.
- adj.* pertaining to the design, engineering, science, and technology related to the Earth's atmosphere and the exploration or use of space beyond it
162. The _____ reaction produced a lot of heat and light.
- adj.* referring to a chemical reaction or process that releases heat or energy to the surroundings
163. We had a _____ time yesterday.
- adj.* very great in degree or extent or amount or impact; extremely good
164. The _____ concert was packed with fans.
- adj.* existing or remaining upright; having a vertical position; (noun) social, financial, or professional status or reputation
165. The stuffed animal was so _____ and soft that it was hard to resist hugging it.
- adj.* covered in fur or a furry material; resembling fur
166. The government tried to _____ the commercialization of this development.
- v.* to make something faster or earlier; to cause to develop or progress more quickly

ANSWERS: 159. asteroid, 160. maintenance, 161. aerospace, 162. exothermic, 163. tremendous, 164. standing, 165. furry, 166. accelerate

167. The battle had an _____ impact on the nation.

adj. unlimited or very great; impossible to measure

168. She is searching for a _____ residence.

adj. lasting for a long time without essential change

169. He is an _____ and genial man.

adj. capable of being reached, easily got, or seen

170. Sugar is _____ in food.

adj. being or existing everywhere at once

171. Understanding protein folding is a vital step in deciphering the _____ code.

adj. of or relating to genes (= parts of the DNA in cells) or the science of genes

172. Four companies were amalgamated into a single _____.

n. a large company or group of companies that are controlled together by law as a single unit

173. One such rapidly growing _____ is quantum cryptography.

n. an idea or principle associated with something abstract

174. This project took a lot of time to get the president's _____.

n. the belief that someone or something is good or acceptable

175. Companies developing self-driving cars consistently _____ the emerging technologies.

v. to introduce new methods, ideas, or products

ANSWERS: 167. infinite, 168. permanent, 169. accessible, 170. ubiquitous, 171. genetic, 172. corporation, 173. concept, 174. approval, 175. innovate

176. He worked at the _____ of behavioral economics.

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

177. She was struggling to make a _____ between two job offers.

n. the act or process of making up someone's mind about something; a choice or judgment reached after considering options

178. The crowd _____ the stage with bottles and cans in protest.

v. to hit or throw things at someone or something repeatedly and forcefully; to rain heavily

179. The chairperson _____ him the right to speak.

v. to agree to give or allow somebody

180. There was a chemical _____ of the lime with the groundwater.

n. a response that reveals a person's feelings or attitude; (in chemistry) a process in which one or more substances are changed into others

181. 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

182. The astronaut felt _____ as she floated inside the International Space Station.

adj. having no weight or feeling as if one has no weight, often related to zero gravity or outer space

183. The balance of the _____ is crucial for the survival of species.

n. the part of the Earth and its atmosphere in which living organisms exist, including plants, animals, and microorganisms

ANSWERS: 176. frontier, 177. decision, 178. pelted, 179. granted, 180. reaction, 181. metal, 182. weightless, 183. biosphere

184. Within a few years, no _____ forests will remain.

- n.* a person who has never had sex; (adjective) being used or worked for the first time

185. He cannot _____ a holiday.

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

186. A 60-watt light bulb uses 60 _____ of energy per second.

- n.* the unit of measurement for energy in the International System of Units (SI), equal to the work done by a force of one newton when its point of application moves one meter in the direction of the force

187. Billionaires tend to _____ private funds on a public undertaking.

- v.* to use or spend time, money, energy, etc.

188. The bumbling _____ made it difficult to get the permits we needed.

- n.* a system of government in which most of the important decisions are made by state officials rather than by elected representatives

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

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

ANSWERS: 184. virgin, 185. afford, 186. joules, 187. expend, 188. bureaucracy, 189. economy