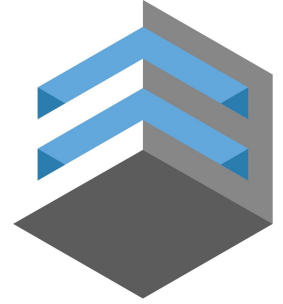


Englist.me



Vocabulary Builder Reference from...

David Deutsch: After billions of years of monotony,
the universe is waking up | TED Talk

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

All Words

IMPORTANT

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Session 1: Word List

thrill

n. a feeling of extreme and sudden excitement and pleasure; to cause someone to feel sudden intense sensation or emotion

synonym: exhilaration, delight, rush

(1) the **thrill** of speed, (2) incredible **thrill**

Skydiving is an overwhelming **thrill** for many people.

technological

adj. based on scientific and industrial progress

synonym: specialized, technical

(1) **technological** advancement, (2) **technological** policy

Technological advances have disrupted many industries.

overwhelming

adj. very great or intense; so powerful that you cannot fight or react against it

synonym: overpowering, astounding, amazing

(1) **overwhelming** majority, (2) an **overwhelming** victory

He has shown signs of uneasiness and **overwhelming** worry.

incomprehensible

adj. impossible to understand or explain; not able to be grasped or comprehended

synonym: unintelligible, unfathomable, inexplicable

(1) **incomprehensible** jargon, (2) **incomprehensible** math problem

The mathematical formula was **incomprehensible** to most of the students.

unbelievable

adj. beyond belief or understanding and extremely surprising
synonym: unimaginable, incredible, fantastical

(1) **unbelievable** beauty, (2) cause **unbelievable** damage

He drinks an **unbelievable** amount of beer.

revolution

n. a large-scale attempt to overthrow the government of a country, often using violence or war;

synonym: coup, innovation, rebellion

(1) beginning of the industrial **revolution**, (2) a political **revolution**

The **revolution** by the citizen resulted in a redistribution of wealth.

enlightenment

n. education that results in understanding and the spread of knowledge

synonym: civilization, awareness, sophistication

(1) spiritual **enlightenment**, (2) **enlightenment** activity

He finally brought his **enlightenment** to perfection.

descendant

n. children or offspring of a specific person, plant, or animal

synonym: child, offspring, heir

(1) **descendant** of a pioneer, (2) third-generation

descendant

Those warriors' **descendants** are still skilled archers.

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.

achieve

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

synonym : accomplish, attain, reach

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

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

pessimism

n. a tendency to see the worst in things and anticipate adverse outcomes; a belief that the world is generally bad or that something will go wrong more often than it will go right

synonym : negativity, defeatism, cynicism

(1) deep **pessimism**, (2) sense of **pessimism**

The CEO's constant **pessimism** about the company's future affected employee morale.

bible

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

synonym : authoritative book, holy book, doctrine

(1) a passage from the **Bible**, (2) believe **Bible** prophecy

Students have loved this textbook for many years as a biology **bible**.

enigmatic

adj. difficult to understand or explain; mysterious or puzzling

synonym : mysterious, puzzling, cryptic

(1) **enigmatic** smile, (2) **enigmatic** behavior

The **enigmatic** ancient civilization's disappearance remains unsolved.

chap

n. a crack in the skin, especially on the lips or hands, caused by dryness or cold weather; a man or boy; (verb) to crack, split, or roughen the skin, especially as a result of exposure to cold weather or wind

synonym : fellow, guy, crack

(1) **chap** stick, (2) nice **chap**

He suffered a painful **chap** on his hand after working with

chemicals.

novelty

n. the quality of being new, attractive, and unusual
synonym: originality, newness, wonder

(1) bit of a **novelty**, (2) the **novelty** of an invention
In Europe, this tropical fruit is still a **novelty**.

mere

adj. used to emphasize how insignificant or minor someone or something is

synonym: bare, minor, sheer

(1) **mere** acquaintance, (2) **mere** incident

He lost the election by **mere** votes.

preferable

adj. more desirable or suitable than another option; more favored or favored over something else; better or more advantageous

synonym: desirable, preferred, better

(1) **preferable** option, (2) **preferable** solution

For most people, living in a quiet suburb is **preferable** to living in a busy city.

purity

n. the state of being undiluted or unmixed with anything else; the state of being free from immorality, especially of a sexual nature

synonym: sinlessness, innocence, cleanliness

(1) the degree of **purity**, (2) high **purity**

Higher **purity** requires additional equipment and energy.

random

adj. made, done, or happening without method, conscious decision, or any regular pattern

synonym: incidental, arbitrary, unanticipated

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

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

contrast

v. to put in opposition to show or emphasize differences

synonym: differ, vary, counterpoint

(1) **contrast** with a decade ago, (2) **contrast** two things

It's intriguing to compare and **contrast** the two authors.

creative

adj. relating to or involving the use of skill and original and unusual ideas to create something

synonym : imaginative, innovative, inventive

(1) **creative** writing, (2) barren of **creative** spirit

All the supervisor has to do is assign tasks that make his subordinates more **creative**.

progression

n. the act or process of changing to the next stage or phase or moving forward

synonym : advancement, development, evolution

(1) **progression** of civilization, (2) **progression** of disease

The company has made great strides in its **progression** toward sustainability.

static

adj. not moving or not capable of moving, not changing or not capable of changing

synonym : immobile, unchanging, fixed

(1) **static** electricity, (2) **static** website

The **static** image on the screen took a lot of work to make out.

zero-sum

adj. referring to a situation in which an equal loss offsets each gain; describing a condition in which the total gains and losses balance to zero

synonym : equivalent, balanced, even-handed

(1) **zero-sum** economics, (2) **zero-sum** mentality

In some sports, such as tennis, the competition is a **zero-sum** game, with only one player able to win each match.

hell

n. the place thought to be where bad people go and are punished after death, often depicted as being located beneath the earth; an extraordinarily unpleasant or difficult place

synonym : inferno, agony, misery

(1) run like **hell**, (2) **hell** broke loose
The battlefield became **hell** on earth.

suffer

v. to experience pain, distress, or hardship; to undergo or endure something painful or unpleasant

synonym: endure, undergo, tolerate

(1) **suffer** a setback, (2) **suffer** bad grades

The older man **suffers** from arthritis and finds it difficult to move around.

intimate

adj. having a very close friendship, personal

synonym: close, tight, friendly

(1) my **intimate** affairs, (2) **intimate** relationship

He has an **intimate** knowledge of American history.

relate

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

synonym: connect, link, associate

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

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

frustrate

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

synonym: hinder, thwart, dishearten

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

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

famine

n. a severe shortage of food, often caused by drought, war, or economic reasons

synonym: hunger, starvation, drought

(1) **famine** relief, (2) coal **famine**

The severe **famine** caused by the drought has left many people without food.

pandemic

n. an outbreak of a disease that affects many people over a very wide area

synonym: outbreak

(1) flu **pandemic**, (2) global **pandemic**

They fear a **pandemic** of a new type of virus.

asteroid

n. 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.

slavery

n. the practice or system of owning, buying, and selling people as property and forcing them to work

synonym: bondage, servitude, enslavement

(1) **slavery** labor, (2) institution of **slavery**

The abolition of **slavery** in the United States was a major achievement in the fight for human rights.

novel

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

synonym: fiction, story, (adjective) innovative

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

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

ancient

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

synonym: archaic, age-old, obsolete

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

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

sage

n. a very wise and experienced person; a small evergreen subshrub with flat and light green leaves that has a strong smell and are used as a culinary herb

synonym: philosopher, scholar, thinker

(1) a **sage** of long ago, (2) a **sage** counselor

He was famous for his **sage** advice to younger entrepreneurs.

summarize

v. to give a brief statement of the most important facts or ideas about something

synonym: recap, outline, digest

(1) **summarizes** the main ideas, (2) **summarize** text

Each chapter **summarizes** the most critical issues.

humankind

n. the whole of the living human inhabitants of the earth

synonym: humanity, human race, society

(1) **humankind** as a species, (2) history of **humankind**

On the geological time scale, **humankind** has existed for a brief moment.

insignificant

adj. of little importance, influence, or power

synonym: unimportant, trivial, irrelevant

(1) **insignificant** amount, (2) an **insignificant** mistake

He made me feel small and **insignificant**.

consequence

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

synonym: result, impact, outcome

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

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

grueling

adj. extremely tiring or demanding great effort, especially with long duration or intensity

synonym: exhausting, draining, demanding

(1) **grueling** process, (2) a **grueling** campaign

The marathon was a **grueling** test of endurance.

labor

n. productive work, especially physical work done for wages; the people who do manual or physical work in a country or company for wage; (verb) to work hard or to strive and make an effort to reach a goal

synonym: toil, moil, donkeywork

(1) seasonal **labor**, (2) manual **labor**

In several countries, child **labor** is a serious social problem.

agony

n. extreme physical or mental pain or suffering, often prolonged or intense

synonym: anguish, torment, suffering

(1) severe **agony**, (2) emotional **agony**

The athlete fell to the ground in **agony** after injuring their ankle.

subsequent

adj. happening or occurring later or after something else

synonym: later, following, ensuing

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

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

nevertheless

adv. in spite of that; yet

synonym: nonetheless, yet, still

(1) keep working **nevertheless**, (2) **nevertheless**, she persevered

She was tired and hungry, but **nevertheless**, she persevered.

grandiose

adj. impressive or grand in size, appearance, or manner, especially in an exaggerated or pompous way

synonym: elaborate, impressive, grandiloquent

(1) **grandiose** project, (2) make a **grandiose** claim

The **grandiose** mansion was a testament to the family's wealth and status.

cosmic

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

synonym: astronomical, celestial, outer-space

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

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

explanation

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

synonym: description, elucidation, account

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

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

myth

n. an ancient story or set of stories accepted as history, especially explaining the worldview of a people

synonym: fable, legend, lore

(1) the **myth** of an old religion, (2) perpetuate a **myth**

With the financial bubble bursting, the **myth** of economic growth in investment banking collapsed.

largely

adv. virtually entirely; to a large degree

synonym: mainly, chiefly, broadly

(1) **largely** accepted, (2) **largely** mitigate the issue

Nevada is **largely** a desert state.

grim

adj. looking or sounding very serious or gloomy

synonym: fierce, harsh, gloomy

(1) **grim** reality, (2) a **grim-featured** man

The result presented a **grim** picture of inefficiency and corruption.

monotony

n. a situation in which something unchanging and boring
synonym : boredom, tedium, sameness

(1) the **monotony** of the daily routine, (2) break the **monotony**

The **monotony** of the assembly line work made the days feel very long.

endless

adj. having no end or conclusion; infinitely very large in size or amount

synonym : infinite, ceaseless, boundless

(1) **endless** possibilities, (2) **endless** hours

He looked out the window at the **endless** stream of people.

evil

adj. profoundly immoral, cruel, and wicked; having or exerting a harmful effect on people

synonym : malign, corruption, immorality

(1) **evil** ways, (2) a charm against **evil**

Corruption is an **evil** act for any reason.

battleground

n. a place where a battle is fought

synonym : arena, field, theater

(1) **battleground** states, (2) the legal **battleground**

The city became a **battleground** during the war.

neat

adj. clean or tidy, with everything in its place

synonym : tidy, uncluttered, refined

(1) a **neat** piece of work, (2) **neat** idea

She has **neat** habits.

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.

conflict

n. a strong disagreement, argument, or a violent clash between two opposing groups or individuals

synonym : clash, discord, competition

(1) the **conflict** between good and evil, (2) the longstanding **conflict**

He and I often had **conflicts**, not only in personality but also in ideology.

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.

satisfy

v. to make somebody pleased by giving them what they want or need

synonym : please, amuse, meet

(1) **satisfy** a desire, (2) **satisfy** a user's needs

Did this response **satisfy** your request?

dogma

n. a belief or set of beliefs that the members of a group accept without being questioned or doubted

synonym : doctrine, tenet, creed

(1) religious **dogma**, (2) the secret **dogma**

All members strictly followed the **dogma** of the organization.

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**.

physics

n. the science of matter and energy and their interactions
(1) nuclear **physics**, (2) laws of **physics**
He studied the **physics** of radiation.

chaos

n. a state of complete confusion or disorder, often characterized by a lack of predictability or control
synonym: disorder, turmoil, confusion

(1) **chaos** theory, (2) midst of **chaos**

The conference room was in **chaos** as everyone tried to speak at once.

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.

bleak

adj. unlikely to be favorable; unpleasantly cold and damp; offering little or no hope

synonym: miserable, pathetic, dim

(1) prospects were **bleak**, (2) **bleak** future

The political landscape looks **bleak** without a change of administration.

villain

n. a character in a story, movie, or play which often opposes the hero, typically characterized as immoral, evil, or cruel

synonym: scoundrel, rogue, antagonist

(1) evil **villain**, (2) authoritarian **villain**

The **villain** in the movie was a complex character with a tragic backstory.

preordain

v. to determine or decree something in advance; to believe or accept that an outcome is predetermined by a higher power or fate

synonym: predestine, predetermine, fate

(1) **preordain** the sequence of events, (2) **preordain** my future

Some people believe that a higher power **preordains** everything that happens in life.

victory

n. success in a game, competition, election, or battle, or the knowledge that you have won

synonym: win, triumph, success

(1) **victory** in the law court, (2) **victory** over terrorism

We are optimistic about our final **victory**.

inexorable

adj. describing a process or situation that is impossible to stop, prevent, or change; relentless, unyielding, or unstoppable in force or effect

synonym: relentless, implacable, unyielding

(1) **inexorable** decline, (2) **inexorable** force

His **inexorable** determination to succeed made him a force to be reckoned with.

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.

universe

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

synonym: cosmos, macrocosm

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

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

sustainable

adj. able to continue or be continued for a long time

synonym: continuable, endurable, tolerable

(1) **sustainable** alternative fuel, (2) principles of **sustainable** development

The government should do more to support environmentally **sustainable** agriculture.

wasteful

adj. characterized by excessive or unnecessary use or consumption; using resources or materials inefficiently or inappropriately, resulting in unnecessary waste or expense

synonym : uneconomical, extravagant, profligate

(1) **wasteful** practices, (2) **wasteful** habits

Buying new clothes every week is a **wasteful** use of money and resources.

contemporary

adj. belonging to the same or present time

synonym : modern, stylish, coetaneous

(1) field of **contemporary** art, (2) **contemporary** leaders

Contemporary music has gained different followers from existing music.

twist

v. to bend or turn something into a certain shape

synonym : wrench, turn, twirl

(1) **twist** around to the left, (2) **twist** a wet towel

He **twisted** pieces of rope out of straw.

tale

n. a story made up in someone's imagination, especially one full of action and adventure

synonym : canard, fiction, fable

(1) a fairy **tale**, (2) **tale** of horror

Ghosts in folk **tales** are almost always malicious.

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**.

collapse

v. to fall down or give way suddenly, often after breaking apart

synonym: tumble, spill, bankruptcy

(1) the stock market **collapsed**, (2) ready to **collapse**

The roof finally **collapsed** after three days and three nights of heavy snowfall.

shred

v. to tear or cut something into a small pieces; (noun) a tiny or scarcely detectable amount

synonym: rip up, tear up, cut

(1) **shred** paper into little pieces, (2) **shred** lettuce for a salad

There is not a **shred** of evidence that he is guilty.

pessimistic

adj. tending to see the worst aspect of things or expecting the worst possible outcome

synonym: cynical, defeatist, despairing

(1) take a **pessimistic** view of life, (2) **pessimistic** for our survival

She was unduly **pessimistic** about her future.

prophecy

n. a statement or prediction that something will happen in the future, typically one made by a religious leader

synonym: prediction, foretelling, divination

(1) **prophecy** fulfillment, (2) **prophecy** of doom

The fortune teller's **prophecy** that I would meet my soulmate next year has yet to come true.

mislead

v. to cause someone to believe something that is not true

synonym: misinform, delude, belie

(1) **mislead** him into trusting her, (2) **mislead** the enemy

Our troops pulled back to **mislead** the enemy.

portray

v. to depict or describe someone or something in a painting, film, book, or other artistic work

synonym : depict, describe, illustrate

(1) **portray** feelings in words, (2) accurately **portray** the condition

We often **portray** political problems as religious issues.

landscape

n. an expanse of scenery that can be seen in a single view; a large area of land, especially in the country and relating to its appearance

synonym : geography, terrain, topography

(1) a peaceful **landscape**, (2) **landscape** painting

Recent electoral shocks have shaken the political **landscape** in Europe.

bang

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

synonym : crash, hit, smash

(1) **bang** his fist on a desk, (2) **bang** a phone down

My father tried to **bang** mathematics into my head since childhood.

immediately

adv. now or without delay

synonym : directly, instantly, promptly

(1) **immediately** recall a product, (2) write him an answer **immediately**

A suspension order from the court is effective **immediately**.

atom

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

synonym : particle, element, fraction

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

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

galaxy

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

synonym : star cluster, nebula, star system

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

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

astronomical

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

synonym : huge, vast, enormous

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

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

accidentally

adv. by chance or without planning

synonym : by chance, unintentionally, unwittingly

(1) they met **accidentally**, (2) **accidentally** coincide

He was **accidentally** killed by friendly fire.

inconsequential

adj. of little or no importance or significance; trivial or negligible

synonym : insignificant, trivial, minor

(1) **inconsequential** details, (2) **inconsequential** effect

The mistake was **inconsequential** and did not significantly impact the outcome.

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.

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.

origin

n. the first existence or beginning of something

synonym: root, source, ancestor

(1) **origin** of information, (2) racial **origin**

There are various hypotheses concerning the **origin** of life.

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.

biology

n. the scientific study of life and the natural processes of living things

(1) evolutionary **biology**, (2) cell and molecular **biology**

In junior high school, we had to dissect a frog in **biology** class.

adaptation

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

synonym: adaption, adjustment, transformation

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

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

utterly

adv. completely or absolutely

synonym: absolutely, completely, perfectly

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

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

transform

v. to change in outward structure or looks;

synonym: alter, convert, change

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

power

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

oxygen

n. the chemical element with the symbol O that is present in air and water and is necessary for people, animals, and plants to live

(1) the hydrogen binds the **oxygen**, (2) lack of **oxygen**

The passenger grabbed for the **oxygen** mask.

extract

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

synonym: excerpt, quote, distillation

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

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

chalk

n. a soft, white, porous sedimentary rock composed of calcium carbonate, often used for drawing or writing on surfaces such as blackboards

synonym: white rock, limestone, gypsum

(1) a piece of **chalk**, (2) **chalk** on a blackboard

The kids used colored **chalk** to create a mural on the pavement.

cubic

adj. having the shape of a cube or being of three dimensions; measured in units that are the third power of a linear unit

synonym: three-dimensional, boxlike, cubical

(1) **cubic** meter, (2) **cubic** structure

The package was a **cubic** shape, which made it easier to stack on the shelf.

depth

n. the distance between the top and bottom of something; between the top surface and a distance below it

synonym: deepness, profoundness, extent

(1) **depth** camera, (2) the **depth** of the water

The pond's **depth** was around five feet.

unaffected

adj. not influenced or emotionally impacted by external factors or events; calm, composed, and emotionally stable

synonym : untouched, unaffected, unaltered

(1) **unaffected** by weather, (2) emotionally **unaffected**

Despite the chaos around her, she remained **unaffected** and focused.

weird

adj. extraordinary, unexpected, or difficult to explain

synonym : bizarre, creepy, peculiar

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

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

chemical

adj. relating to or connected with chemistry;

synonym : chemic, synthetic

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

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

substance

n. the real physical material of which a thing or person consist; the most important or main part of some idea or experience; an illegal drug

synonym : essence, core, material

(1) an explosive **substance**, (2) **substance** abuse problem

The **substance** of the argument was well-presented.

detect

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

synonym : catch, observe, notice

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

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

presumably

adv. believed to be true or likely based on the available evidence, or supposed to be the case without definite proof

synonym : likely, seemingly, supposedly

(1) **presumably** accurate, (2) **presumably** refuse the offer
The witness's testimony was **presumably** based on what he had seen and heard.

lifeless

adj. without life; dead

synonym: inanimate, inert, motionless

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

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

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.

evolution

n. a gradual process of transformation of living things

synonym: elaboration, expansion, transition

(1) human **evolution**, (2) **evolution** theory

They study the **evolution** of the universe.

ancestor

n. a person from whom one is descended; a forefather

synonym: forebear, forefather, progenitor

(1) **ancestor** language, (2) earliest human **ancestor**

My remote **ancestor** immigrated to the United States from Ireland in the 1800s.

explanatory

adj. serving to explain or clarify; providing additional information or details to aid in understanding

synonym: explanative, elucidative, interpretive

(1) **explanatory** variable, (2) **explanatory** video

The professor's **explanatory** notes helped the students understand the confusing lecture material.

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.

differ

v. to be not like someone or something in some way

synonym : vary, diverge, disagree

(1) **differ** from the majority, (2) **differ** according to species

The two products **differed** in their quality and price.

instance

n. a particular example or single occurrence of something

synonym : example, sample, illustration

(1) for **instance**, (2) notable **instance**

These articles cite five **instances** of climate change.

universal

adj. existing or affecting everywhere or everyone

synonym : common, broad, worldwide

(1) **universal** life, (2) principles of **universal** design

The picture earned near- **universal** acclaim from critics.

attract

v. to draw or entice someone or something towards them through the qualities they have, especially positive ones

synonym : lure, entice, draw in

(1) **attract** attention, (2) **attract** customers

The government is eager to **attract** international investment.

gradual

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

synonym : incremental, gradational, piecemeal

(1) a **gradual** process, (2) a **gradual** change

The country experienced a **gradual** increase in population.

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.

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.

trend

n. a general direction in which something is changing or developing

synonym: direction, movement, tendency

(1) an international **trend**, (2) the **trend** away from television

The oil price continued their downward **trend**.

relative

adj. considered and evaluated through comparison with something else

synonym: comparative, proximate, congeneric

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

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

predict

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

synonym: forecast, anticipate, foresee

(1) **predict** the future, (2) **predict** when she will arrive

It's notoriously challenging to **predict** birth rates.

retrodiction

n. the act of explaining or interpreting past events, often based on current knowledge or understanding, essentially the opposite of prediction

synonym: back projection, postcognition

(1) **retrodiction** method, (2) **retrodiction** analysis

The paleontologist used the principles of **retrodiction** to infer the behaviors of dinosaurs based on current fossil evidence.

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.

vice

n. wrongdoing or wicked behavior; (in the form of vice versa) with the order reversed; (as a prefix) someone with a job immediately below a particular person

synonym : corruption, depravity, evil

(1) virtue and **vice**, (2) **vice-chair** of the committee

Cats hate dogs and **vice** versa.

hierarchy

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

synonym : ranking, order, scale

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

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

comet

n. a celestial object consisting of a nucleus of ice and dust that goes around the sun

synonym : meteor, asteroid, meteoroid

(1) the surface of the **comet**, (2) **comet** Halley

The **comet's** bright tail could be seen in the night sky.

vapor

n. a mass of tiny liquid drops in the air

synonym : condensation, dew, fog

(1) alcohol **vapor**, (2) water **vapor** in the atmosphere

Clouds form when water **vapor** rises to the upper atmosphere.

large-scale

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

synonym : big, massive, grand

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

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

simplicity

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

synonym: easiness, plainness, modesty

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

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

grace

n. a quality of being pleasing, especially in appearance or manner; a temporary exemption, especially an extended period granted as a special favor; a short prayer of thanks before a meal

synonym: charm, poise, elegance

(1) say a **grace**, (2) end of the **grace** period

The old oak tree stood with **grace** and majesty in the park's center.

molecule

n. a group of two or more atoms held together by attractive forces known as chemical bonds

synonym: particle, element, atom

(1) small **molecules**, (2) **molecule** behavior

The shape of the DNA **molecule** is a double helix.

vast

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

synonym: expansive, extended, boundless

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

A **vast** audience viewed the broadcast.

disproportionate

adj. too large or too small when compared with something else, or not deserving its importance or influence

synonym: undeserved, unequal, superfluous

(1) cause **disproportionate** damage, (2) **disproportionate** amount

This big gate is **disproportionate** to the small hut.

photosynthesis

n. the process through which plants and other organisms transform light energy into chemical energy, which is then released through cellular respiration to power the organism's activities.

(1) oxygenic **photosynthesis**, (2) process of **photosynthesis**

In **photosynthesis**, plants use carbon dioxide to feed themselves.

proliferation

n. a rapid or uncontrolled increase in the number or amount of something; the process of growing, producing, or spreading rapidly and excessively

synonym: spread, expansion, increase

(1) nuclear **proliferation**, (2) the **proliferation** of social media

The **proliferation** of fast-food restaurants has contributed to the obesity epidemic.

viol

n. a stringed instrument, typically with six strings and frets, played with a bow, also called a viola da gamba

synonym: viola, viola da gamba, string instrument

(1) **viol** instrument, (2) **viol** music

The **viol** player was rehearsing for an upcoming concert.

reverse

v. to change something's direction, order, position, decision, etc., to the opposite one; (adjective) directed or moving toward the rear

synonym: overturn, shift, switch

(1) **reverse** the trend, (2) **reverse** the order

The restaurant **reversed** a ban on smoking.

mind-blowing

adj. extremely impressive in a way that affects someone's mind or emotions

synonym: amazing, incredible, shocking

(1) **mind-blowing** discovery, (2) a **mind-blowing** horror story

The **mind-blowing** effects of the psychedelic drug were

unlike anything he had ever experienced.

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.

perspective

n. a confident attitude toward something; a particular style of thinking about something

synonym : viewpoint, standpoint, outlook

(1) a **perspective** view, (2) the **perspective** of the battle

His father's death changed his whole **perspective** on life.

alternative

n. one of two or more available possibilities or choice

synonym : choice, option

(1) an **alternative** plan, (2) there is no other **alternative**

Doctors are gradually coming around to the idea of using **alternative** medicines.

continually

adv. in a way that happens without interruption or repeatedly

synonym : repeatedly, frequently, constantly

(1) **continually** access information, (2) **continually** changing world

Her tongue runs on **continually**.

obsolete

adj. no longer in use or helpful because something newer or better has been invented and introduced

synonym : ancient, bygone, outdated

(1) an **obsolete** word, (2) become **obsolete**

New technology has rendered my old smartphone **obsolete**.

nemesis

n. an archenemy, opponent, or rival who is often seen as a personification of retribution or divine justice; a downfall or undoing that is a consequence of one's actions

synonym : foe, adversary, rival

(1) personal **nemesis**, (2) athletic **nemesis**

The CEO's **nemesis** was a competing business that refused to go out of business.

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.

cosmology

n. the scientific study of the nature and origin of the universe

synonym: cosmogony

(1) physical **cosmology**, (2) modern **cosmology**

Cosmology evolved from people's philosophical questions about the natural world.

stasis

n. a state of stillness or immobility, often used in a medical context to refer to a lack of change or progress in a condition or disease

synonym: stillness, inactivity, stagnation

(1) renal **stasis**, (2) **stasis** in development

The patient's **stasis** in the hospital was concerning to the doctors.

destine

v. to determine or set the course of something in advance, often in a way that seems predetermined or inevitable; to specify or choose someone or something for a particular fate or outcome

synonym: ordain, doom, predestine

(1) **destine** us to meet again, (2) be **destined** to become a great artist

Some people believe that we are all **destined** for greatness.

Session 2: Spelling

1. de___t a bad event
v. to find or recognize something, especially something difficult to see, hear, etc.
2. a gr____l change
adj. happening slowly over a long period of time or distance; not steep or abrupt
3. refined sim_____ty
n. the quality or condition of being natural and plain or easy to understand or do
4. toxic ch_____als
adj. relating to or connected with chemistry;
5. fa___e relief
n. a severe shortage of food, often caused by drought, war, or economic reasons
6. en_____y calculation
n. a scientific concept that is most commonly associated with a state of disorder, randomness, or uncertainty
7. tw__t a wet towel
v. to bend or turn something into a certain shape
8. ret_____ion method
n. the act of explaining or interpreting past events, often based on current knowledge or understanding, essentially the opposite of prediction
9. principles of un_____al design
adj. existing or affecting everywhere or everyone
10. sh__d lettuce for a salad
v. to tear or cut something into a small pieces; (noun) a tiny or scarcely detectable amount
11. cause dis_____ate damage
adj. too large or too small when compared with something else, or not deserving its importance or influence

ANSWERS: 1. detect, 2. gradual, 3. simplicity, 4. chemical, 5. famine, 6. entropy, 7. twist, 8. retrodiction, 9. universal, 10. shred, 11. disproportionate

12. st___s in development *n.* a state of stillness or immobility, often used in a medical context to refer to a lack of change or progress in a condition or disease
13. ty_____l leader *adj.* having the usual characteristics or traits of a specific group of things
14. evolutionary bi_____y *n.* the scientific study of life and the natural processes of living things
15. e__l ways *adj.* profoundly immoral, cruel, and wicked; having or exerting a harmful effect on people
16. bit of a no_____y *n.* the quality of being new, attractive, and unusual
17. di___r according to species *v.* to be not like someone or something in some way
18. the mo_____ny of the daily routine *n.* a situation in which something unchanging and boring
19. en_____s possibilities *adj.* having no end or conclusion; infinitely very large in size or amount
20. ma_____e amounts *adj.* enormous amount; very heavy and solid
21. g__m reality *adj.* looking or sounding very serious or gloomy
22. as_____id mining *n.* a small rocky body orbiting the sun, typically in the region between Mars and Jupiter
23. beginning of the industrial
rev_____on *n.* a large-scale attempt to overthrow the government of a country, often using violence or war;

ANSWERS: 12. stasis, 13. typical, 14. biology, 15. evil, 16. novelty, 17. differ, 18. monotony, 19. endless, 20. massive, 21. grim, 22. asteroid, 23. revolution

24. con_____ly changing world *adv.* in a way that happens without interruption or repeatedly
25. ac_____e milestones *v.* to successfully complete a task or goal, often through hard work, perseverance, and dedication; to attain or accomplish something that one has set out to do
26. a piece of ch__k *n.* a soft, white, porous sedimentary rock composed of calcium carbonate, often used for drawing or writing on surfaces such as blackboards
27. high pu___y *n.* the state of being undiluted or unmixed with anything else; the state of being free from immorality, especially of a sexual nature
28. a remote re_____ve *adj.* considered and evaluated through comparison with something else
29. ma_____e stars *adj.* enormous amount; very heavy and solid
30. hu_____nd as a species *n.* the whole of the living human inhabitants of the earth
31. 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
32. 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
33. v__t desert *adj.* enormous in size, number, amount, or quantity

ANSWERS: 24. continually, 25. achieve, 26. chalk, 27. purity, 28. relative, 29. massive, 30. humankind, 31. gravity, 32. buck, 33. vast

34. field of con_____ary art *adj.* belonging to the same or present time
35. co_____st with a decade ago *v.* to put in opposition to show or emphasize differences
36. ove_____ing majority *adj.* very great or intense; so powerful that you cannot fight or react against it
37. evil vi_____n *n.* a character in a story, movie, or play which often opposes the hero, typically characterized as immoral, evil, or cruel
38. human ev_____on *n.* a gradual process of transformation of living things
39. process of pho_____sis *n.* the process through which plants and other organisms transform light energy into chemical energy, which is then released through cellular respiration to power the organism's activities.
40. elliptic ga_____y *n.* an independent group of stars, interstellar gas, dark matter, etc., in the universe, bound together by gravity
41. end of the gr___e period *n.* a quality of being pleasing, especially in appearance or manner; a temporary exemption, especially an extended period granted as a special favor; a short prayer of thanks before a meal
42. personal ne_____s *n.* an archenemy, opponent, or rival who is often seen as a personification of retribution or divine justice; a downfall or undoing that is a consequence of one's actions
43. the de__h of the water *n.* the distance between the top and bottom of something; between the top surface and a distance below it

ANSWERS: 34. contemporary, 35. contrast, 36. overwhelming, 37. villain, 38. evolution, 39. photosynthesis, 40. galaxy, 41. grace, 42. nemesis, 43. depth

44. flu pa_____ic *n.* an outbreak of a disease that affects many people over a very wide area
45. neutral hydrogen a__ms *n.* the smallest unit of ordinary matter that forms a chemical element, composed of a nucleus and one or more electrons bound to the nucleus
46. over sub_____nt months *adj.* happening or occurring later or after something else
47. con_____ary leaders *adj.* belonging to the same or present time
48. seasonal la__r *n.* productive work, especially physical work done for wages; the people who do manual or physical work in a country or company for wage; (verb) to work hard or to strive and make an effort to reach a goal
49. unintended con_____ces *n.* the outcome of a particular action or event, especially relative to an individual
50. ev_____on theory *n.* a gradual process of transformation of living things
51. the state of being we__d *adj.* extraordinary, unexpected, or difficult to explain
52. art cr___c *n.* someone who expresses opinions about the quality of books, music, etc.
53. the stock market co_____sed *v.* to fall down or give way suddenly, often after breaking apart
54. la_____pe painting *n.* an expanse of scenery that can be seen in a single view; a large area of land, especially in the country and relating to its appearance

ANSWERS: 44. pandemic, 45. atom, 46. subsequent, 47. contemporary, 48. labor, 49. consequence, 50. evolution, 51. weird, 52. critic, 53. collapse, 54. landscape

55. principles of sus_____le development
adj. able to continue or be continued for a long time
56. a min_____ing horror story
adj. extremely impressive in a way that affects someone's mind or emotions
57. mi_____d him into trusting her
v. to cause someone to believe something that is not true
58. co_____st two things
v. to put in opposition to show or emphasize differences
59. ac_____e success
v. to successfully complete a task or goal, often through hard work, perseverance, and dedication; to attain or accomplish something that one has set out to do
60. the ul_____te goal in life
adj. furthest or highest in degree or order
61. unb_____ble beauty
adj. beyond belief or understanding and extremely surprising
62. 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
63. a li_____ss corpse
adj. without life; dead
64. su_____r bad grades
v. to experience pain, distress, or hardship; to undergo or endure something painful or unpleasant
65. pro_____on of civilization
n. the act or process of changing to the next stage or phase or moving forward
66. fr_____te other team members
v. to hinder or prevent efforts, plans, or desires from doing, succeeding, or being fulfilled; to make someone feel upset or annoyed because they are unable to change or achieve something

ANSWERS: 55. sustainable, 56. mind-blowing, 57. mislead, 58. contrast, 59. achieve, 60. ultimate, 61. unbelievable, 62. thermodynamics, 63. lifeless, 64. suffer, 65. progression, 66. frustrate

67. have ge____c testing *adj.* of or relating to genes (= parts of the DNA in cells) or the science of genes
68. pre_____ly accurate *adv.* believed to be true or likely based on the available evidence, or supposed to be the case without definite proof
69. bl__k future *adj.* unlikely to be favorable; unpleasantly cold and damp; offering little or no hope
70. eve_____ly succeed *adv.* finally, particularly after a long time or a lot of struggle, complications, and so on
71. co__t Halley *n.* a celestial object consisting of a nucleus of ice and dust that goes around the sun
72. sl_____y labor *n.* the practice or system of owning, buying, and selling people as property and forcing them to work
73. ins_____ant amount *adj.* of little importance, influence, or power
74. artificial bi_____re *n.* the part of the Earth and its atmosphere in which living organisms exist, including plants, animals, and microorganisms
75. the legal bat_____und *n.* a place where a battle is fought
76. ch__k on a blackboard *n.* a soft, white, porous sedimentary rock composed of calcium carbonate, often used for drawing or writing on surfaces such as blackboards
77. history of hu_____nd *n.* the whole of the living human inhabitants of the earth
78. v__t majority *adj.* enormous in size, number, amount, or quantity

ANSWERS: 67. genetic, 68. presumably, 69. bleak, 70. eventually, 71. comet, 72. slavery, 73. insignificant, 74. biosphere, 75. battleground, 76. chalk, 77. humankind, 78. vast

79. inc_____ial effect *adj.* of little or no importance or significance; trivial or negligible
80. wa_____ul practices *adj.* characterized by excessive or unnecessary use or consumption; using resources or materials inefficiently or inappropriately, resulting in unnecessary waste or expense
81. bat_____und states *n.* a place where a battle is fought
82. imm_____ly recall a product *adv.* now or without delay
83. lo___e a missing pet *v.* to specify or determine the exact position of someone or something
84. st___c website *adj.* not moving or not capable of moving, not changing or not capable of changing
85. the no_____y of an invention *n.* the quality of being new, attractive, and unusual
86. a charm against e___l *adj.* profoundly immoral, cruel, and wicked; having or exerting a harmful effect on people
87. pr_____t when she will arrive *v.* to state beforehand that something will happen in the future, mainly based on knowledge or experience
88. a ga___y of famous actors *n.* an independent group of stars, interstellar gas, dark matter, etc., in the universe, bound together by gravity
89. nuclear ph_____s *n.* the science of matter and energy and their interactions
90. the longstanding co_____ct *n.* a strong disagreement, argument, or a violent clash between two opposing groups or individuals

ANSWERS: 79. inconsequential, 80. wasteful, 81. battleground, 82. immediately, 83. locate, 84. static, 85. novelty, 86. evil, 87. predict, 88. galaxy, 89. physics, 90. conflict

91. emotional ag__y *n.* extreme physical or mental pain or suffering, often prolonged or intense
92. en____s hours *adj.* having no end or conclusion; infinitely very large in size or amount
93. tw__t around to the left *v.* to bend or turn something into a certain shape
94. ready to co____se *v.* to fall down or give way suddenly, often after breaking apart
95. pre____ly refuse the offer *adv.* believed to be true or likely based on the available evidence, or supposed to be the case without definite proof
96. un____al life *adj.* existing or affecting everywhere or everyone
97. en____y conservation *n.* a scientific concept that is most commonly associated with a state of disorder, randomness, or uncertainty
98. as____id explorer *n.* a small rocky body orbiting the sun, typically in the region between Mars and Jupiter
99. become ob____te *adj.* no longer in use or helpful because something newer or better has been invented and introduced
100. su____ze text *v.* to give a brief statement of the most important facts or ideas about something
101. a political rev____on *n.* a large-scale attempt to overthrow the government of a country, often using violence or war;
102. a per____ve view *n.* a confident attitude toward something; a particular style of thinking about something

ANSWERS: 91. agony, 92. endless, 93. twist, 94. collapse, 95. presumably, 96. universal, 97. entropy, 98. asteroid, 99. obsolete, 100. summarize, 101. revolution, 102. perspective

103. authoritarian vi_____n *n.* a character in a story, movie, or play which often opposes the hero, typically characterized as immoral, evil, or cruel
104. re_____e the trend *v.* to change something's direction, order, position, decision, etc., to the opposite one; (adjective) directed or moving toward the rear
105. virtue and v___e *n.* wrongdoing or wicked behavior; (in the form of vice versa) with the order reversed; (as a prefix) someone with a job immediately below a particular person
106. cu__c structure *adj.* having the shape of a cube or being of three dimensions; measured in units that are the third power of a linear unit
107. racial or____n *n.* the first existence or beginning of something
108. an alt_____ve plan *n.* one of two or more available possibilities or choice
109. the th___l of speed *n.* a feeling of extreme and sudden excitement and pleasure; to cause someone to feel sudden intense sensation or emotion
110. m___e incident *adj.* used to emphasize how insignificant or minor someone or something is
111. a fairy t___e *n.* a story made up in someone's imagination, especially one full of action and adventure
112. 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

ANSWERS: 103. villain, 104. reverse, 105. vice, 106. cubic, 107. origin, 108. alternative, 109. thrill, 110. mere, 111. tale, 112. buck

113. manual la__r *n.* productive work, especially physical work done for wages; the people who do manual or physical work in a country or company for wage; (verb) to work hard or to strive and make an effort to reach a goal
114. the co_____ct between good and evil *n.* a strong disagreement, argument, or a violent clash between two opposing groups or individuals
115. tec_____cal advancement *adj.* based on scientific and industrial progress
116. the con_____ce of an argument *n.* the outcome of a particular action or event, especially relative to an individual
117. nuclear pro_____ion *n.* a rapid or uncontrolled increase in the number or amount of something; the process of growing, producing, or spreading rapidly and excessively
118. the exp_____on for the failure *n.* the information or arguments that someone provides to make something understandable or clear
119. ret_____ion analysis *n.* the act of explaining or interpreting past events, often based on current knowledge or understanding, essentially the opposite of prediction
120. pre_____le solution *adj.* more desirable or suitable than another option; more favored or favored over something else; better or more advantageous
121. a life of sim_____ty *n.* the quality or condition of being natural and plain or easy to understand or do

ANSWERS: 113. labor, 114. conflict, 115. technological, 116. consequence, 117. proliferation, 118. explanation, 119. retrodiction, 120. preferable, 121. simplicity

122. vi____y in the law court *n.* success in a game, competition, election, or battle, or the knowledge that you have won
123. ast_____cal observation *adj.* relating to astronomy or the study of celestial bodies and phenomena; very large or immense in scale or magnitude
124. inc_____ble math problem *adj.* impossible to understand or explain; not able to be grasped or comprehended
125. exp_____ry video *adj.* serving to explain or clarify; providing additional information or details to aid in understanding
126. an ins_____ant mistake *adj.* of little importance, influence, or power
127. reduce sub_____nt mortality *adj.* happening or occurring later or after something else
128. de___e a word *v.* to state or explain precisely the nature, scope, or meaning of something
129. ine_____le decline *adj.* describing a process or situation that is impossible to stop, prevent, or change; relentless, unyielding, or unstoppable in force or effect
130. small mo_____les *n.* a group of two or more atoms held together by attractive forces known as chemical bonds
131. cause unb_____ble damage *adj.* beyond belief or understanding and extremely surprising
132. su___r a setback *v.* to experience pain, distress, or hardship; to undergo or endure something painful or unpleasant

ANSWERS: 122. victory, 123. astronomical, 124. incomprehensible, 125. explanatory, 126. insignificant, 127. subsequent, 128. define, 129. inexorable, 130. molecule, 131. unbelievable, 132. suffer

133. lo___e a tumor
v. to specify or determine the exact position of someone or something
134. wa_____ul habits
adj. characterized by excessive or unnecessary use or consumption; using resources or materials inefficiently or inappropriately, resulting in unnecessary waste or expense
135. break the mo_____ny
n. a situation in which something unchanging and boring
136. su_____zes the main ideas
v. to give a brief statement of the most important facts or ideas about something
137. fr_____te the advancement
v. to hinder or prevent efforts, plans, or desires from doing, succeeding, or being fulfilled; to make someone feel upset or annoyed because they are unable to change or achieve something
138. athletic ne_____s
n. an archenemy, opponent, or rival who is often seen as a personification of retribution or divine justice; a downfall or undoing that is a consequence of one's actions
139. second co___c velocity
adj. relating to the universe or cosmos; vast or limitless
140. fall li_____ss
adj. without life; dead
141. bombs fell at ra___m
adj. made, done, or happening without method, conscious decision, or any regular pattern
142. physical co_____gy
n. the scientific study of the nature and origin of the universe

ANSWERS: 133. locate, 134. wasteful, 135. monotony, 136. summarize, 137. frustrate, 138. nemesis, 139. cosmic, 140. lifeless, 141. random, 142. cosmology

143. t__e of horror *n.* a story made up in someone's imagination, especially one full of action and adventure
144. ut____y changed *adv.* completely or absolutely
145. severe cr____c *n.* someone who expresses opinions about the quality of books, music, etc.
146. re___e a message *v.* to establish a connection or association between two or more things; to narrate or tell about an event, experience, or relationship; to empathize or feel sympathy with someone or something
147. take a pes____ic view of life *adj.* tending to see the worst aspect of things or expecting the worst possible outcome
148. de____yed evidence *v.* to ruin or damage severely or completely; to eradicate or eliminate completely
149. de__h camera *n.* the distance between the top and bottom of something; between the top surface and a distance below it
150. an____t stories *adj.* relating to the long ago, particularly the historical period preceding the fall of the Western Roman Empire; very old
151. lar____le agriculture *adj.* involving many people or things and involving a lot of change or activity
152. earliest human an____or *n.* a person from whom one is descended; a forefather
153. fairly ty____l symptoms *adj.* having the usual characteristics or traits of a specific group of things

ANSWERS: 143. tale, 144. utterly, 145. critic, 146. relate, 147. pessimistic, 148. destroy, 149. depth, 150. ancient, 151. large-scale, 152. ancestor, 153. typical

154. say a gr__e *n.* a quality of being pleasing, especially in appearance or manner; a temporary exemption, especially an extended period granted as a special favor; a short prayer of thanks before a meal
155. the tr__d away from television *n.* a general direction in which something is changing or developing
156. re___e a story *v.* to establish a connection or association between two or more things; to narrate or tell about an event, experience, or relationship; to empathize or feel sympathy with someone or something
157. make a gr_____se claim *adj.* impressive or grand in size, appearance, or manner, especially in an exaggerated or pompous way
158. de_____y the ecosystem *v.* to ruin or damage severely or completely; to eradicate or eliminate completely
159. pre_____le option *adj.* more desirable or suitable than another option; more favored or favored over something else; better or more advantageous
160. cell and molecular bi_____y *n.* the scientific study of life and the natural processes of living things
161. my in_____te affairs *adj.* having a very close friendship, personal
162. inc_____ble jargon *adj.* impossible to understand or explain; not able to be grasped or comprehended
163. institution of sl_____y *n.* the practice or system of owning, buying, and selling people as property and forcing them to work

ANSWERS: 154. grace, 155. trend, 156. relate, 157. grandiose, 158. destroy, 159. preferable, 160. biology, 161. intimate, 162. incomprehensible, 163. slavery

164. 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
165. ch__s theory *n.* a state of complete confusion or disorder, often characterized by a lack of predictability or control
166. en_____ic smile *adj.* difficult to understand or explain; mysterious or puzzling
167. deep pe_____sm *n.* a tendency to see the worst in things and anticipate adverse outcomes; a belief that the world is generally bad or that something will go wrong more often than it will go right
168. language ada_____on *n.* the action or process of changing to suit different conditions
169. spiritual enl_____ent *n.* education that results in understanding and the spread of knowledge
170. 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
171. en_____ic behavior *adj.* difficult to understand or explain; mysterious or puzzling
172. b__g a phone down *v.* to hit or cause to hit something in a way that makes a loud noise
173. prospects were bl__k *adj.* unlikely to be favorable; unpleasantly cold and damp; offering little or no hope
174. cr_____ve writing *adj.* relating to or involving the use of skill and original and unusual ideas to create something

ANSWERS: 164. thermodynamics, 165. chaos, 166. enigmatic, 167. pessimism, 168. adaptation, 169. enlightenment, 170. planet, 171. enigmatic, 172. bang, 173. bleak, 174. creative

175. nev_____ess, she persevered *adv.* in spite of that; yet
176. run like h__l *n.* the place thought to be where bad people go and are punished after death, often depicted as being located beneath the earth; an extraordinarily unpleasant or difficult place
177. believe Bi__e prophecy *n.* the sacred writings of the Christian religions, consisting of the Old and New Testaments; a book regarded as authoritative in its field
178. renal st____s *n.* a state of stillness or immobility, often used in a medical context to refer to a lack of change or progress in a condition or disease
179. a passage from the Bi__e *n.* the sacred writings of the Christian religions, consisting of the Old and New Testaments; a book regarded as authoritative in its field
180. coal fa____e *n.* a severe shortage of food, often caused by drought, war, or economic reasons
181. gr_____ng process *adj.* extremely tiring or demanding great effort, especially with long duration or intensity
182. ze_____um mentality *adj.* referring to a situation in which an equal loss offsets each gain; describing a condition in which the total gains and losses balance to zero
183. n__t idea *adj.* clean or tidy, with everything in its place
184. enl_____ent activity *n.* education that results in understanding and the spread of knowledge

ANSWERS: 175. nevertheless, 176. hell, 177. bible, 178. stasis, 179. bible, 180. famine, 181. grueling, 182. zero-sum, 183. neat, 184. enlightenment

185. sense of pe_____sm *n.* a tendency to see the worst in things and anticipate adverse outcomes; a belief that the world is generally bad or that something will go wrong more often than it will go right
186. water va__r in the atmosphere *n.* a mass of tiny liquid drops in the air
187. theory of the un_____se *n.* everything that exists, especially all physical matter, including planets, stars, galaxies, and all other forms of matter and energy
188. h__l broke loose *n.* the place thought to be where bad people go and are punished after death, often depicted as being located beneath the earth; an extraordinarily unpleasant or difficult place
189. or____n of information *n.* the first existence or beginning of something
190. re_____e the order *v.* to change something's direction, order, position, decision, etc., to the opposite one; (adjective) directed or moving toward the rear
191. an_____or language *n.* a person from whom one is descended; a forefather
192. re_____ve factors *adj.* considered and evaluated through comparison with something else
193. at_____t customers *v.* to draw or entice someone or something towards them through the qualities they have, especially positive ones

ANSWERS: 185. pessimism, 186. vapor, 187. universe, 188. hell, 189. origin, 190. reverse, 191. ancestor, 192. relative, 193. attract

194. for in____ce *n.* a particular example or single occurrence of something
195. co___c background radiation *adj.* relating to the universe or cosmos; vast or limitless
196. alcohol va__r *n.* a mass of tiny liquid drops in the air
197. la____y mitigate the issue *adv.* virtually entirely; to a large degree
198. write him an answer imm_____ly *adv.* now or without delay
199. a n__t piece of work *adj.* clean or tidy, with everything in its place
200. hi_____hy of folders *n.* a system in which people or things are organized into different levels of importance from highest to lowest
201. nice c__p *n.* a crack in the skin, especially on the lips or hands, caused by dryness or cold weather; a man or boy; (verb) to crack, split, or roughen the skin, especially as a result of exposure to cold weather or wind
202. pr_____t the future *v.* to state beforehand that something will happen in the future, mainly based on knowledge or experience
203. vi_____y over terrorism *n.* success in a game, competition, election, or battle, or the knowledge that you have won
204. the pro_____ion of social media *n.* a rapid or uncontrolled increase in the number or amount of something; the process of growing, producing, or spreading rapidly and excessively

ANSWERS: 194. instance, 195. cosmic, 196. vapor, 197. largely, 198. immediately, 199. neat, 200. hierarchy, 201. chap, 202. predict, 203. victory, 204. proliferation

205. third-generation des_____nt *n.* children or offspring of a specific person, plant, or animal
206. a s___e counselor *n.* a very wise and experienced person; a small evergreen subshrub with flat and light green leaves that has a strong smell and are used as a culinary herb
207. accurately po_____y the condition *v.* to depict or describe someone or something in a painting, film, book, or other artistic work
208. 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
209. laws of ph_____s *n.* the science of matter and energy and their interactions
210. no___l effect *n.* an extended fictional work in prose; usually in the form of a story; (adjective) original and of a kind not seen before
211. ze_____um economics *adj.* referring to a situation in which an equal loss offsets each gain; describing a condition in which the total gains and losses balance to zero
212. a we___d dress *adj.* extraordinary, unexpected, or difficult to explain
213. the ul_____te luxury *adj.* furthest or highest in degree or order
214. sa_____y a desire *v.* to make somebody pleased by giving them what they want or need
215. v___e-chair of the committee *n.* wrongdoing or wicked behavior; (in the form of vice versa) with the order reversed; (as a prefix) someone with a job immediately below a particular person

ANSWERS: 205. descendant, 206. sage, 207. portray, 208. gravity, 209. physics, 210. novel, 211. zero-sum, 212. weird, 213. ultimate, 214. satisfy, 215. vice

216. keep working nev_____ess *adv.* in spite of that; yet
217. notable in_____ce *n.* a particular example or single occurrence of something
218. 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
219. la_____y accepted *adv.* virtually entirely; to a large degree
220. the hydrogen binds the ox____n *n.* the chemical element with the symbol O that is present in air and water and is necessary for people, animals, and plants to live
221. midst of ch__s *n.* a state of complete confusion or disorder, often characterized by a lack of predictability or control
222. cu__c meter *adj.* having the shape of a cube or being of three dimensions; measured in units that are the third power of a linear unit
223. mo_____le behavior *n.* a group of two or more atoms held together by attractive forces known as chemical bonds
224. con_____ly access information *adv.* in a way that happens without interruption or repeatedly
225. terrestrial bi_____re *n.* the part of the Earth and its atmosphere in which living organisms exist, including plants, animals, and microorganisms

ANSWERS: 216. nevertheless, 217. instance, 218. process, 219. largely, 220. oxygen, 221. chaos, 222. cubic, 223. molecule, 224. continually, 225. biosphere

226. barren of cr____ve spirit *adj.* relating to or involving the use of skill and original and unusual ideas to create something
227. a gr____l process *adj.* happening slowly over a long period of time or distance; not steep or abrupt
228. ut____y ignorant *adv.* completely or absolutely
229. gr____se project *adj.* impressive or grand in size, appearance, or manner, especially in an exaggerated or pompous way
230. eve____ly become obsolete *adv.* finally, particularly after a long time or a lot of struggle, complications, and so on
231. lar____le project *adj.* involving many people or things and involving a lot of change or activity
232. am____g advances *adj.* extremely surprising, especially in a way that you like or admire
233. the most am____g feeling *adj.* extremely surprising, especially in a way that you like or admire
234. an ob____te word *adj.* no longer in use or helpful because something newer or better has been invented and introduced
235. inc____ial details *adj.* of little or no importance or significance; trivial or negligible
236. de____e my position *v.* to state or explain precisely the nature, scope, or meaning of something
237. a g__m-featured man *adj.* looking or sounding very serious or gloomy
238. emotionally una____ed *adj.* not influenced or emotionally impacted by external factors or events; calm, composed, and emotionally stable

ANSWERS: 226. creative, 227. gradual, 228. utterly, 229. grandiose, 230. eventually, 231. large-scale, 232. amazing, 233. amazing, 234. obsolete, 235. inconsequential, 236. define, 237. grim, 238. unaffected

239. po____y feelings in words *v.* to depict or describe someone or something in a painting, film, book, or other artistic work
240. de____e us to meet again *v.* to determine or set the course of something in advance, often in a way that seems predetermined or inevitable; to specify or choose someone or something for a particular fate or outcome
241. a gr____ng campaign *adj.* extremely tiring or demanding great effort, especially with long duration or intensity
242. pr____cy fulfillment *n.* a statement or prediction that something will happen in the future, typically one made by a religious leader
243. 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
244. detailed exp____on *n.* the information or arguments that someone provides to make something understandable or clear
245. be de____ed to become a great artist *v.* to determine or set the course of something in advance, often in a way that seems predetermined or inevitable; to specify or choose someone or something for a particular fate or outcome

ANSWERS: 239. portray, 240. destine, 241. grueling, 242. prophecy, 243. process, 244. explanation, 245. destine

246. sh__d paper into little pieces *v.* to tear or cut something into a small pieces; (noun) a tiny or scarcely detectable amount
247. the surface of the co__t *n.* a celestial object consisting of a nucleus of ice and dust that goes around the sun
248. v__l instrument *n.* a stringed instrument, typically with six strings and frets, played with a bow, also called a viola da gamba
249. b__g his fist on a desk *v.* to hit or cause to hit something in a way that makes a loud noise
250. the m__h of an old religion *n.* an ancient story or set of stories accepted as history, especially explaining the worldview of a people
251. there is no other alt____ve *n.* one of two or more available possibilities or choice
252. religious do__a *n.* a belief or set of beliefs that the members of a group accept without being questioned or doubted
253. 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
254. tr____rm an education system *v.* to change in outward structure or looks;
255. a brief ex____t from the book *n.* a short passage taken from a book, piece of music, etc.; a substance obtained from something through a specific process; (verb) to obtain from something or to remove something by effort or force

ANSWERS: 246. shred, 247. comet, 248. viol, 249. bang, 250. myth, 251. alternative, 252. dogma, 253. planet, 254. transform, 255. extract

256. tr_____rm heat into power *v.* to change in outward structure or looks;
257. v__l music *n.* a stringed instrument, typically with six strings and frets, played with a bow, also called a viola da gamba
258. di____r from the majority *v.* to be not like someone or something in some way
259. a ch_____al compound *adj.* relating to or connected with chemistry;
260. the per_____ve of the battle *n.* a confident attitude toward something; a particular style of thinking about something
261. st____c electricity *adj.* not moving or not capable of moving, not changing or not capable of changing
262. they met acc_____lly *adv.* by chance or without planning
263. pr_____in the sequence of events *v.* to determine or decree something in advance; to believe or accept that an outcome is predetermined by a higher power or fate
264. ada_____on ability *n.* the action or process of changing to suit different conditions
265. mi_____d the enemy *v.* to cause someone to believe something that is not true
266. modern co_____gy *n.* the scientific study of the nature and origin of the universe
267. ine_____le force *adj.* describing a process or situation that is impossible to stop, prevent, or change; relentless, unyielding, or unstoppable in force or effect

ANSWERS: 256. transform, 257. viol, 258. differ, 259. chemical, 260. perspective, 261. static, 262. accidentally, 263. preordain, 264. adaptation, 265. mislead, 266. cosmology, 267. inexorable

268. a ra___m choice *adj.* made, done, or happening without method, conscious decision, or any regular pattern
269. sa_____y a user's needs *v.* to make somebody pleased by giving them what they want or need
270. des_____nt of a pioneer *n.* children or offspring of a specific person, plant, or animal
271. an ove_____ing victory *adj.* very great or intense; so powerful that you cannot fight or react against it
272. an explosive su_____ce *n.* the real physical material of which a thing or person consist; the most important or main part of some idea or experience; an illegal drug
273. c__p stick *n.* a crack in the skin, especially on the lips or hands, caused by dryness or cold weather; a man or boy; (verb) to crack, split, or roughen the skin, especially as a result of exposure to cold weather or wind
274. a peaceful la_____pe *n.* an expanse of scenery that can be seen in a single view; a large area of land, especially in the country and relating to its appearance
275. tec_____cal policy *adj.* based on scientific and industrial progress
276. at_____t attention *v.* to draw or entice someone or something towards them through the qualities they have, especially positive ones

ANSWERS: 268. random, 269. satisfy, 270. descendant, 271. overwhelming, 272. substance, 273. chap, 274. landscape, 275. technological, 276. attract

277. oxygenic pho_____sis *n.* the process through which plants and other organisms transform light energy into chemical energy, which is then released through cellular respiration to power the organism's activities.
278. botanical ex_____t *n.* a short passage taken from a book, piece of music, etc.; a substance obtained from something through a specific process; (verb) to obtain from something or to remove something by effort or force
279. una_____ed by weather *adj.* not influenced or emotionally impacted by external factors or events; calm, composed, and emotionally stable
280. an international tr__d *n.* a general direction in which something is changing or developing
281. de___t smuggling across borders *v.* to find or recognize something, especially something difficult to see, hear, etc.
282. lack of ox___n *n.* the chemical element with the symbol O that is present in air and water and is necessary for people, animals, and plants to live
283. dis_____ate amount *adj.* too large or too small when compared with something else, or not deserving its importance or influence
284. top of the hi_____hy *n.* a system in which people or things are organized into different levels of importance from highest to lowest
285. incredible th___l *n.* a feeling of extreme and sudden excitement and pleasure; to cause someone to feel sudden intense sensation or emotion

ANSWERS: 277. photosynthesis, 278. extract, 279. unaffected, 280. trend, 281. detect, 282. oxygen, 283. disproportionate, 284. hierarchy, 285. thrill

286. in____te relationship *adj.* having a very close friendship, personal
287. acc_____lly coincide *adv.* by chance or without planning
288. min_____ing discovery *adj.* extremely impressive in a way that affects someone's mind or emotions
289. perpetuate a m__h *n.* an ancient story or set of stories accepted as history, especially explaining the worldview of a people
290. global pa____ic *n.* an outbreak of a disease that affects many people over a very wide area
291. a s__e of long ago *n.* a very wise and experienced person; a small evergreen subshrub with flat and light green leaves that has a strong smell and are used as a culinary herb
292. the degree of pu____y *n.* the state of being undiluted or unmixed with anything else; the state of being free from immorality, especially of a sexual nature
293. pr_____in my future *v.* to determine or decree something in advance; to believe or accept that an outcome is predetermined by a higher power or fate
294. pr____cy of doom *n.* a statement or prediction that something will happen in the future, typically one made by a religious leader
295. historical no__l *n.* an extended fictional work in prose; usually in the form of a story; (adjective) original and of a kind not seen before
296. pre-Christian an____t *adj.* relating to the long ago, particularly the historical period preceding the fall of the Western Roman Empire; very old

ANSWERS: 286. intimate, 287. accidentally, 288. mind-blowing, 289. myth, 290. pandemic, 291. sage, 292. purity, 293. preordain, 294. prophecy, 295. novel, 296. ancient

297. severe ag__y *n.* extreme physical or mental pain or suffering, often prolonged or intense
298. pro_____on of disease *n.* the act or process of changing to the next stage or phase or moving forward
299. m__e acquaintance *adj.* used to emphasize how insignificant or minor someone or something is
300. su_____ce abuse problem *n.* the real physical material of which a thing or person consist; the most important or main part of some idea or experience; an illegal drug
301. the secret do__a *n.* a belief or set of beliefs that the members of a group accept without being questioned or doubted
302. a ge_____c disorder *adj.* of or relating to genes (= parts of the DNA in cells) or the science of genes
303. pes_____ic for our survival *adj.* tending to see the worst aspect of things or expecting the worst possible outcome
304. ast_____cal numbers *adj.* relating to astronomy or the study of celestial bodies and phenomena; very large or immense in scale or magnitude
305. exp_____ry variable *adj.* serving to explain or clarify; providing additional information or details to aid in understanding
306. expansion of the un_____se *n.* everything that exists, especially all physical matter, including planets, stars, galaxies, and all other forms of matter and energy
307. oxygen a__m *n.* the smallest unit of ordinary matter that forms a chemical element, composed of a nucleus and one or more electrons bound to the nucleus

ANSWERS: 297. agony, 298. progression, 299. mere, 300. substance, 301. dogma, 302. genetic, 303. pessimistic, 304. astronomical, 305. explanatory, 306. universe, 307. atom

308. sus_____le alternative fuel

adj. able to continue or be continued for a long time

ANSWERS: 308. sustainable

Session 3: Fill in the Blanks

1. Most countries prohibit sexual activity between certain close _____.
adj. considered and evaluated through comparison with something else
2. I will work hard to _____ my goals and realize my dreams.
v. to successfully complete a task or goal, often through hard work, perseverance, and dedication; to attain or accomplish something that one has set out to do
3. Buying new clothes every week is a _____ use of money and resources.
adj. characterized by excessive or unnecessary use or consumption; using resources or materials inefficiently or inappropriately, resulting in unnecessary waste or expense
4. The _____ bright tail could be seen in the night sky.
n. a celestial object consisting of a nucleus of ice and dust that goes around the sun
5. The roof finally _____ after three days and three nights of heavy snowfall.
v. to fall down or give way suddenly, often after breaking apart
6. In Europe, this tropical fruit is still a _____.
n. the quality of being new, attractive, and unusual
7. The security camera has _____ four intruders.
v. to find or recognize something, especially something difficult to see, hear, etc.
8. The company has made great strides in its _____ toward sustainability.
n. the act or process of changing to the next stage or phase or moving forward

ANSWERS: 1. relatives, 2. achieve, 3. wasteful, 4. comet's, 5. collapsed, 6. novelty, 7. detected, 8. progression

9. The professor's _____ notes helped the students understand the confusing lecture material.
adj. serving to explain or clarify; providing additional information or details to aid in understanding
10. The country experienced a _____ increase in population.
adj. happening slowly over a long period of time or distance; not steep or abrupt
11. It's intriguing to compare and _____ the two authors.
v. to put in opposition to show or emphasize differences
12. The CEO's constant _____ about the company's future affected employee morale.
n. a tendency to see the worst in things and anticipate adverse outcomes; a belief that the world is generally bad or that something will go wrong more often than it will go right
13. To advance this discussion, we must _____ "success" rigorously.
v. to state or explain precisely the nature, scope, or meaning of something
14. Scientists are studying the composition and origins of the _____ belt to understand the early solar system better.
n. a small rocky body orbiting the sun, typically in the region between Mars and Jupiter
15. Higher _____ requires additional equipment and energy.
n. the state of being undiluted or unmixed with anything else; the state of being free from immorality, especially of a sexual nature
16. She has taken a step up in the organizational _____.
n. a system in which people or things are organized into different levels of importance from highest to lowest

ANSWERS: 9. explanatory, 10. gradual, 11. contrast, 12. pessimism, 13. define, 14. asteroid, 15. purity, 16. hierarchy

17. _____ advances have disrupted many industries.
adj. based on scientific and industrial progress
18. In the _____ meeting, the team discussed ways to improve productivity.
adj. happening or occurring later or after something else
19. She was unduly _____ about her future.
adj. tending to see the worst aspect of things or expecting the worst possible outcome
20. My father's death _____ my life completely.
v. to change in outward structure or looks;
21. This big gate is _____ to the small hut.
adj. too large or too small when compared with something else, or not deserving its importance or influence
22. The battlefield became _____ on earth.
n. the place thought to be where bad people go and are punished after death, often depicted as being located beneath the earth; an extraordinarily unpleasant or difficult place
23. The mathematical formula was _____ to most of the students.
adj. impossible to understand or explain; not able to be grasped or comprehended
24. A _____ audience viewed the broadcast.
adj. enormous in size, number, amount, or quantity
25. Advocates for legal reform hear less harsh words from their _____.
n. someone who expresses opinions about the quality of books, music, etc.

ANSWERS: 17. Technological, 18. subsequent, 19. pessimistic, 20. transformed, 21. disproportionate, 22. hell, 23. incomprehensible, 24. vast, 25. critics

26. For most people, living in a quiet suburb is _____ to living in a busy city.

adj. more desirable or suitable than another option; more favored or favored over something else; better or more advantageous

27. She was tired and hungry, but _____ she persevered.

adv. in spite of that; yet

28. He looked out the window at the _____ stream of people.

adj. having no end or conclusion; infinitely very large in size or amount

29. Recent electoral shocks have shaken the political _____ in Europe.

n. an expanse of scenery that can be seen in a single view; a large area of land, especially in the country and relating to its appearance

30. All the supervisor has to do is assign tasks that make his subordinates more _____.

adj. relating to or involving the use of skill and original and unusual ideas to create something

31. The corporation _____ dominated the entire tobacco business.

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

32. My father tried to _____ mathematics into my head since childhood.

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

33. Our troops pulled back to _____ the enemy.

v. to cause someone to believe something that is not true

ANSWERS: 26. preferable, 27. nevertheless, 28. endless, 29. landscape, 30. creative, 31. eventually, 32. bang, 33. mislead

34. Her tongue runs on _____.

adv. in a way that happens without interruption or repeatedly

35. He tried to _____ his experience to the group, but they couldn't understand.

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

36. Clouds form when water _____ rises to the upper atmosphere.

n. a mass of tiny liquid drops in the air

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

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

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

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

40. Students have loved this textbook for many years as a biology _____.

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

ANSWERS: 34. continually, 35. relate, 36. vapor, 37. ancient, 38. thermodynamics, 39. frustrate, 40. bible

41. In _____ plants use carbon dioxide to feed themselves.
n. the process through which plants and other organisms transform light energy into chemical energy, which is then released through cellular respiration to power the organism's activities.
42. 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
43. 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
44. The following _____ is currently being used to explain the phenomenon in question.
n. the information or arguments that someone provides to make something understandable or clear
45. The CEO's _____ was a competing business that refused to go out of business.
n. an archenemy, opponent, or rival who is often seen as a personification of retribution or divine justice; a downfall or undoing that is a consequence of one's actions
46. The patient's _____ in the hospital was concerning to the doctors.
n. a state of stillness or immobility, often used in a medical context to refer to a lack of change or progress in a condition or disease
47. The result presented a _____ picture of inefficiency and corruption.
adj. looking or sounding very serious or gloomy

ANSWERS: 41. photosynthesis, 42. entropy, 43. genetic, 44. explanation, 45. nemesis, 46. stasis, 47. grim

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

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

49. Ghosts in folk _____ are almost always malicious.

- n.* a story made up in someone's imagination, especially one full of action and adventure

50. Some people believe that we are all _____ for greatness.

- v.* to determine or set the course of something in advance, often in a way that seems predetermined or inevitable; to specify or choose someone or something for a particular fate or outcome

51. Cats hate dogs and _____ versa.

- n.* wrongdoing or wicked behavior; (in the form of vice versa) with the order reversed; (as a prefix) someone with a job immediately below a particular person

52. The _____ of the argument was well-presented.

- n.* the real physical material of which a thing or person consist; the most important or main part of some idea or experience; an illegal drug

53. All members strictly followed the _____ of the organization.

- n.* a belief or set of beliefs that the members of a group accept without being questioned or doubted

54. He studied the _____ of radiation.

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

55. It's notoriously challenging to _____ birth rates.

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

ANSWERS: 48. galaxy, 49. tales, 50. destined, 51. vice, 52. substance, 53. dogma, 54. physics, 55. predict

56. 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

57. The oil price continued their downward _____.

- n.* a general direction in which something is changing or developing

58. The kids used colored _____ to create a mural on the pavement.

- n.* a soft, white, porous sedimentary rock composed of calcium carbonate, often used for drawing or writing on surfaces such as blackboards

59. The _____ in the movie was a complex character with a tragic backstory.

- n.* a character in a story, movie, or play which often opposes the hero, typically characterized as immoral, evil, or cruel

60. The fortune teller's _____ that I would meet my soulmate next year has yet to come true.

- n.* a statement or prediction that something will happen in the future, typically one made by a religious leader

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

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

62. The political landscape looks _____ without a change of administration.

- adj.* unlikely to be favorable; unpleasantly cold and damp; offering little or no hope

63. The marathon was a _____ test of endurance.

- adj.* extremely tiring or demanding great effort, especially with long duration or intensity

ANSWERS: 56. planet, 57. trend, 58. chalk, 59. villain, 60. prophecy, 61. Cosmic, 62. bleak, 63. grueling

64. Nevada is _____ a desert state.

adv. virtually entirely; to a large degree

65. This artwork is _____ of her work.

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

66. The shape of the DNA _____ is a double helix.

n. a group of two or more atoms held together by attractive forces known as chemical bonds

67. Corruption is an _____ act for any reason.

adj. profoundly immoral, cruel, and wicked; having or exerting a harmful effect on people

68. He was _____ killed by friendly fire.

adv. by chance or without planning

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

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

70. Those warriors' _____ are still skilled archers.

n. children or offspring of a specific person, plant, or animal

71. The firm has grown into a large _____ manufacturing.

adj. relating to or connected with chemistry;

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

adv. completely or absolutely

ANSWERS: 64. largely, 65. typical, 66. molecule, 67. evil, 68. accidentally, 69. atom, 70. descendants, 71. chemical, 72. utterly

73. He has an _____ knowledge of American history.

adj. having a very close friendship, personal

74. They study the _____ of the universe.

n. a gradual process of transformation of living things

75. We are optimistic about our final _____.

n. success in a game, competition, election, or battle, or the knowledge that you have won

76. The _____ player was rehearsing for an upcoming concert.

n. a stringed instrument, typically with six strings and frets, played with a bow, also called a viola da gamba

77. His _____ determination to succeed made him a force to be reckoned with.

adj. describing a process or situation that is impossible to stop, prevent, or change; relentless, unyielding, or unstoppable in force or effect

78. The _____ ancient civilization's disappearance remains unsolved.

adj. difficult to understand or explain; mysterious or puzzling

79. In some sports, such as tennis, the competition is a _____ game, with only one player able to win each match.

adj. referring to a situation in which an equal loss offsets each gain; describing a condition in which the total gains and losses balance to zero

80. The _____ has largely gotten positive feedback.

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

ANSWERS: 73. intimate, 74. evolution, 75. victory, 76. viol, 77. inexorable, 78. enigmatic, 79. zero-sum, 80. novel

81. To find drunk drivers, police conduct _____ tests.

adj. made, done, or happening without method, conscious decision, or any regular pattern

82. She has _____ habits.

adj. clean or tidy, with everything in its place

83. In junior high school, we had to dissect a frog in _____ class.

n. the scientific study of life and the natural processes of living things

84. The _____ by the citizen resulted in a redistribution of wealth.

n. a large-scale attempt to overthrow the government of a country, often using violence or war;

85. They fear a _____ of a new type of virus.

n. an outbreak of a disease that affects many people over a very wide area

86. He drinks an _____ amount of beer.

adj. beyond belief or understanding and extremely surprising

87. The restaurant _____ a ban on smoking.

v. to change something's direction, order, position, decision, etc., to the opposite one; (adjective) directed or moving toward the rear

88. _____ evolved from people's philosophical questions about the natural world.

n. the scientific study of the nature and origin of the universe

89. He liked the car because of the _____ of the design.

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

ANSWERS: 81. random, 82. neat, 83. biology, 84. revolution, 85. pandemic, 86. unbelievable, 87. reversed, 88. Cosmology, 89. simplicity

90. On the geological time scale, _____ has existed for a brief moment.

n. the whole of the living human inhabitants of the earth

91. 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

92. The picture earned near-_____ acclaim from critics.

adj. existing or affecting everywhere or everyone

93. The mistake was _____ and did not significantly impact the outcome.

adj. of little or no importance or significance; trivial or negligible

94. Despite the chaos around her, she remained _____ and focused.

adj. not influenced or emotionally impacted by external factors or events; calm, composed, and emotionally stable

95. The company's _____ approach has been highly effective.

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

96. The building was _____ in the fire and had to be rebuilt.

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

97. Skydiving is an overwhelming _____ for many people.

n. a feeling of extreme and sudden excitement and pleasure; to cause someone to feel sudden intense sensation or emotion

ANSWERS: 90. humankind, 91. buck, 92. universal, 93. inconsequential, 94. unaffected, 95. adaptation, 96. destroyed, 97. thrill

98. The package was a _____ shape, which made it easier to stack on the shelf.
adj. having the shape of a cube or being of three dimensions; measured in units that are the third power of a linear unit
99. My computer has been acting _____ recently.
adj. extraordinary, unexpected, or difficult to explain
100. The _____ mansion was a testament to the family's wealth and status.
adj. impressive or grand in size, appearance, or manner, especially in an exaggerated or pompous way
101. The recent economic downturn has resulted in _____ layoffs.
adj. enormous amount; very heavy and solid
102. 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
103. Did this response _____ your request?
v. to make somebody pleased by giving them what they want or need
104. The paleontologist used the principles of _____ to infer the behaviors of dinosaurs based on current fossil evidence.
n. the act of explaining or interpreting past events, often based on current knowledge or understanding, essentially the opposite of prediction
105. He _____ pieces of rope out of straw.
v. to bend or turn something into a certain shape

ANSWERS: 98. cubic, 99. weird, 100. grandiose, 101. massive, 102. gravity, 103. satisfy, 104. retrodiction, 105. twisted

106. The pond's _____ was around five feet.

n. the distance between the top and bottom of something; between the top surface and a distance below it

107. Anesthetize the gum before _____ the teeth.

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

108. Management must take _____ responsibility for the accident.

adj. furthest or highest in degree or order

109. He made me feel small and _____.

adj. of little importance, influence, or power

110. He finally brought his _____ to perfection.

n. education that results in understanding and the spread of knowledge

111. He was famous for his _____ advice to younger entrepreneurs.

n. a very wise and experienced person; a small evergreen subshrub with flat and light green leaves that has a strong smell and are used as a culinary herb

112. These articles cite five _____ of climate change.

n. a particular example or single occurrence of something

113. Each chapter _____ the most critical issues.

v. to give a brief statement of the most important facts or ideas about something

114. The _____ of the assembly line work made the days feel very long.

n. a situation in which something unchanging and boring

ANSWERS: 106. depth, 107. extracting, 108. ultimate, 109. insignificant, 110. enlightenment, 111. sage, 112. instances, 113. summarizes, 114. monotony

115. The witness's testimony was _____ based on what he had seen and heard.

adv. believed to be true or likely based on the available evidence, or supposed to be the case without definite proof

116. The _____ of fast-food restaurants has contributed to the obesity epidemic.

n. a rapid or uncontrolled increase in the number or amount of something; the process of growing, producing, or spreading rapidly and excessively

117. The robot can accurately _____ construction material.

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

118. New technology has rendered my old smartphone _____.

adj. no longer in use or helpful because something newer or better has been invented and introduced

119. The old oak tree stood with _____ and majesty in the park's center.

n. a quality of being pleasing, especially in appearance or manner; a temporary exemption, especially an extended period granted as a special favor; a short prayer of thanks before a meal

120. 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

121. The conference room was in _____ as everyone tried to speak at once.

n. a state of complete confusion or disorder, often characterized by a lack of predictability or control

ANSWERS: 115. presumably, 116. proliferation, 117. locate, 118. obsolete, 119. grace, 120. biosphere, 121. chaos

122. The government should do more to support environmentally _____ agriculture.

adj. able to continue or be continued for a long time

123. The _____ is about 13.8 billion years old.

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

124. With the financial bubble bursting, the _____ of economic growth in investment banking collapsed.

n. an ancient story or set of stories accepted as history, especially explaining the worldview of a people

125. The severe _____ caused by the drought has left many people without food.

n. a severe shortage of food, often caused by drought, war, or economic reasons

126. There are various hypotheses concerning the _____ of life.

n. the first existence or beginning of something

127. These economic activities had disastrous environmental _____.

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

128. A suspension order from the court is effective _____.

adv. now or without delay

129. He suffered a painful _____ on his hand after working with chemicals.

n. a crack in the skin, especially on the lips or hands, caused by dryness or cold weather; a man or boy; (verb) to crack, split, or roughen the skin, especially as a result of exposure to cold weather or wind

ANSWERS: 122. sustainable, 123. universe, 124. myth, 125. famine, 126. origin, 127. consequences, 128. immediately, 129. chap

130. In several countries, child _____ is a serious social problem.

- n.* productive work, especially physical work done for wages; the people who do manual or physical work in a country or company for wage; (verb) to work hard or to strive and make an effort to reach a goal

131. The passenger grabbed for the _____ mask.

- n.* the chemical element with the symbol O that is present in air and water and is necessary for people, animals, and plants to live

132. The abolition of _____ in the United States was a major achievement in the fight for human rights.

- n.* the practice or system of owning, buying, and selling people as property and forcing them to work

133. His father's death changed his whole _____ on life.

- n.* a confident attitude toward something; a particular style of thinking about something

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

- adj.* without life; dead

135. Some people believe that a higher power _____ everything that happens in life.

- v.* to determine or decree something in advance; to believe or accept that an outcome is predetermined by a higher power or fate

136. The _____ effects of the psychedelic drug were unlike anything he had ever experienced.

- adj.* extremely impressive in a way that affects someone's mind or emotions

ANSWERS: 130. labor, 131. oxygen, 132. slavery, 133. perspective, 134. lifeless, 135. preordains, 136. mind-blowing

137. The athlete fell to the ground in _____ after injuring their ankle.

n. extreme physical or mental pain or suffering, often prolonged or intense

138. There is not a _____ of evidence that he is guilty.

v. to tear or cut something into a small pieces; (noun) a tiny or scarcely detectable amount

139. The city became a _____ during the war.

n. a place where a battle is fought

140. The government is eager to _____ international investment.

v. to draw or entice someone or something towards them through the qualities they have, especially positive ones

141. He and I often had _____ not only in personality but also in ideology.

n. a strong disagreement, argument, or a violent clash between two opposing groups or individuals

142. 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

143. The _____ image on the screen took a lot of work to make out.

adj. not moving or not capable of moving, not changing or not capable of changing

144. Doctors are gradually coming around to the idea of using _____ medicines.

n. one of two or more available possibilities or choice

ANSWERS: 137. agony, 138. shred, 139. battleground, 140. attract, 141. conflicts, 142. process, 143. static, 144. alternative

145. The two products _____ in their quality and price.

v. to be not like someone or something in some way

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

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

147. _____ music has gained different followers from existing music.

adj. belonging to the same or present time

148. The golfer recorded an _____ distance.

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

149. We often _____ political problems as religious issues.

v. to depict or describe someone or something in a painting, film, book, or other artistic work

150. He has shown signs of uneasiness and _____ worry.

adj. very great or intense; so powerful that you cannot fight or react against it

151. My remote _____ immigrated to the United States from Ireland in the 1800s.

n. a person from whom one is descended; a forefather

152. He lost the election by _____ votes.

adj. used to emphasize how insignificant or minor someone or something is

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

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

ANSWERS: 145. differed, 146. astronomical, 147. Contemporary, 148. amazing, 149. portray, 150. overwhelming, 151. ancestor, 152. mere, 153. large-scale

154. The older man _____ from arthritis and finds it difficult to move around.

- v. to experience pain, distress, or hardship; to undergo or endure something painful or unpleasant

ANSWERS: 154. suffers