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Vocabulary Builder Reference from...

Dan Copley: What physics taught me about marketing | TED Talk

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

All Words

IMPORTANT

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Session 1: Word List

passion

n. intense, driving, or overpowering feeling or conviction
synonym : fervor, zeal, ardor

(1) **passion** hobby, (2) **passion** drive

Her **passion** for cooking is evident in every dish she prepares.

physics

n. the science of matter and energy and their interactions

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

He studied the **physics** of radiation.

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.

studied

adj. deliberately considered or scrutinized; carefully thought out or planned

synonym : thoughtful, deliberate, calculated

(1) **studied** analysis, (2) well- **studied** decision

His speech was carefully crafted and delivered with **studied** confidence.

- hop**
- v.* to jump lightly and quickly on one foot or both feet; to move rapidly from one place to another; to travel using an aircraft, bus, etc.
- synonym* : jump, bounce, skip
- (1) **hop** on one foot, (2) **hop** from one place to another
- The rabbit **hopped** over the fence.
- slightly**
- adv.* in a small degree or extent; a little
- synonym* : barely, narrowly, scarcely
- (1) increase **slightly**, (2) **slightly** alkaline soils
- He moved his body **slightly** to the left.
- disturb**
- v.* to interrupt someone who is trying to work, sleep, etc.
- synonym* : agitate, bother, intrude
- (1) **disturb** the peace, (2) **disturb** his sleep
- Tourists frequently **disturb** the island's delicate natural balance.
- Newtonian**
- adj.* relating to Sir Isaac Newton or his laws of motion and universal gravitation
- synonym* : classical, physics, mechanics
- (1) **Newtonian** physics, (2) **Newtonian** mechanics
- The motion of planets can be described using **Newtonian** mechanics.
- mass**
- n.* a large amount of a substance with no definite shape or form; a large number of people or things grouped or crowded together
- synonym* : abundance, crowd, mob
- (1) a **mass** of molten rock, (2) critical **mass**
- The **mass** of people who do not own property is politically impotent.
- acceleration**
- n.* a rate of increase in velocity; the rate of change of velocity with respect to time
- synonym* : speed up, quicken, hastening
- (1) a unit of **acceleration**, (2) **acceleration** of an object

The car's **acceleration** was impressive, going from 0 to 60 mph in just 5 seconds.

rearrange

v. to change the order or position of things already made; to change the time, date, or place of an event already planned

synonym: readjust, reorganize, reconstruct

(1) **rearrange** the furniture, (2) **rearrange** his schedule

Please **rearrange** these files as we start a new project tomorrow.

formula

n. a group of symbols, letters, or numbers that represent a rule, law, or mathematical statement

synonym: expression, recipe, procedure

(1) structural **formula**, (2) a binomial **formula**

The teacher told the students to memorize the math **formula**.

particle

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

synonym: atom, grain, bit

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

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

brand

n. a type of product, service, etc., made by a particular company and sold under a specific name; identification mark on the skin of livestock, criminals, etc., made by burning

synonym: trademark, label, symbol

(1) create a **brand** logo, (2) the **brand** of the new car

There's a new **brand** of hero in the movies now.

massive

adj. enormous amount; very heavy and solid

synonym: enormous, giant, immense

(1) **massive** amounts, (2) **massive** stars

The recent economic downturn has resulted in **massive** layoffs.

baggage

n. the personal belongings that a person carries with them, particularly when traveling; any emotional or psychological issues or problems that a person carries with them

synonym : luggage, suitcases, belongings

(1) emotional **baggage**, (2) **baggage** cart

I always pack light when traveling to avoid excessive **baggage** fees.

Arthurian

adj. relating to king Arthur and the tales and legends associated with him

(1) the **Arthurian** cycle, (2) **Arthurian** romances

The **Arthurian** legends of King Arthur and the knights of the Round Table are popular literary motifs.

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.

persuade

v. to convince or induce someone to do something by presenting a reason or argument; to sway or influence someone's decision or opinion

synonym : convince, influence, sway

(1) attempt to **persuade**, (2) **persuade** enough people

She tried to **persuade** her brother to join her on the trip, but he was too busy with work.

accountant

n. a person whose job is to keep financial records and accounts for a person or organization

synonym : bookkeeper, financial analyst, auditor

(1) audit by **accountant**, (2) **accountant** report

The associate **accountant** carefully reviewed the company's financial records.

vacuum

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

synonym : void, emptiness, gap

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

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

separate

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

synonym : disunite, isolate, ramify

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

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

dive

v. to jump into the water with your head and arms going in first, or to move down to a deeper level underwater

synonym : dip, leap, plunge

(1) **dive** into anime communities, (2) **dive** off a cliff

The sperm whale can **dive** to 1,000 meters.

giant

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

synonym : big, gigantic, huge

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

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

reposition

v. to move to a new or different position or location

synonym : relocate, move, shift

(1) **reposition** me in my bed, (2) **reposition** object

The company decided to **reposition** itself by changing its marketing strategy.

portfolio

n. a collection of work, documents, or other materials that demonstrate a person's skills, qualifications, or achievements; a collection of investments held by a person or organization

synonym : collection, file, folder

(1) investment **portfolio**, (2) **portfolio** manager

The artist's **portfolio** showcased various works, from paintings to sculptures.

venture

n. a business project or activity that is risky or daring
synonym: enterprise, undertaking, adventure

(1) **venture** capital, (2) a joint **venture**

The **venture** into the new market was risky, but it paid off.

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.

principle

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

synonym: rule, creed, code

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

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

definition

n. a concise explanation of the meaning of a word, phrase, or symbol

synonym: description, connotation, meaning

(1) a precise **definition**, (2) the **definition** of a word

Parallel lines are, by **definition**, lines on the same plane that never cross.

momentum

n. the force or power that is gained by a moving object; a strength or impetus gained through a process of development or activity

synonym: impetus, drive, thrust

(1) angular **momentum**, (2) **momentum** toward democracy

The team gained **momentum** after scoring their first goal.

elementary

adj. relating to the first principles or fundamental parts of a subject; fundamental or basic, often used to refer to a school or level of education that covers the fundamental

principles of various subjects

synonym: fundamental, basic, primary

(1) **elementary** math, (2) **elementary** level

Elementary school students must learn basic math and reading skills.

photon

n. a unit or quantum of electromagnetic energy, typically regarded as a particle that is the basic constituent of all light and other forms of electromagnetic radiation

synonym: particle, quantum, light

(1) **photon** emission, (2) **photon** energy

Infrared cameras detect **photons** in the infrared range of the electromagnetic spectrum.

measurement

n. the act or process of finding something's size, quantity, or degree

synonym: calculation, dimensions, size

(1) chest **measurement**, (2) a precise **measurement**

The **measurement** error of this industrial machine is less than one micrometer.

observation

n. the act or activity of carefully examining or monitoring something or someone

synonym: watching, notice, reflection

(1) class **observation** day, (2) **observation** instrument

In the hospital, she will remain under constant **observation**.

observe

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

synonym: watch, monitor, scrutinize

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

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

consume

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

synonym: absorb, ingest, use up

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

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

junk

n. discarded or unused material or objects, often considered worthless or of little value; also used to describe cheap or poorly made items or food that is high in calories but lacking in nutrition

synonym: trash, debris, waste

(1) **junk** mail, (2) hunk of **junk**

I need to clear out some of the **junk** in my garage.

accompany

v. to go somewhere or travel with someone or something

synonym: follow, escort, attend

(1) **accompany** a chicken dish, (2) **accompany** the book

Please let me know if you want to **accompany** me to my hometown.

trolley

n. a wheeled cart or platform used for transporting items or goods; (in British English) a device for collecting electrical power from an overhead line to power an electric vehicle; (in American English) a shopping cart used in supermarkets

synonym: cart, tram, tramcar

(1) **trolley** cart, (2) shopping **trolley**

The tourists enjoyed taking a ride on the historic **trolley** in the city.

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.

survey

n. an investigation of the opinions, behavior, etc. of a particular group of people, made by asking people questions

synonym : study, examination, poll

(1) a comprehensive **survey**, (2) recent **survey**

That **survey** shows that people are accepting the tax increase to some extent.

regularly

adv. at regular intervals or times

synonym : repeatedly, routinely, usually

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

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

pornography

n. materials such as films, photographs, or written descriptions that depict or describe sexual activity graphically or explicitly, often intended to be sexually arousing

synonym : obscenity, indecency, smut

(1) **pornography** addiction, (2) violent **pornography**

The rise of digital technology has made the sharing of **pornography** easier than ever before.

point-of-sale

n. the physical location or device where a sales transaction takes place, such as a cash register, electronic payment terminal, or online platform, where products or services are purchased from a retailer or merchant

synonym : checkout, cash register

(1) **point-of-sale** terminal, (2) **point-of-sale** transaction

The store installed a new **point-of-sale** software to streamline its checkout process.

digital

adj. processing or storing information as a succession of 1 and 0 to show that a signal is present or missing; relating to the use of computer technology, especially the internet

synonym : numerical, computerized, cyber

(1) a **digital** watch, (2) **digital** electronic signature

Sensors convert physical phenomena into **digital** signals.

consumption

n. the amount used or eaten; the act of using up a resource such as energy, food, or materials

synonym: usage, uptake, utilization

(1) average fuel **consumption**, (2) the **consumption** of food

In our country, water **consumption** usually decreases during the winter.

accurate

adj. correct and exact in all details

synonym: exact, precise, proper

(1) provide **accurate** information, (2) **accurate** measurements

The official transcript contains **accurate** academic records.

anticipate

v. to expect or predict that something will happen; to tell in advance

synonym: forecast, predict, expect

(1) **anticipate** your kind cooperation, (2) **anticipate** a black future

We **anticipate** heavy snowfall tomorrow.

axiom

n. a statement or principle that is regarded as being self-evidently true and does not require proof or justification; a fundamental truth upon which other truths or theories are based

synonym: principle, maxim, postulate

(1) self-evident **axiom**, (2) fundamental **axiom**

It is an **axiom** in mathematics that two parallel lines never intersect.

hypothesis

n. a proposed idea or explanation that is based on a few known facts but has not yet been proven to be true or accurate

synonym: assumption, conjecture, theory

(1) test my **hypothesis**, (2) a bold **hypothesis**

This evidence supports the big-bang **hypothesis**.

disprove

v. to show that something is not true or correct

synonym: refute, discredit, invalidate

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

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

strengthen

v. to become stronger or more effective; to make someone or something stronger or more effective

synonym: reinforce, harden, boost

(1) **strengthen** the immune system, (2) **strengthen** a border patrol

Difficulties **strengthen** the mind, as labor does the body.

conclusive

adj. serving to settle an issue or put an end to doubt or uncertainty; irrefutable and leaves no room for doubt

synonym: decisive, definitive, convincing

(1) **conclusive** information, (2) **conclusive** statement

The research provided **conclusive** evidence that the new treatment was effective.

contrary

n. acting in opposition to what is expected or desired

synonym: opposing, contradictory, conflicting

(1) the clear **contrary**, (2) **contrary** evidence

The two sides argued their points, but the judge ultimately sided with the **contrary** viewpoint.

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.

rotate

v. to turn around a central point or axis; to move in a circular path around something

synonym: turn, revolve, spin

(1) **rotate** crops, (2) **rotate** about the origin
The Earth **rotates** on its axis once every 24 hours.

robust

adj. sturdy and healthy in form, constitution, or construction; strong enough to withstand or overcome intellectual challenges or adversity

synonym: healthy, strong, booming

(1) **robust** growth, (2) a **robust** appetite
The experiment yielded **robust** results that support his theory.

parallel

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

synonym: aligned, side-by-side, similar

(1) a **parallel** case, (2) **parallel** processing
He walked a road **parallel** to the railroad.

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.

destroy

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

synonym: demolish, ruin, obliterate

(1) **destroy** the ecosystem, (2) **destroyed** evidence
The building was **destroyed** in the fire and had to be rebuilt.

pound

n. the standard unit of money in the UK; the standard unit of weight equal to 16 ounces

(1) three-fourths of a **pound**, (2) thousands of **pounds**
The car's front bumper cost fifteen hundred **pounds**.

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.

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**.

accident

n. an unfortunate event, especially one causing damage or injury

synonym: calamity, casualty, chance

(1) cause an **accident**, (2) injury in a car **accident**

The **accident** partially destroyed my vehicle.

revered

v. highly respected or admired, often because of moral or spiritual qualities

synonym: respected, admired, honored

(1) **revered** figure, (2) the most **revered** President

The **revered** teacher was loved by her students.

reliable

adj. worthy of being relied on; trustworthy

synonym: dependable, trustworthy, dedicated

(1) **reliable** access, (2) guarantee **reliable** delivery

Trains are **reliable**, inexpensive, and ideal for long-distance travel.

recall

v. to remember something

synonym: remember, retrieve, recollect

(1) **recall** the incident, (2) **recall** his name
She vividly **recalls** getting laid off several years ago.

incident

n. an event or occurrence, often unexpected or unplanned; something that happens

synonym: event, occurrence, accident

(1) traffic **incident**, (2) security **incident**

The **incident** at the airport caused a delay in my flight.

woods

n. a dense area of trees and shrubs, typically forming a forest or woodland; a place of natural beauty and tranquility; a golf club used for hitting long shots, also known as a driver

synonym: forest, woodland, timberland

(1) mystery **woods**, (2) deep **woods**

The **woods** behind the house are a great place to hike and explore.

ambassador

n. a diplomatic representative of a country who is sent to another country or international organization

synonym: envoy, diplomat, representative

(1) **ambassador** for football, (2) send an **ambassador** abroad

The **ambassador** of peace met with government officials to discuss bilateral relations.

undermine

v. to make someone or something less powerful, less effective, weaker gradually; to make someone's fame, confidence, or authority less effective or weaker gradually

synonym: damage, subvert, weaken

(1) **undermine** a good relationship, (2) **undermine** their adversary's reputation

They tried to **undermine** her position by slandering her.

screwup

n. a person or thing that causes a mistake or error; a disorderly or confused situation resulting from mistakes

or errors

synonym : blunder, mistake, error

(1) financial **screwup**, (2) career **screwup**

His latest **screwup** at work may cost him his job.

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.

entropy

n. a scientific concept that is most commonly associated with a state of disorder, randomness, or uncertainty

synonym : randomness

(1) **entropy** calculation, (2) **entropy** conservation

Since the second law of thermodynamics is applicable to the universe, the **entropy** of the universe continues to increase.

thermodynamics

n. the area of physics that deals with heat, work, and temperature and their relation to energy, entropy, and the physical properties of matter and radiation

(1) applied **thermodynamics**, (2) the laws of **thermodynamics**

The second law of **thermodynamics** denies the existence of a perpetual motion engine.

disorder

n. an untidy state or a lack of organization; a physical condition or illness that causes problems with how a section of the body or brain functions

synonym : chaos, disturbance, disease

(1) the files are in complete **disorder**, (2) people with bipolar **disorder**

The doctor prescribed some medicine for the mental **disorder**.

define

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

synonym :

characterize, depict, express

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

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

conservative

adj. holding traditional views and values and opposed to change or innovation

synonym: traditional, reactionary, cautious

(1) a **conservative** society, (2) **conservative** about production

He always makes a **conservative** estimation when predicting future sales.

elect

v. to choose someone for a specific position by voting for them; to decide or choose to do something

synonym: select, choose, prefer

(1) **elect** the school board, (2) **elect** death

Every five years, the provincial governors are **elected**.

poster

n. a large sheet or picture that is placed either on a public space to promote or announce something or on a wall to decorate it

synonym: banner, billboard, sign

(1) eye-catching **posters**, (2) a wanted **poster**

We noticed a **poster** advertising a bargain.

distribute

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

synonym: broadcast, disperse, hand out

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

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

disperse

v. to spread out or distribute over a broad region, or to cause something to do so

synonym: dissipate, spread, scatter

(1) **disperse** false information, (2) **disperse** the protesters

Before authorities **dispersed** the protesters, they yelled slogans.

chaotic

adj. without any order or organization; extremely disorganized, unpredictable, and confusing

synonym: disorderly, cluttered, topsy-turvy

(1) the **chaotic** economic situation, (2) **chaotic** theory
Change is also occurring in Turkey as a result of **chaotic** reform.

unsettle

v. to make somebody feel anxious or upset, especially because of an unstable or problematic situation

synonym: aggravate, annoy, disturb

(1) **unsettle** the nervous system, (2) **unsettle** his conviction
This nationwide strike may **unsettle** the country's economy.

democracy

n. a form of government in which the people have the authority to deliberate and decide legislation, or to choose governing officials to do so

synonym: self-government, republic, commonwealth

(1) **democracy** advocate, (2) principles of **democracy**
Democracy often entails inclusive capitalism as well.

ultimate

adj. furthest or highest in degree or order

synonym: highest, maximum, foremost

(1) the **ultimate** goal in life, (2) the **ultimate** luxury
Management must take **ultimate** responsibility for the accident.

fundamental

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

synonym: basic, essential, entire

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

embrace

v. to accept something willingly and enthusiastically;
(noun) the act of clasping another person in the arms as

in greeting or affection

synonym : grasp, hold tightly, accept

(1) **embrace** an opportunity, (2) a warm **embrace**

The woods **embrace** the house.

convinced

adj. completely certain about something; having a strong belief or conviction in a particular religion

synonym : confident, positive, indoctrinated

(1) **convinced** of the idea, (2) **convinced** criminal

The public is **convinced** that the prime minister has committed fraud.

Session 2: Spelling

- | | |
|--------------------------------|--|
| 1. con_____ve statement | <i>adj.</i> serving to settle an issue or put an end to doubt or uncertainty; irrefutable and leaves no room for doubt |
| 2. acc_____ion of an object | <i>n.</i> a rate of increase in velocity; the rate of change of velocity with respect to time |
| 3. co_____e electricity | <i>v.</i> to spend something, especially fuel, energy, or time, in a large amount |
| 4. critical m__s | <i>n.</i> a large amount of a substance with no definite shape or form; a large number of people or things grouped or crowded together |
| 5. the most re_____d President | <i>v.</i> highly respected or admired, often because of moral or spiritual qualities |
| 6. Ne_____an physics | <i>adj.</i> relating to Sir Isaac Newton or his laws of motion and universal gravitation |
| 7. a precise def_____on | <i>n.</i> a concise explanation of the meaning of a word, phrase, or symbol |
| 8. co_____ce an opponent | <i>v.</i> to persuade someone or make someone believe that something is true |
| 9. de_____yed evidence | <i>v.</i> to ruin or damage severely or completely; to eradicate or eliminate completely |
| 10. save the pl____t | <i>n.</i> any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star |

ANSWERS: 1. conclusive, 2. acceleration, 3. consume, 4. mass, 5. revered, 6. Newtonian, 7. definition, 8. convince, 9. destroy, 10. planet

- | | |
|----------------------------------|---|
| 11. provide ac____te information | <i>adj.</i> correct and exact in all details |
| 12. ant_____te a black future | <i>v.</i> to expect or predict that something will happen; to tell in advance |
| 13. con_____ve information | <i>adj.</i> serving to settle an issue or put an end to doubt or uncertainty; irrefutable and leaves no room for doubt |
| 14. a joint ve_____e | <i>n.</i> a business project or activity that is risky or daring |
| 15. ba_____e cart | <i>n.</i> the personal belongings that a person carries with them, particularly when traveling; any emotional or psychological issues or problems that a person carries with them |
| 16. st_____d analysis | <i>adj.</i> deliberately considered or scrutinized; carefully thought out or planned |
| 17. a di_____l watch | <i>adj.</i> processing or storing information as a succession of 1 and 0 to show that a signal is present or missing; relating to the use of computer technology, especially the internet |
| 18. a pa_____el case | <i>adj.</i> being everywhere equidistant and not intersecting; of or relating to the simultaneous performance of multiple operations |
| 19. co_____ed criminal | <i>adj.</i> completely certain about something; having a strong belief or conviction in a particular religion |
| 20. acc_____nt report | <i>n.</i> a person whose job is to keep financial records and accounts for a person or organization |

ANSWERS: 11. accurate, 12. anticipate, 13. conclusive, 14. venture, 15. baggage, 16. studied, 17. digital, 18. parallel, 19. convinced, 20. accountant

21. the clear co____ry *n.* acting in opposition to what is expected or desired
22. three-fourths of a po__d *n.* the standard unit of money in the UK; the standard unit of weight equal to 16 ounces
23. po_____io manager *n.* a collection of work, documents, or other materials that demonstrate a person's skills, qualifications, or achievements; a collection of investments held by a person or organization
24. charged pa_____le *n.* a small piece of something; a word or piece of a term with grammatical function but little or no significance
25. the br__d of the new car *n.* a type of product, service, etc., made by a particular company and sold under a specific name; identification mark on the skin of livestock, criminals, etc., made by burning
26. create a br__d logo *n.* a type of product, service, etc., made by a particular company and sold under a specific name; identification mark on the skin of livestock, criminals, etc., made by burning
27. ob_____e a tradition *v.* to watch or notice something carefully, often to gather information or insights; to take note of something or someone; to celebrate or commemorate a special event or occasion
28. a warm em_____e *v.* to accept something willingly and enthusiastically; (noun) the act of clasping another person in the arms as in greeting or affection

ANSWERS: 21. contrary, 22. pound, 23. portfolio, 24. particle, 25. brand, 26. brand, 27. observe, 28. embrace

29. tr____y cart *n.* a wheeled cart or platform used for transporting items or goods; (in British English) a device for collecting electrical power from an overhead line to power an electric vehicle; (in American English) a shopping cart used in supermarkets
30. a ro____t appetite *adj.* sturdy and healthy in form, constitution, or construction; strong enough to withstand or overcome intellectual challenges or adversity
31. injury in a car ac____nt *n.* an unfortunate event, especially one causing damage or injury
32. ant____te your kind cooperation *v.* to expect or predict that something will happen; to tell in advance
33. a con____ive society *adj.* holding traditional views and values and opposed to change or innovation
34. applied the____ics *n.* the area of physics that deals with heat, work, and temperature and their relation to energy, entropy, and the physical properties of matter and radiation
35. well-st____d decision *adj.* deliberately considered or scrutinized; carefully thought out or planned
36. un____le the nervous system *v.* to make somebody feel anxious or upset, especially because of an unstable or problematic situation
37. attempt to pe____de *v.* to convince or induce someone to do something by presenting a reason or argument; to sway or influence someone's decision or opinion

ANSWERS: 29. trolley, 30. robust, 31. accident, 32. anticipate, 33. conservative, 34. thermodynamics, 35. studied, 36. unsettle, 37. persuade

38. un_____ne their adversary's reputation
v. to make someone or something less powerful, less effective, weaker gradually; to make someone's fame, confidence, or authority less effective or weaker gradually
39. test my hyp_____is
n. a proposed idea or explanation that is based on a few known facts but has not yet been proven to be true or accurate
40. di_____l electronic signature
adj. processing or storing information as a succession of 1 and 0 to show that a signal is present or missing; relating to the use of computer technology, especially the internet
41. emotional ba_____e
n. the personal belongings that a person carries with them, particularly when traveling; any emotional or psychological issues or problems that a person carries with them
42. 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
43. 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
44. take an un_____in attitude
adj. not being sure of something; not being able to choose

ANSWERS: 38. undermine, 39. hypothesis, 40. digital, 41. baggage, 42. claim, 43. launch, 44. uncertain

45. co____ry evidence *n.* acting in opposition to what is expected or desired
46. re_____ge his schedule *v.* to change the order or position of things already made; to change the time, date, or place of an event already planned
47. ob____e artist *adj.* not well known to many people
48. in___t in stocks *v.* to put money, effort, time, etc. into something to make a profit or achieve a result
49. career sc_____p *n.* a person or thing that causes a mistake or error; a disorderly or confused situation resulting from mistakes or errors
50. de_____cy advocate *n.* a form of government in which the people have the authority to deliberate and decide legislation, or to choose governing officials to do so
51. co_____ed of the idea *adj.* completely certain about something; having a strong belief or conviction in a particular religion
52. ch____c theory *adj.* without any order or organization; extremely disorganized, unpredictable, and confusing
53. ele_____ry math *adj.* relating to the first principles or fundamental parts of a subject; fundamental or basic, often used to refer to a school or level of education that covers the fundamental principles of various subjects

ANSWERS: 45. contrary, 46. rearrange, 47. obscure, 48. invest, 49. screwup, 50. democracy, 51. convinced, 52. chaotic, 53. elementary

54. financial sc____p *n.* a person or thing that causes a mistake or error; a disorderly or confused situation resulting from mistakes or errors
55. 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
56. the laws of the _____ics *n.* the area of physics that deals with heat, work, and temperature and their relation to energy, entropy, and the physical properties of matter and radiation
57. mystery wo__s *n.* a dense area of trees and shrubs, typically forming a forest or woodland; a place of natural beauty and tranquility; a golf club used for hitting long shots, also known as a driver
58. self-evident ax__m *n.* a statement or principle that is regarded as being self-evidently true and does not require proof or justification; a fundamental truth upon which other truths or theories are based
59. pr_____le in business *n.* a fundamental law or truth that explains or controls how something happens or works
60. obs_____on instrument *n.* the act or activity of carefully examining or monitoring something or someone
61. ac_____ny a chicken dish *v.* to go somewhere or travel with someone or something

ANSWERS: 54. screwup, 55. launch, 56. thermodynamics, 57. woods, 58. axiom, 59. principle, 60. observation, 61. accompany

62. el__t death *v.* to choose someone for a specific position by voting for them; to decide or choose to do something
63. sl____ly alkaline soils *adv.* in a small degree or extent; a little
64. a unit of acc_____ion *n.* a rate of increase in velocity; the rate of change of velocity with respect to time
65. j__k mail *n.* discarded or unused material or objects, often considered worthless or of little value; also used to describe cheap or poorly made items or food that is high in calories but lacking in nutrition
66. ob_____e answer *adj.* not well known to many people
67. pa_____le energy *n.* a small piece of something; a word or piece of a term with grammatical function but little or no significance
68. numerous un_____in factors *adj.* not being sure of something; not being able to choose
69. structural fo_____a *n.* a group of symbols, letters, or numbers that represent a rule, law, or mathematical statement
70. cause an ac_____nt *n.* an unfortunate event, especially one causing damage or injury
71. in___t capital *v.* to put money, effort, time, etc. into something to make a profit or achieve a result
72. d__e off a cliff *v.* to jump into the water with your head and arms going in first, or to move down to a deeper level underwater

ANSWERS: 62. elect, 63. slightly, 64. acceleration, 65. junk, 66. obscure, 67. particle, 68. uncertain, 69. formula, 70. accident, 71. invest, 72. dive

73. chaotic env_____nt *n.* the natural world such as air, water, and land in which humans, animals, and plants live
74. re_____d figure *v.* highly respected or admired, often because of moral or spiritual qualities
75. di_____b the peace *v.* to interrupt someone who is trying to work, sleep, etc.
76. recent su____y *n.* an investigation of the opinions, behavior, etc. of a particular group of people, made by asking people questions
77. di_____ve global warming *v.* to show that something is not true or correct
78. 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
79. re_____ge the furniture *v.* to change the order or position of things already made; to change the time, date, or place of an event already planned
80. con_____ive about production *adj.* holding traditional views and values and opposed to change or innovation
81. re____l his name *v.* to remember something
82. en_____y calculation *n.* a scientific concept that is most commonly associated with a state of disorder, randomness, or uncertainty
83. ve_____e capital *n.* a business project or activity that is risky or daring

ANSWERS: 73. environment, 74. revered, 75. disturb, 76. survey, 77. disprove, 78. credential, 79. rearrange, 80. conservative, 81. recall, 82. entropy, 83. venture

84. co____ce her to go with us *v.* to persuade someone or make someone believe that something is true
85. increase sl____ly *adv.* in a small degree or extent; a little
86. co____e a large of alcohol *v.* to spend something, especially fuel, energy, or time, in a large amount
87. ob____e wildlife *v.* to watch or notice something carefully, often to gather information or insights; to take note of something or someone; to celebrate or commemorate a special event or occasion
88. str____en the immune system *v.* to become stronger or more effective; to make someone or something stronger or more effective
89. va___m cleaner *n.* a space empty of matter; a device or tool used for cleaning or removing debris by creating suction
90. va___m packing *n.* a space empty of matter; a device or tool used for cleaning or removing debris by creating suction
91. poi______ale terminal *n.* the physical location or device where a sales transaction takes place, such as a cash register, electronic payment terminal, or online platform, where products or services are purchased from a retailer or merchant
92. hunk of j__k *n.* discarded or unused material or objects, often considered worthless or of little value; also used to describe cheap or poorly made items or food that is high in calories but lacking in nutrition

ANSWERS: 84. convince, 85. slightly, 86. consume, 87. observe, 88. strengthen, 89. vacuum, 90. vacuum, 91. point-of-sale, 92. junk

93. ph___n emission *n.* a unit or quantum of electromagnetic energy, typically regarded as a particle that is the basic constituent of all light and other forms of electromagnetic radiation
94. de___e my position *v.* to state or explain precisely the nature, scope, or meaning of something
95. fundamental ax___m *n.* a statement or principle that is regarded as being self-evidently true and does not require proof or justification; a fundamental truth upon which other truths or theories are based
96. di_____se the protesters *v.* to spread out or distribute over a broad region, or to cause something to do so
97. guarantee re_____le delivery *adj.* worthy of being relied on; trustworthy
98. a m___s of molten rock *n.* a large amount of a substance with no definite shape or form; a large number of people or things grouped or crowded together
99. h_p from one place to another *v.* to jump lightly and quickly on one foot or both feet; to move rapidly from one place to another; to travel using an aircraft, bus, etc.
100. class obs_____on day *n.* the act or activity of carefully examining or monitoring something or someone
101. a binomial fo_____a *n.* a group of symbols, letters, or numbers that represent a rule, law, or mathematical statement
102. angular mo_____um *n.* the force or power that is gained by a moving object; a strength or impetus gained through a process of development or activity

ANSWERS: 93. photon, 94. define, 95. axiom, 96. disperse, 97. reliable, 98. mass, 99. hop, 100. observation, 101. formula, 102. momentum

103. poi_____ale transaction *n.* the physical location or device where a sales transaction takes place, such as a cash register, electronic payment terminal, or online platform, where products or services are purchased from a retailer or merchant
104. di_____ve the conjecture *v.* to show that something is not true or correct
105. dis_____te video content *v.* to give something to a large number of individuals, or to spread or furnish something
106. pa_____el processing *adj.* being everywhere equidistant and not intersecting; of or relating to the simultaneous performance of multiple operations
107. post re_____ly to a blog *adv.* at regular intervals or times
108. chest mea_____nt *n.* the act or process of finding something's size, quantity, or degree
109. re____l the incident *v.* to remember something
110. d__e into anime communities *v.* to jump into the water with your head and arms going in first, or to move down to a deeper level underwater
111. the Ar_____an cycle *adj.* relating to king Arthur and the tales and legends associated with him
112. investment po_____io *n.* a collection of work, documents, or other materials that demonstrate a person's skills, qualifications, or achievements; a collection of investments held by a person or organization

ANSWERS: 103. point-of-sale, 104. disprove, 105. distribute, 106. parallel, 107. regularly, 108. measurement, 109. recall, 110. dive, 111. Arthurian, 112. portfolio

113. rep_____on object *v.* to move to a new or different position or location
114. nuclear ph_____s *n.* the science of matter and energy and their interactions
115. rep_____on me in my bed *v.* to move to a new or different position or location
116. audit by acc_____nt *n.* a person whose job is to keep financial records and accounts for a person or organization
117. a precise mea_____nt *n.* the act or process of finding something's size, quantity, or degree
118. pa_____n drive *n.* intense, driving, or overpowering feeling or conviction
119. em_____e an opportunity *v.* to accept something willingly and enthusiastically; (noun) the act of clasping another person in the arms as in greeting or affection
120. ac_____ny the book *v.* to go somewhere or travel with someone or something
121. re_____le access *adj.* worthy of being relied on; trustworthy
122. traffic in_____nt *n.* an event or occurrence, often unexpected or unplanned; something that happens
123. gi__t trees *adj.* enormous; much bigger or more important than similar items usually are
124. di_____b his sleep *v.* to interrupt someone who is trying to work, sleep, etc.
125. ma_____e amounts *adj.* enormous amount; very heavy and solid

ANSWERS: 113. reposition, 114. physics, 115. reposition, 116. accountant, 117. measurement, 118. passion, 119. embrace, 120. accompany, 121. reliable, 122. incident, 123. giant, 124. disturb, 125. massive

126. 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
127. thousands of po__ds *n.* the standard unit of money in the UK; the standard unit of weight equal to 16 ounces
128. the ul____te goal in life *adj.* furthest or highest in degree or order
129. ro___e about the origin *v.* to turn around a central point or axis; to move in a circular path around something
130. send an amb_____or abroad *n.* a diplomatic representative of a country who is sent to another country or international organization
131. a comprehensive su___y *n.* an investigation of the opinions, behavior, etc. of a particular group of people, made by asking people questions
132. mo_____um toward democracy *n.* the force or power that is gained by a moving object; a strength or impetus gained through a process of development or activity
133. 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
134. the ch_____c economic situation *adj.* without any order or organization; extremely disorganized, unpredictable, and confusing

ANSWERS: 126. planet, 127. pound, 128. ultimate, 129. rotate, 130. ambassador, 131. survey, 132. momentum, 133. credential, 134. chaotic

135. eye-catching po___rs *n.* a large sheet or picture that is placed either on a public space to promote or announce something or on a wall to decorate it
136. env_____nt affairs *n.* the natural world such as air, water, and land in which humans, animals, and plants live
137. the ul_____te luxury *adj.* furthest or highest in degree or order
138. laws of ph_____s *n.* the science of matter and energy and their interactions
139. ph___n energy *n.* a unit or quantum of electromagnetic energy, typically regarded as a particle that is the basic constituent of all light and other forms of electromagnetic radiation
140. re_____ly arranged *adv.* at regular intervals or times
141. se_____te cream from milk *v.* to force, take, or pull apart; mark as different
142. violent por_____hy *n.* materials such as films, photographs, or written descriptions that depict or describe sexual activity graphically or explicitly, often intended to be sexually arousing
143. pe_____de enough people *v.* to convince or induce someone to do something by presenting a reason or argument; to sway or influence someone's decision or opinion
144. de_____y the ecosystem *v.* to ruin or damage severely or completely; to eradicate or eliminate completely

ANSWERS: 135. poster, 136. environment, 137. ultimate, 138. physics, 139. photon, 140. regularly, 141. separate, 142. pornography, 143. persuade, 144. destroy

145. Ar_____an romances *adj.* relating to king Arthur and the tales and legends associated with him
146. di_____se false information *v.* to spread out or distribute over a broad region, or to cause something to do so
147. the con_____on of food *n.* the amount used or eaten; the act of using up a resource such as energy, food, or materials
148. ma_____e stars *adj.* enormous amount; very heavy and solid
149. ro____e crops *v.* to turn around a central point or axis; to move in a circular path around something
150. gi__t tech company *adj.* enormous; much bigger or more important than similar items usually are
151. amb_____or for football *n.* a diplomatic representative of a country who is sent to another country or international organization
152. a bold hyp_____is *n.* a proposed idea or explanation that is based on a few known facts but has not yet been proven to be true or accurate
153. ro____t growth *adj.* sturdy and healthy in form, constitution, or construction; strong enough to withstand or overcome intellectual challenges or adversity
154. average fuel con_____on *n.* the amount used or eaten; the act of using up a resource such as energy, food, or materials
155. dis_____te wealth evenly *v.* to give something to a large number of individuals, or to spread or furnish something

ANSWERS: 145. Arthurian, 146. disperse, 147. consumption, 148. massive, 149. rotate, 150. giant, 151. ambassador, 152. hypothesis, 153. robust, 154. consumption, 155. distribute

156. a wanted po___r *n.* a large sheet or picture that is placed either on a public space to promote or announce something or on a wall to decorate it
157. str_____en a border patrol *v.* to become stronger or more effective; to make someone or something stronger or more effective
158. fun_____al education *adj.* forming an essential base or core from which everything else develops or is affected
159. fun_____al rights *adj.* forming an essential base or core from which everything else develops or is affected
160. deep wo__s *n.* a dense area of trees and shrubs, typically forming a forest or woodland; a place of natural beauty and tranquility; a golf club used for hitting long shots, also known as a driver
161. pr_____le of treatment *n.* a fundamental law or truth that explains or controls how something happens or works
162. se_____te video into chapter *v.* to force, take, or pull apart; mark as different
163. the def_____on of a word *n.* a concise explanation of the meaning of a word, phrase, or symbol
164. h_p on one foot *v.* to jump lightly and quickly on one foot or both feet; to move rapidly from one place to another; to travel using an aircraft, bus, etc.

ANSWERS: 156. poster, 157. strengthen, 158. fundamental, 159. fundamental, 160. woods, 161. principle, 162. separate, 163. definition, 164. hop

165. de___e a word *v.* to state or explain precisely the nature, scope, or meaning of something
166. Ne_____an mechanics *adj.* relating to Sir Isaac Newton or his laws of motion and universal gravitation
167. the files are in complete di_____er *n.* an untidy state or a lack of organization; a physical condition or illness that causes problems with how a section of the body or brain functions
168. security in_____nt *n.* an event or occurrence, often unexpected or unplanned; something that happens
169. 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
170. en_____y conservation *n.* a scientific concept that is most commonly associated with a state of disorder, randomness, or uncertainty
171. people with bipolar di_____er *n.* an untidy state or a lack of organization; a physical condition or illness that causes problems with how a section of the body or brain functions
172. shopping tr_____y *n.* a wheeled cart or platform used for transporting items or goods; (in British English) a device for collecting electrical power from an overhead line to power an electric vehicle; (in American English) a shopping cart used in supermarkets

ANSWERS: 165. define, 166. Newtonian, 167. disorder, 168. incident, 169. claim, 170. entropy, 171. disorder, 172. trolley

173. ele_____ry level *adj.* relating to the first principles or fundamental parts of a subject; fundamental or basic, often used to refer to a school or level of education that covers the fundamental principles of various subjects
174. por_____hy addiction *n.* materials such as films, photographs, or written descriptions that depict or describe sexual activity graphically or explicitly, often intended to be sexually arousing
175. pa_____n hobby *n.* intense, driving, or overpowering feeling or conviction
176. un_____ne a good relationship *v.* to make someone or something less powerful, less effective, weaker gradually; to make someone's fame, confidence, or authority less effective or weaker gradually
177. el__t the school board *v.* to choose someone for a specific position by voting for them; to decide or choose to do something
178. principles of de_____cy *n.* a form of government in which the people have the authority to deliberate and decide legislation, or to choose governing officials to do so
179. un_____le his conviction *v.* to make somebody feel anxious or upset, especially because of an unstable or problematic situation
180. ac_____te measurements *adj.* correct and exact in all details

ANSWERS: 173. elementary, 174. pornography, 175. passion, 176. undermine, 177. elect, 178. democracy, 179. unsettle, 180. accurate

ANSWERS:

Session 3: Fill in the Blanks

1. The _____ of peace met with government officials to discuss bilateral relations.
 - n.* a diplomatic representative of a country who is sent to another country or international organization

2. The _____ at the airport caused a delay in my flight.
 - n.* an event or occurrence, often unexpected or unplanned; something that happens

3. Every five years, the provincial governors are _____.
 - v.* to choose someone for a specific position by voting for them; to decide or choose to do something

4. The motion of planets can be described using _____ mechanics.
 - adj.* relating to Sir Isaac Newton or his laws of motion and universal gravitation

5. 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

6. Her _____ for cooking is evident in every dish she prepares.
 - n.* intense, driving, or overpowering feeling or conviction

7. He always makes a _____ estimation when predicting future sales.
 - adj.* holding traditional views and values and opposed to change or innovation

ANSWERS: 1. ambassador, 2. incident, 3. elected, 4. Newtonian, 5. invest, 6. passion, 7. conservative

8. The tourists enjoyed taking a ride on the historic _____ in the city.
- n.* a wheeled cart or platform used for transporting items or goods; (in British English) a device for collecting electrical power from an overhead line to power an electric vehicle; (in American English) a shopping cart used in supermarkets
9. The official transcript contains _____ academic records.
- adj.* correct and exact in all details
10. The experiment yielded _____ results that support his theory.
- adj.* sturdy and healthy in form, constitution, or construction; strong enough to withstand or overcome intellectual challenges or adversity
11. The artist's _____ showcased various works, from paintings to sculptures.
- n.* a collection of work, documents, or other materials that demonstrate a person's skills, qualifications, or achievements; a collection of investments held by a person or organization
12. A smaller car will _____ less fuel.
- v.* to spend something, especially fuel, energy, or time, in a large amount
13. He studied the _____ of radiation.
- n.* the science of matter and energy and their interactions
14. His estate was _____ to his sons.
- v.* to give something to a large number of individuals, or to spread or furnish something
15. We _____ heavy snowfall tomorrow.
- v.* to expect or predict that something will happen; to tell in advance

ANSWERS: 8. trolley, 9. accurate, 10. robust, 11. portfolio, 12. consume, 13. physics, 14. distributed, 15. anticipate

16. The sperm whale can _____ to 1,000 meters.

- v.* to jump into the water with your head and arms going in first, or to move down to a deeper level underwater

17. Parallel lines are, by _____ lines on the same plane that never cross.

- n.* a concise explanation of the meaning of a word, phrase, or symbol

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

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

19. The _____ partially destroyed my vehicle.

- n.* an unfortunate event, especially one causing damage or injury

20. He moved his body _____ to the left.

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

21. There's a new _____ of hero in the movies now.

- n.* a type of product, service, etc., made by a particular company and sold under a specific name; identification mark on the skin of livestock, criminals, etc., made by burning

22. Management must take _____ responsibility for the accident.

- adj.* furthest or highest in degree or order

23. His speech was carefully crafted and delivered with _____ confidence.

- adj.* deliberately considered or scrutinized; carefully thought out or planned

24. The company decided to _____ itself by changing its marketing strategy.

- v.* to move to a new or different position or location

ANSWERS: 16. dive, 17. definition, 18. separate, 19. accident, 20. slightly, 21. brand, 22. ultimate, 23. studied, 24. reposition

25. The associate _____ carefully reviewed the company's financial records.
n. a person whose job is to keep financial records and accounts for a person or organization
26. The building was _____ in the fire and had to be rebuilt.
v. to ruin or damage severely or completely; to eradicate or eliminate completely
27. 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
28. Tourists frequently _____ the island's delicate natural balance.
v. to interrupt someone who is trying to work, sleep, etc.
29. In our country, water _____ usually decreases during the winter.
n. the amount used or eaten; the act of using up a resource such as energy, food, or materials
30. I always pack light when traveling to avoid excessive _____ fees.
n. the personal belongings that a person carries with them, particularly when traveling; any emotional or psychological issues or problems that a person carries with them
31. The rabbit _____ over the fence.
v. to jump lightly and quickly on one foot or both feet; to move rapidly from one place to another; to travel using an aircraft, bus, etc.
32. She was _____ about her friend's intentions.
adj. not being sure of something; not being able to choose

ANSWERS: 25. accountant, 26. destroyed, 27. credential, 28. disturb, 29. consumption, 30. baggage, 31. hopped, 32. uncertain

33. That _____ shows that people are accepting the tax increase to some extent.
- n.* an investigation of the opinions, behavior, etc. of a particular group of people, made by asking people questions
34. 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
35. The two sides argued their points, but the judge ultimately sided with the _____ viewpoint.
- n.* acting in opposition to what is expected or desired
36. The team gained _____ after scoring their first goal.
- n.* the force or power that is gained by a moving object; a strength or impetus gained through a process of development or activity
37. The Earth _____ on its axis once every 24 hours.
- v.* to turn around a central point or axis; to move in a circular path around something
38. The second law of _____ denies the existence of a perpetual motion engine.
- n.* the area of physics that deals with heat, work, and temperature and their relation to energy, entropy, and the physical properties of matter and radiation
39. It is an _____ in mathematics that two parallel lines never intersect.
- n.* a statement or principle that is regarded as being self-evidently true and does not require proof or justification; a fundamental truth upon which other truths or theories are based

ANSWERS: 33. survey, 34. planet, 35. contrary, 36. momentum, 37. rotates, 38. thermodynamics, 39. axiom

40. _____ often entails inclusive capitalism as well.
n. a form of government in which the people have the authority to deliberate and decide legislation, or to choose governing officials to do so
41. Before authorities _____ the protesters, they yelled slogans.
v. to spread out or distribute over a broad region, or to cause something to do so
42. The rise of digital technology has made the sharing of _____ easier than ever before.
n. materials such as films, photographs, or written descriptions that depict or describe sexual activity graphically or explicitly, often intended to be sexually arousing
43. The public is _____ that the prime minister has committed fraud.
adj. completely certain about something; having a strong belief or conviction in a particular religion
44. They tried to _____ her position by slandering her.
v. to make someone or something less powerful, less effective, weaker gradually; to make someone's fame, confidence, or authority less effective or weaker gradually
45. Please let me know if you want to _____ me to my hometown.
v. to go somewhere or travel with someone or something
46. The _____ error of this industrial machine is less than one micrometer.
n. the act or process of finding something's size, quantity, or degree
47. Since the second law of thermodynamics is applicable to the universe, the _____ of the universe continues to increase.
n. a scientific concept that is most commonly associated with a state of disorder, randomness, or uncertainty

ANSWERS: 40. Democracy, 41. dispersed, 42. pornography, 43. convinced, 44. undermine, 45. accompany, 46. measurement, 47. entropy

48. His latest _____ at work may cost him his job.

- n.* a person or thing that causes a mistake or error; a disorderly or confused situation resulting from mistakes or errors

49. Human behavior has _____ characteristics.

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

50. The store installed a new _____ software to streamline its checkout process.

- n.* the physical location or device where a sales transaction takes place, such as a cash register, electronic payment terminal, or online platform, where products or services are purchased from a retailer or merchant

51. The _____ behind the house are a great place to hike and explore.

- n.* a dense area of trees and shrubs, typically forming a forest or woodland; a place of natural beauty and tranquility; a golf club used for hitting long shots, also known as a driver

52. 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

53. The woods _____ the house.

- v.* to accept something willingly and enthusiastically; (noun) the act of clasping another person in the arms as in greeting or affection

54. The _____ into the new market was risky, but it paid off.

- n.* a business project or activity that is risky or daring

ANSWERS: 48. screwup, 49. fundamental, 50. point-of-sale, 51. woods, 52. claim, 53. embrace, 54. venture

55. Please use the _____ to clean up the mess on the floor.
n. a space empty of matter; a device or tool used for cleaning or removing debris by creating suction
56. The teacher told the students to memorize the math _____.
n. a group of symbols, letters, or numbers that represent a rule, law, or mathematical statement
57. _____ school students must learn basic math and reading skills.
adj. relating to the first principles or fundamental parts of a subject; fundamental or basic, often used to refer to a school or level of education that covers the fundamental principles of various subjects
58. She vividly _____ getting laid off several years ago.
v. to remember something
59. To advance this discussion, we must _____ "success" rigorously.
v. to state or explain precisely the nature, scope, or meaning of something
60. The researchers were unable to _____ the theory.
v. to show that something is not true or correct
61. Trains are _____ inexpensive, and ideal for long-distance travel.
adj. worthy of being relied on; trustworthy
62. The _____ teacher was loved by her students.
v. highly respected or admired, often because of moral or spiritual qualities
63. In the hospital, she will remain under constant _____.
n. the act or activity of carefully examining or monitoring something or someone

ANSWERS: 55. vacuum, 56. formula, 57. Elementary, 58. recalls, 59. define, 60. disprove, 61. reliable, 62. revered, 63. observation

64. We can calculate the position of the _____ statistically.
- n.* a small piece of something; a word or piece of a term with grammatical function but little or no significance
65. The _____ jets gradually dominate the world's airlines.
- adj.* enormous; much bigger or more important than similar items usually are
66. 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
67. This evidence supports the big-bang _____.
- n.* a proposed idea or explanation that is based on a few known facts but has not yet been proven to be true or accurate
68. This information was primarily _____ in the first release.
- adj.* not well known to many people
69. The _____ legends of King Arthur and the knights of the Round Table are popular literary motifs.
- adj.* relating to king Arthur and the tales and legends associated with him
70. I am considering what I should do to _____ him.
- v.* to persuade someone or make someone believe that something is true
71. It is important to _____ safety procedures in the workplace to prevent accidents.
- v.* to watch or notice something carefully, often to gather information or insights; to take note of something or someone; to celebrate or commemorate a special event or occasion

ANSWERS: 64. particles, 65. giant, 66. launch, 67. hypothesis, 68. obscured, 69. Arthurian, 70. convince, 71. observe

72. This site _____ shares high-quality academic materials.

adv. at regular intervals or times

73. Efficiency isn't an essential _____ here; fairness is.

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

74. He walked a road _____ to the railroad.

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

75. The recent economic downturn has resulted in _____ layoffs.

adj. enormous amount; very heavy and solid

76. The car's front bumper cost fifteen hundred _____.

n. the standard unit of money in the UK; the standard unit of weight equal to 16 ounces

77. She tried to _____ her brother to join her on the trip, but he was too busy with work.

v. to convince or induce someone to do something by presenting a reason or argument; to sway or influence someone's decision or opinion

78. Sensors convert physical phenomena into _____ signals.

adj. processing or storing information as a succession of 1 and 0 to show that a signal is present or missing; relating to the use of computer technology, especially the internet

79. Difficulties _____ the mind, as labor does the body.

v. to become stronger or more effective; to make someone or something stronger or more effective

ANSWERS: 72. regularly, 73. principle, 74. parallel, 75. massive, 76. pounds, 77. persuade, 78. digital, 79. strengthen

80. We noticed a _____ advertising a bargain.

- n.* a large sheet or picture that is placed either on a public space to promote or announce something or on a wall to decorate it

81. Please _____ these files as we start a new project tomorrow.

- v.* to change the order or position of things already made; to change the time, date, or place of an event already planned

82. 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

83. Infrared cameras detect _____ in the infrared range of the electromagnetic spectrum.

- n.* a unit or quantum of electromagnetic energy, typically regarded as a particle that is the basic constituent of all light and other forms of electromagnetic radiation

84. The _____ of people who do not own property is politically impotent.

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

85. I need to clear out some of the _____ in my garage.

- n.* discarded or unused material or objects, often considered worthless or of little value; also used to describe cheap or poorly made items or food that is high in calories but lacking in nutrition

86. The research provided _____ evidence that the new treatment was effective.

- adj.* serving to settle an issue or put an end to doubt or uncertainty; irrefutable and leaves no room for doubt

ANSWERS: 80. poster, 81. rearrange, 82. environment, 83. photons, 84. mass, 85. junk, 86. conclusive

87. The doctor prescribed some medicine for the mental _____.
- n.* an untidy state or a lack of organization; a physical condition or illness that causes problems with how a section of the body or brain functions
88. This nationwide strike may _____ the country's economy.
- v.* to make somebody feel anxious or upset, especially because of an unstable or problematic situation
89. The car's _____ was impressive, going from 0 to 60 mph in just 5 seconds.
- n.* a rate of increase in velocity; the rate of change of velocity with respect to time
90. Change is also occurring in Turkey as a result of _____ reform.
- adj.* without any order or organization; extremely disorganized, unpredictable, and confusing

ANSWERS: 87. disorder, 88. unsettle, 89. acceleration, 90. chaotic