

# Englist.me



## Vocabulary Builder Reference from...

Brian Greene: Is our universe the only universe? |

TED Talk

[https://www.ted.com/talks/brian\\_greene\\_is\\_our\\_universe\\_the\\_only\\_universe](https://www.ted.com/talks/brian_greene_is_our_universe_the_only_universe)

### All Words

#### IMPORTANT

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## Session 1: Word List

### physics

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

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

He studied the **physics** of radiation.

### award

*n.* a prize or other mark of recognition given in honor of an achievement

*synonym*: prize, honor, accolade

(1) **award** ceremony, (2) participation **award**

He won the **award** for best actor at the film festival.

### astronomer

*n.* a physicist who studies astronomy

*synonym*: stargazer, cosmologist, astrophysicist

(1) amateur **astronomer**, (2) solar **astronomer**

This question has fascinated solar **astronomers** for decades.

### discovery

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

*synonym*: finding, uncovering, detection

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

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

- hail**
- v.* to call out to someone to get their attention, often from a distance; to greet or welcome someone, especially with enthusiasm or admiration; (noun) precipitation in the form of small balls or lumps of ice that fall from the sky
- synonym* : greet, salute, welcome
- (1) **hail** the victorious team with cheers, (2) **hail** forecast
- People in the area were forced to **hail** a taxi due to the lack of public transportation options.
- 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.
- observation**
- n.* the act or activity of carefully examining or monitoring something or someone
- synonym* : watching, notice, reflection
- (1) class **observation** day, (2) **observation** instrument
- In the hospital, she will remain under constant **observation**.
- controversial**
- adj.* causing a lot of hot public discussion and dispute
- synonym* : contentious, disputed, questionable
- (1) **controversial** book, (2) **controversial** policy
- The issue of the death penalty is highly **controversial**.
- framework**
- n.* the structural components of a building or object that support its weight and give it form; the underlying structure of a system, concept, or text
- synonym* : structure, scheme, foundation
- (1) legal **framework**, (2) the **framework** of a house
- He devised a new analytical **framework** to capture the phenomenon.

## possibility

*n.* a chance that something may happen or be true  
*synonym*: chance, prospect, likelihood

(1) **possibility** for growth, (2) **possibility** of a major earthquake

The **possibility** of getting the disease will drastically increase.

## distant

*adj.* far away in space, time, or where you are; far apart in relevance, relationship, or kinship

*synonym*: far, isolated, remote

(1) a **distant** memory, (2) **distant** ancestors

The sun set over the crest of **distant** hills.

## 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.

## 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.

## 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.

## complexity

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

*synonym*: intricacy, sophistication, elaboration

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

The project's **complexity** made it difficult for the team to

complete it on time.

## **multiverse**

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

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

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

## **forethought**

*n.* the act of thinking about and planning for the future

*synonym*: planning, preparation, anticipation

(1) without **forethought** and planning, (2) **forethought** in decision making

He brought a map and compass with **forethought** in case he got lost on the hike.

## **anomalous**

*adj.* deviating from what is standard or expected; unexpected or unusual in a way that is difficult to explain

*synonym*: unusual, peculiar, abnormal

(1) **anomalous** behavior, (2) **anomalous** result

The data from the study was **anomalous** and unexpected.

## **upbringing**

*n.* the conditions and experiences in which a child is cared for and taught, especially in relation to their moral and social development

*synonym*: childhood, background, nurturing

(1) Catholic **upbringing**, (2) family **upbringing**

His strict **upbringing** instilled in him a strong sense of responsibility.

## **realm**

*n.* a domain of activity, interest, or knowledge

*synonym*: domain, empire, kingdom

(1) public **realm**, (2) beyond the **realm** of possibility

Her passions are in the **realm** of real-world political affairs.

## separate

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

*synonym*: disunite, isolate, ramify

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

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

## fundamental

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

*synonym*: basic, essential, entire

(1) **fundamental** education, (2) **fundamental** rights

Human behavior has **fundamental** characteristics.

## feat

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

*synonym*: achievement, accomplishment, exploit

(1) intellectual **feat**, (2) **feat** accomplishment

It is an incredible **feat** to climb Mount Everest, the highest mountain in the world.

## speculate

v. to form a theory or conjecture or guess about a subject without solid evidence

*synonym*: assume, conjecture, infer

(1) **speculate** about the reason, (2) **speculate** on the outcome

He **speculated** that this investment would lead to success.

## aim

v. to try or plan to get or achieve something

*synonym*: aspire, direct, target

(1) **aim** at a specific target, (2) **aim** to be a nurse

We **aim** for an overseas expansion.

## convince

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

*synonym*: persuade, win over, convert

(1) **convince** her to go with us, (2) **convince** an opponent

I am considering what I should do to **convince** him.

## highlight

*v.* to make something prominent, mainly so that people give it more attention

*synonym*: feature, emphasize, stress

(1) **highlight** a string in red, (2) **highlight** an important difference

The introduction **highlighted** the speaker's distinguished career as a consultant

## profound

*adj.* extremely great; sensed or experienced very strongly; displaying a high level of knowledge or comprehension

*synonym*: deep, unsounded, far-reaching

(1) a **profound** book, (2) the **profound** depths of the sea

My mother's illness had a **profound** impact on us all.

## mystery

*n.* something difficult to understand or explain; a secret or enigmatic quality that adds to the fascination or interest of something; a genre of fiction that involves the solution of a crime or a puzzle

*synonym*: enigma, puzzle, secret

(1) **mystery** novel, (2) unsolved **mystery**

The **mystery** surrounding the disappearance of the traveler has yet to be solved by authorities.

## rev

*n.* a measure of the rate at which an engine or motor rotates, often expressed in revolutions per minute (RPM); (verb) to increase the number of rotations per minute

*synonym*: revolution, RPM, speed

(1) low- **rev** engine, (2) **rev** up the crowd

He stepped on the gas pedal, and the engine released a loud **rev**.

## string

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

*synonym*: line, wire, rope

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

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

## 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.

## inflation

*n.* a general and progressive increase in prices; (cosmology) a theory of the exponential expansion of space in the early universe; the act of filling something with air

*synonym*: increase, swelling, boom

(1) **inflation** control, (2) global **inflation**

Investment in index funds can often be a hedge against **inflation**.

## stretch

*v.* to make or be capable of making anything longer or broader without hurting or breaking

*synonym*: lengthen, prolong, extend

(1) **stretch** along the coast, (2) **stretch** a story

Some herds have been observed to **stretch** hundreds of kilometers.

## expand

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

*synonym*: extend, grow, boost

(1) **expand** a lineup, (2) **expand** agricultural output

They hope to **expand** their business worldwide.

## revolutionary

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

*synonym*: radical, innovative, groundbreaking

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

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

## prevailing

*adj.* most frequent, widespread, or currently dominant, usually referring to a particular opinion, attitude, or trend

*synonym*: dominant, prevalent, current

(1) **prevailing** wind, (2) **prevailing** trend

The **prevailing** opinion was that the project would be a success.

## wisdom

*n.* the quality of being wise, or the ability to use your knowledge and experience to make sensible decisions

*synonym*: sagacity, discernment, insight

(1) a fountain of **wisdom**, (2) **wisdom** literature

The community greatly respected and sought after the older adult's **wisdom**.

## 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.

## expansion

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

*synonym*: growth, enlargement, development

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

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

## gravitational

*adj.* relating to or caused by gravity (= the force that attracts objects towards one another)

*synonym*: weighty, heavy, earthbound

(1) **gravitational** energy, (2) **gravitational** waves

The **gravitational** force of the black hole was so strong that



nothing, not even light, could escape.

## ascent

*n.* the act of climbing or moving upwards, often referring to a physical ascent of a mountain or a spiritual ascent or improvement; an upward movement; the process of moving upwards

*synonym* : climb, rise, hike

(1) spiritual **ascent**, (2) the **ascent** of a rocket

The hikers experienced a difficult **ascent** to the summit due to the steep and rocky terrain.

## toss

*v.* to throw something carelessly with a light motion

*synonym* : throw, sway

(1) **toss** a coin, (2) **toss** the bottle into a trash can

It would be best if you **tossed** out all those old magazines.

## upward

*adv.* toward the top or highest point, or a higher position or level; (adjective) extending or moving toward a higher place

*synonym* : skyward, uphill

(1) look **upward**, (2) demonstrate an **upward** trend

The company adjusted the revenue **upward**.

## fast-forward

*v.* to advance or move forward in time or progress, particularly in a rapid or accelerated manner; to increase the playback speed of a recording

*synonym* : advance, hasten, speed up

(1) **fast-forward** 10 seconds, (2) **fast-forward** to the good part

I like to **fast-forward** through commercials when watching TV shows.

## mention

*v.* to speak or write about something or someone briefly

*synonym* : reference, allude, cite

(1) **mention** name, (2) **mention** in a report

I **mentioned** to him that I had seen his sister at the grocery store earlier that day.

## outset

*n.* the beginning of something

*synonym*: beginning, start, initiation

(1) month's **outset**, (2) the **outset** of the crisis

At the **outset** of the project, we encountered several obstacles.

## inspire

*v.* to make somebody fill with the desire, confidence, or enthusiasm, especially to do something creative

*synonym*: boost, encourage, enlighten

(1) **inspire** a feeling of curiosity, (2) **inspire** him to write a novel

The unique style of this martial arts **inspired** many action film producers.

## painstaking

*adj.* cautious and correct, and requiring a significant amount of effort

*synonym*: detailed, meticulous, conscientious

(1) **painstaking** research, (2) a **painstaking** student

The training of a hawk was a **painstaking** process.

## numerous

*adj.* amounting to a large indefinite number

*synonym*: many, considerable, countless

(1) **numerous** countries, (2) as **numerous** as the sand

These descriptions are based on a number of **numerous** assumptions.

## chart

*n.* a visual display of information such as a diagram, lists of figures, etc.; a map designed to assist navigation by air or sea

*synonym*: diagram, graph, map

(1) a weather **chart**, (2) a statistical **chart**

This pie **chart** represents our market share.

## similarly

*adv.* in almost the same way

*synonym*: also, likewise, ditto

(1) **similarly** situated, (2) have **similarly** great abilities

We argue that wages for temporary workers should **similarly** rise.

## deserve

*v.* to be worthy of or entitled to something, especially something good or valuable

*synonym* : merit, earn, justify

(1) **deserve** respect, (2) **deserve** this prize

The employee **deserved** the promotion for their hard work and dedication.

## analogous

*adj.* similar or equivalent in some respects, typically as a result of functioning in a similar way

*synonym* : similar, comparable, equivalent

(1) **analogous** fashion, (2) entirely **analogous**

The human heart is **analogous** to a pump in a plumbing system.

## quicken

*v.* to make or become faster or more rapid; to accelerate or speed up; to stimulate or stimulate something to happen or occur more quickly

*synonym* : accelerate, hasten, speed up

(1) **quicken** the process, (2) **quicken** heart rate

I need to **quicken** my pace to finish this project on time.

## gravity

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

*synonym* : heaviness, attraction, weight

(1) the attraction of **gravity**, (2) preserve my **gravity**

The astronaut felt weightless in space due to the absence of **gravity**.

## relative

*adj.* considered and evaluated through comparison with something else

*synonym* : comparative, proximate, congeneric

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

Most countries prohibit sexual activity between certain close

### relatives.

#### mathematics

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

*synonym*: arithmetic, calculation, calculus

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

He has a flair for **mathematics**.

#### uniform

*adj.* always the same; showing a single form or character in all occurrences; (noun) the special set of clothes worn by members of a particular group as a means of identification

*synonym*: livery, outfit

(1) at a **uniform** temperature, (2) our school **uniform**

This country has a nationally **uniform** culture.

#### invisible

*adj.* impossible or nearly impossible to see

*synonym*: hidden, imperceptible, unseen

(1) an **invisible** asset, (2) **invisible** stars

The phenomenon is **invisible** at optical wavelengths.

#### mist

*n.* a cloud of very small drops of water collecting in the air just above the ground or water

*synonym*: fog, murk, haze

(1) **mist** in the morning, (2) fine **mist**

The sun has risen, and the **mist** has faded.

#### repulsive

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

*synonym*: disgusting, revolting, repugnant

(1) **repulsive** smell, (2) **repulsive** act

The politician's rhetoric was so **repulsive** that many people refused to vote for him.

#### represent

*v.* to speak, act, or be present on behalf of another person or group; to form or constitute

*synonym* : depict, express, describe

(1) **represent** by a diagram, (2) the characters that **represent** numbers

We elected him to **represent** us at the international conference.

## 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.

## infuse

*v.* to fill something with a particular quality, feeling, or influence; to imbue

*synonym* : instill, fill, permeate

(1) **infuse** with spirit, (2) **infuse** life with meaning

She **infused** fresh herbs into the soup for added flavor.

## 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.

## relevance

*n.* the state or degree of being closely connected or appropriate to the matter at hand

*synonym* : pertinence, applicability, connection

(1) have no **relevance**, (2) **relevance** category

The **relevance** of this information to the current situation needs to be investigated.

## spectacular

*adj.* striking or impressive to look at or in performance or achievement

*synonym* : breathtaking, impressive, grand

(1) **spectacular** view, (2) achieve **spectacular** growth  
The **spectacular** fireworks display was the highlight of the festival.

## peculiar

*adj.* odd and uncommon, sometimes in an unpleasant way  
*synonym*: bizarre, abnormal, odd

(1) **peculiar** way, (2) **peculiar** people  
The juice has a **peculiar** taste.

## emerge

*v.* to move out of or away from something and become visible

*synonym*: arise, occur, appear

(1) **emerge** as a butterfly, (2) **emerge** from poverty  
During colonial eras, new migratory patterns **emerged**.

## uncharted

*adj.* not mapped or surveyed; unknown or unexplored; without a clear or definite course of action

*synonym*: unknown, unexplored, undiscovered

(1) **uncharted** wilderness, (2) **uncharted** waters  
The explorer ventured into **uncharted** territory, not knowing what to expect.

## headway

*n.* forward movement or progress made despite obstacles or resistance; clearance or space in which to move forward

*synonym*: progress, advancement, improvement

(1) lack of **headway**, (2) gain **headway**  
We are making **headway** in our research and hope to have some significant findings soon.

## invoke

*v.* to call upon or request help or support, especially from a higher power; to mention or use something as a reason or justification for actions or decisions

*synonym*: evoke, summon, call forth

(1) **invoke** memories, (2) **invoke** the right to remain silent  
The politician **invoked** the name of the founding fathers in his

speech.

### naturally

*adv.* as might be expected; by natural manners

*synonym*: by nature, inherently, intrinsically

(1) **naturally** arising, (2) **naturally** regenerated forest  
He was **naturally** gifted.

### overarch

*v.* to be central or dominant; to form an arch over

(1) **overarched** the road, (2) **overarch** the stream  
This scene **overarches** the entire first act.

### straightforward

*adj.* easy to do or understand, or simple; free from ambiguity

*synonym*: honest, candid, forthright

(1) **straightforward** manner, (2) make a **straightforward** dash

The defendant gave a **straightforward** and accurate description of the accident.

### examine

*v.* to study or consider a person or object attentively and thoroughly to learn something about them

*synonym*: study, probe, analyze

(1) **examine** the data studiously, (2) **examine** the issue  
Initially, we must **examine** all project-related expenses.

### 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.

### 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.

## atomic

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

*synonym*: tiny, microscopic, nuclear

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

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

## particle

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

*synonym*: atom, grain, bit

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

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

## probe

*n.* a tool used for testing or examining, especially for medical or scientific purposes, or an exploratory mission to a planet or other celestial body; (verb) to investigate, examine, or search into something

*synonym*: investigation, inquiry, examination

(1) a lunar **probe**, (2) **probe** for inside information

NASA sent a **probe** to study the atmosphere of Jupiter.

## vibrate

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

*synonym*: oscillate, convulse, jerk

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

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

## filament

*n.* a thin wire or thread, especially one used to produce light in an electric bulb

*synonym*: fiber, thread, filament

(1) **filament** lamp, (2) carbon **filament**

The **filament** in the light bulb burned out, and now it's not working.

## violin

*n.* a four-stringed wooden musical instrument held against the neck and played by passing a bow across the strings



*synonym* : fiddle

(1) **violin** soloist, (2) play the **violin**

The cello is a member of the **violin** family.

## electron

*n.* a tiny particle with the negative electrical charge

*synonym* : negatron

(1) flow of **electrons**, (2) beam of **electrons**

The outermost **electron** shell determines the chemical properties of an atom.

## quark

*n.* a type of elementary particle and a fundamental constituent of matter that make up the heavier elementary particles, such as protons, neutrons, etc.; fresh unripened cheese of a smooth texture made from pasteurized milk, a starter, and rennet

(1) **quark** physics, (2) the antiparticle of a **quark**

The Big Bang theory states that **quark-gluon** plasma filled the entire universe before matter as we know it was created.

## neutrino

*n.* a very small and electrically neutral particle with a very small mass that rarely reacts with other matter

(1) **neutrino** capture, (2) sterile **neutrinos**

This laboratory has a pool consisting of thousands of **neutrino** detectors.

## photon

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

*synonym* : particle, quantum, light

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

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

## compelling

*adj.* arousing strong and irresistible interest, attention, or admiration

*synonym* : tempting, captivating, influential

(1) tell a **compelling** story, (2) new and **compelling**

evidence

His **compelling** presentation deeply moved everyone.

## symphony

*n.* a long musical composition in Western classical music for orchestra, usually with three or four main parts called movements

*synonym*: orchestra, harmony, concert

(1) a **symphony** orchestra, (2) a beautiful **symphony**

The frequent performances of the **symphony** prove its popularity.

## elegant

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

*synonym*: refined, sophisticated, graceful

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

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

## internal

*adj.* of or relating to the inside of something

*synonym*: interior, inner, domestic

(1) **internal** organs, (2) the **internal** economy

The prime minister canceled visits to other countries to resolve **internal** disputes.

## inconsistent

*adj.* not remaining constant or in agreement

*synonym*: conflicting, discrepant, contrary

(1) **inconsistent** results, (2) **inconsistent** with the roadmap

This lawsuit appears to be unfair and **inconsistent**.

## wholly

*adv.* completely, entirely, or altogether; without exception or reservation

*synonym*: completely, entirely, totally

(1) **wholly** inadequate, (2) **wholly** healthy food

I am **wholly** committed to this project and will work hard to bring it to fruition.

## unfamiliar

*adj.* not known or recognized; not experienced or encountered before

*synonym*: unknown, strange, foreign

(1) the **unfamiliar** surroundings, (2) around **unfamiliar** people

She was **unfamiliar** with the city and got lost while trying to find her way back to the hotel.

## dimension

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

*synonym*: extent, measurement, size

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

Overall **dimensions** are approximately 400x200mm.

## 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.

## fantastically

*adv.* in a manner that is extremely or unbelievably good, impressive, or bizarre; in a fanciful or imaginative way

*synonym*: amazingly, astonishingly, incredibly

(1) **fantastically** dressed, (2) **fantastically** wealthy

She sang **fantastically** in the talent show and won first place.

## addition

*n.* the act or process of adding something to something else; the process of adding numbers

*synonym*: accumulation, expansion, addendum

(1) chemical **addition**, (2) **addition** of vectors

In **addition**, private corporations provide healthcare services.

## crumple

*v.* to collapse or crumple into a disordered or wrinkled mass; to fall apart or lose strength suddenly; to become emotionally distressed or overwhelmed

*synonym*: crinkle, crush, mash

(1) **crumple** paper, (2) **crumple** clothes

The car **crumpled** after colliding with the tree.

## 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.

## observe

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

*synonym*: watch, monitor, scrutinize

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

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

## constrain

v. to restrict or limit someone or something's freedom or ability to do something

*synonym*: restrict, limit, confine

(1) **constrain** his freedom, (2) **constrain** information flow

The political situation **constrained** the country's economic growth and foreign relations.

## vibration

n. a continuous quick and slight shaking movement

*synonym*: oscillation, fluctuation, reverberation

(1) protection against **vibration**, (2) sympathetic **vibration**

**Vibration** displaced part of the mechanism.

## determinant

n. a factor, circumstance, or condition that contributes to the shaping, influencing, or determining of a particular outcome or result

*synonym*: cause, factor, element

(1) environmental **determinant**, (2) a **determinant** of crop yields

One **determinant** of success is having a positive attitude and a strong work ethic.

## mass

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

*synonym* : abundance, crowd, mob

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

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

## strength

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

*synonym* : resilience, power, muscles

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

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

## calculate

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

*synonym* : compute, figure, estimate

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

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

## candidate

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

*synonym* : applicant, nominee, contender

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

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

## develop

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

*synonym* : evolve, progress, advance

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

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

## analyze

*v.* to think about in-depth and evaluate to discover essential features or meaning

*synonym* : explore, examine, investigate

(1) **analyze** a chemical compound, (2) **analyze** your real motives

The teacher attempted to **analyze** the root cause of our mistake.

## yield

*n.* the total output of crops, profits, etc. that are produced; (verb) to produce or supply helpful something, such as a profit, an amount of food, or information

*synonym* : proceeds, harvest, output

(1) corn **yield**, (2) the **yield** on the bond

The company's stock gives a high **yield**.

## graduate

*n.* a person who has a first degree from university or college; (verb) to complete the first course of university or college and get a degree

*synonym* : alumna, alum, grad

(1) **graduate** degree program, (2) honor **graduate**

Many employers hire **graduate** trainees to train as managers.

## soar

*v.* to fly or rise very high or to a great height, often with great grace or ease

*synonym* : fly, rise, ascend

(1) **soar** in popularity, (2) **soar** to new heights

The bird **soared** through the sky, and its wings spread wide.

## conclude

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

*synonym* : complete, finish, decide

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

We **concluded** a cease-fire.

## definitive

*adj.* serving to provide a final solution or to end a situation; final and not able to be changed

*synonym* : conclusive, final, decisive

(1) **definitive** answer, (2) a **definitive** edition

The study provided **definitive** proof of the effectiveness of the new drug.

## **prediction**

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

*synonym*: forecast, anticipation, foretelling

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

These results muddied the **prediction**.

## **proposal**

*n.* a formal suggestion or offer, sometimes a written one

*synonym*: offer, suggestion, proposition

(1) an innovative **proposal**, (2) details of his **proposal**

Our skeleton outline of the **proposal** met with much opposition.

## **context**

*n.* the circumstances, facts, or conditions that surround a particular event, situation, or statement and that give it meaning

*synonym*: background, setting, environment

(1) historical **context**, (2) legal **context**

It's important to understand the **context** of a situation before making a decision.

## **clump**

*n.* a small group of bushes, trees, flowers, people, etc.

*synonym*: cluster, bunch, bundle

(1) **clump** of bacteria, (2) a **clump** of trees

I heard the **clump** of his boots in the hallway.

## **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.

## 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.

## hospitable

*adj.* friendly and generous to visitors or guests

*synonym* : benevolent, generous, gracious

(1) **hospitable** environment, (2) a **hospitable** welcome  
He is a good-natured and **hospitable** man.

## unsatisfying

*adj.* not fulfilling someone's desires, expectations, or needs; incomplete or inadequate.

*synonym* : disappointing, dissatisfying, subpar

(1) **unsatisfying** labor, (2) **unsatisfying** reality

The meal was **unsatisfying** and left her feeling hungry an hour later.

## 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.

## misguided

*adj.* having or showing a wrong or mistaken understanding of a situation or course of action

*synonym* : mistaken, wrong, erring

(1) **misguided** policies, (2) a **misguided** sense of duty

His **misguided** attempt to fix the problem only made it worse.

## obsess

*v.* to fill the mind of someone continually so that one can't think of anything else

*synonym* : torment, beset, engross

(1) **obsess** over her weight, (2) he is **obsessed** with the



fear

He's utterly **obsessed** with his promotion.

## distance

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

*synonym* : space, gap, span

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

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

## wrong-headed

*adj.* characterized by stubborn or persistently mistaken beliefs or opinions; misguided or lacking in sound judgment or reasoning

*synonym* : misguided, stubborn, mistaken

(1) **wrong-headed** decision, (2) **wrong-headed** approach

His stubborn refusal to listen to others' opinions displayed his **wrong-headed** thinking.

## vital

*adj.* necessary for the success or continued existence of something

*synonym* : critical, crucial, invigorating

(1) play a **vital** role, (2) **vital** for a healthy society

Perseverance and optimism are **vital** to success.

## specification

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

*synonym* : description, requirement, guideline

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

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

## mechanism

*n.* a part of a machine, or a set of parts that performs a task; a natural or established process that occurs during

a specific situation or reaction

*synonym* : means, method, system

(1) the **mechanism** for DNA replication, (2) defense **mechanism**

He discovered unique **mechanisms** for photochemical reactions.

## 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.

## outward

*adj.* relating to the external appearance or surface of something; visible

*synonym* : external, surface, exterior

(1) an **outward** journey, (2) **outward** cheerfulness

The **outward** appearance of the building was impressive, but the inside was in dire need of repairs.

## evolve

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

*synonym* : develop, mature, grow

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

Eyeless fish **evolved** in dark caves.

## insight

*n.* the ability to gain an accurate and deep understanding of people or situations; an accurate and deep understanding of what something is like

*synonym* : wisdom, discernment, understanding

(1) a profound **insight**, (2) share my **insights**

We gained various **insights** by analyzing the vast amount of data owned by the company.

- gap** *n.* a conspicuous disparity or difference separates something such as a figure, people, their opinions, situation, etc.  
*synonym* : opening, lacuna, spread  
(1) the **gap** between ideal and reality, (2) distance **gap**  
Many people are working together to close the gender **gap**.
- enhance** *v.* to increase or improve the quality, amount, or strength of someone or something  
*synonym* : improve, enrich, refine  
(1) **enhance** value, (2) **enhance** the flavor of the vanilla  
The new strategy will **enhance** the profitability of our company.
- identify** *v.* to recognize someone or something and say or prove who or what they are  
*synonym* : determine, specify, recognize  
(1) **identify** handwriting, (2) **identify** gene sequences  
I will introduce you to how to **identify** the leading causes of the malfunction.
- fuel** *n.* a substance that is typically burned to generate heat or energy  
*synonym* : energy, power, gas  
(1) biomass **fuel**, (2) smokeless **fuel**  
The **fuel** scarcity most severely impacted the manufacturing sector
- quantum** *n.* the smallest amount or unit of something, especially (electromagnetic) energy  
(1) probabilistic **quantum** theory, (2) laws of **quantum** mechanics  
Big techs are now eager to develop **quantum** computers.
- efficient** *adj.* performing at the highest level of productivity with the least wasted effort or resources; capable of achieving maximum output with minimum wasted effort, time, or

### materials

*synonym*: productive, effective, competent

(1) **efficient** operation, (2) energy- **efficient** appliances

The new washing machine is much more **efficient** than the old one.

### virtually

*adv.* almost completely

*synonym*: almost, basically, nearly

(1) **virtually** all countries, (2) **virtually** identical

**Virtually** all the parties signed the contract.

### countless

*adj.* too numerous to be counted or very many

*synonym*: innumerable, myriad, numerous

(1) **countless** hours, (2) answer **countless** questions

There are **countless** methods for dealing with stress.

### bubble

*n.* a thin, round, and often transparent mass of gas that is surrounded by a thin layer of liquid; a state of economic or social prosperity that is unsustainable and eventually collapses

*synonym*: blob, balloon, mania

(1) **bubble** in the champagne glass, (2) economic **bubble**

Many people worry that the current real estate market is a **bubble** that could burst soon.

### grand

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

*synonym*: impressive, great, ambitious

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

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

### meld

*v.* to combine or blend, especially in a way that produces a harmonious or unified whole; to merge or fuse

*synonym*: blend, merge, combine

(1) **meld** business and pleasure, (2) **meld** physics with life science

The chef **melded** the flavors of the spice blend to create the

perfect marinade.

## cosmos

*n.* another name for the universe, mainly used when it is thought of as an ordered system

*synonym*: universe, macrocosm

(1) exploration of **cosmos**, (2) origin of the **cosmos**

Supercomputers enable scientists to create computational models of the **cosmos**.

## cutting-edge

*adj.* being at the forefront of a particular field or development; (noun) the latest or most advanced stage in the development of a specific type of work or activity

*synonym*: state-of-the-art, innovative, advanced

(1) **cutting-edge** molecular biology, (2) **cutting-edge** design

The **cutting-edge** technology was revolutionary in its field.

## confirm

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

*synonym*: affirm, verify, assure

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

Please write to **confirm** your reservation.

## 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.

## intense

*adj.* (especially of a feeling) very strong; extremely sharp or severe

*synonym*: extreme, fierce, harsh

(1) **intense** heat, (2) develop **intense** itching

That statement by the prime minister drew **intense** international criticism.

## jitter

*n.* a slight and rapid irregular movement or trembling; a sensation of nervousness or unease; a technical term relating to variations in the timing of signals in electronic systems

*synonym*: nervousness, trembling, shakiness

(1) **jitter** noise, (2) **jittery** feeling

The caffeine in my coffee causes me to experience nervous **jitter**.

## micro

*n.* extremely small in scale or scope; one millionth

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

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

## macro

*n.* (computing) a set of instructions that automate a frequently used series of keystrokes or mouse actions; (photography) a lens that allows you to take close-up photographs; (economics) a large-scale economic policy or system

*synonym*: large-scale, big-picture, major

(1) **macro** economy, (2) **macro** scale

**Macro** photography is a technique that allows you to take close-up photos of small objects.

## distinctive

*adj.* having a quality or characteristic that makes it stand out from others

*synonym*: characteristic, individual, unique

(1) **distinctive** ability, (2) design to be **distinctive**

His writing style was **distinctive**, with a clear and concise voice.

## fingerprint

*n.* a unique pattern of ridges and valleys on the surface of a finger that can be used to identify a person

*synonym*: print, mark, impression

(1) **fingerprint** at a crime scene, (2) **fingerprint** identification

The police used a **fingerprint** scanner to identify the suspect.

## slightly

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

*synonym* : barely, narrowly, scarcely

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

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

## spot

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

*synonym* : dot, mark, place

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

This remote **spot** is rarely visited.

## telescope

*n.* a device like a tube in shape containing lenses used to magnify and observe distant objects

(1) a binocular **telescope**, (2) look through a **telescope**

This facility has the largest astronomical **telescope** in the country.

## collide

*v.* to hit something violently when moving

*synonym* : clash, slam, contradict

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

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

## collision

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

*synonym* : crash, impact, smash

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

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

## subtle

*adj.* not readily apparent or visible

*synonym* : slight, nuanced, exquisite

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

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

## temperature

*n.* the degree of hotness or coldness of a thing or place  
*synonym* : climate, warmth, degree

(1) extreme **temperatures**, (2) the atmospheric **temperature**

Cities around the world set records for highest **temperatures** this summer.

## variation

*n.* the act or state of changing; a difference or change in the way something is done, made or said

*synonym* : fluctuation, change, variation

(1) **variation** of temperature, (2) gene **variation**

There is a lot of **variation** in the colors of flowers in the garden.

## exotic

*adj.* originating from or characteristic of a foreign country or culture; strikingly unusual, uncommon, or intriguing

*synonym* : foreign, alien, unfamiliar

(1) **exotic** species, (2) **exotic** vacation

I love trying **exotic** foods from different cultures.

## striking

*adj.* attractive and distinctive enough to draw notice; exceedingly appealing, frequently in an odd manner

*synonym* : arresting, astonishing, exceptional

(1) **striking** innovation, (2) **striking** evidence

The two plays have many **striking** parallels.

## implication

*n.* something that is inferred or indirectly stated; the act or fact of being involved in something

*synonym* : suggestion, association, conclusion

(1) the **implication** in a crime, (2) the **implication** of a word

His poem has a very significant **implication**.

## faint

*adj.* not strong, clear, or vigorous; slight or weak

*synonym* : slight, vague, soft

(1) **faint** memory, (2) **faint** aroma of roses

She heard a **faint**, nearly invisible scream.



## pinpoint

v. to locate or identify the exact position in space or time of something

*synonym*: name, direct, identify

(1) **pinpoint** the problem, (2) **pinpoint** signs of manipulation

This radar quickly **pinpoints** the position of the enemy.

## starlight

n. the light emitted or reflected by stars, often observed in the night sky; the radiant energy emitted by stars

*synonym*: twinkle, starshine, stardust

(1) **starlight** sky, (2) romantic **starlight**

The romantic couple had a picnic under the **starlight**.

## technological

*adj.* based on scientific and industrial progress

*synonym*: specialized, technical

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

**Technological** advances have disrupted many industries.

## emit

v. to give off or send out something such as light, heat, sound, gas, etc.

*synonym*: give off, radiate, expel

(1) **emit** a gamma ray, (2) **emit** air pollution

During the unloading, the container box **emits** a clicking sound.

## overcome

v. to succeed in controlling or dealing with something, such as a problem or difficulty; to defeat or overwhelm someone

*synonym*: beat, confound, overwhelm

(1) **overcome** opponents, (2) **overcome** all difficulties

He tried to **overcome** a bad reputation and win the election.

## widen

v. to become or make something broader, wider, more extensive

*synonym*: broaden, enlarge, extend

(1) **widen** in excitement, (2) **widen** a narrowed heart valve

He **widened** his investigation into a medical clinic.

- gulf** *n.* a large ocean inlet or deep bay that is partially enclosed by land  
*synonym*: chasm, divide, abyss  
(1) **gulf** war, (2) **gulf** stream  
The **Gulf** of Mexico is a body of water in the southern United States.
- 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.
- inky** *adj.* resembling, containing, or covered in ink; dark, opaque, or intense in color or appearance  
*synonym*: dark, ink-stained  
(1) **inky** fingerprints, (2) **inky** pen  
The **inky** shadows created a spooky atmosphere in the room.
- unchanging** *adj.* not changing or subject to change; constant  
*synonym*: constant, stable, static  
(1) **unchanging** laws, (2) rigidly **unchanging**  
The **unchanging** nature of the mountain range was a source of constant wonder for the hikers.
- oasis** *n.* a fertile land in a desert or semi-desert environment where there is water and therefore plants and trees and sometimes a village or town  
(1) tropical **oasis**, (2) **oasis** farming  
The **oasis** supplied water for early farms until the modern age.
- inhabit** *v.* to live in a specific location; to reside  
*synonym*: settle, occupy, populate  
(1) **inhabit** a cave, (2) **inhabit** the stomach  
I have no idea what sort of folks **inhabit** the neighborhood.

## attest

v. to provide evidence or proof of something; to confirm or certify the authenticity of something; to bear witness to the truth of something

*synonym*: verify, confirm, certify

(1) **attest** to the truth, (2) **attest** to the facts

I can **attest** to his honesty and integrity, as I have known him for many years.

## teem

v. to be abuzz; to move in large numbers; to fall heavily

*synonym*: brim, swarm, overflow

(1) **teem** with activity, (2) **teem** down

The city **teems** with traffic on holiday.

## 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.

## state-of-the-art

*adj.* characterized by the use of the latest and most advanced technology or methods; cutting-edge

*synonym*: advanced, cutting-edge, innovative

(1) **state-of-the-art** technology, (2) **state-of-the-art** software

The hospital has **state-of-the-art** equipment and facilities to ensure the best healthcare for its patients.

## suspect

v. to consider anything to be actual or probable

*synonym*: assume, distrust, surmise

(1) **suspect** a plot, (2) **suspect** that he is sick

The cops **suspected** him of being the killer.

## latter

*adj.* situated nearer to the end of something than the beginning; recent

*synonym*: following, recent, latest

(1) the **latter** part of the 20th century, (2) the **latter** half of

life

We plan to schedule the feature update for the **latter** ten days of September.

## remarkable

*adj.* worthy of attention because unusual or special

*synonym*: outstanding, exceptional, extraordinary

(1) **remarkable** achievement, (2) the **remarkable** breadth of knowledge

The election was a **remarkable** success for the Whigs.

## privilege

*n.* a special right or advantage that only one person or group of people has, usually because they are rich and powerful in a society

*synonym*: benefit, authorization, advantage

(1) a breach of **privilege**, (2) **privilege** of membership

In the Middle Ages, the right to hunt in the wild was the **privilege** of royalty and nobility.

## spirit

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

*synonym*: soul, attitude, enthusiasm

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

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

## capture

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

*synonym*: catch, arrest, imprison

(1) **capture** a glimpse, (2) **capture** customers' hearts

I was able to **capture** the moment on film.

## stark

*adj.* empty, simple, or apparent; devoid of any qualifications

*synonym*: crude, blunt, desolate

(1) **stark** landscape, (2) **stark** truth

The scenery of the battlefield was **stark** and grey.

## telegram

*n.* a message sent by telegraph (= a method of long-distance transmission of messages by electrical or radio signals), typically consisting of a few words and sent at a reduced rate for urgent or brief communications

*synonym*: wire, message, cablegram

(1) **telegram** service, (2) a congratulatory **telegram**

He sent a **telegram** to let his family know he was safe.

## transit

*n.* the act or process of passing through or across a place or state; transportation

*synonym*: transportation, passage, transfer

(1) a **transit** visa, (2) mass **transit**

Public **transit** is an essential service for many cities.

## echo

*n.* a sound heard after being reflected off a surface, such as a wall or a cliff

*synonym*: reverberate, repeat, reflection

(1) the **echo** of a person's footsteps, (2) sound **echo**

A thunderous boom **echoed** throughout the valley.

## unbreakable

*adj.* not able to be broken or damaged

*synonym*: indestructible, durable, sturdy

(1) **unbreakable** bond, (2) **unbreakable** commitment

This titanium bike frame is advertised as **unbreakable**.

## grip

*n.* the act of holding onto something firmly with your hands, or the ability to do so; (verb) to hold fast or firmly

*synonym*: grasp, clasp, (verb) hold

(1) **grip** of fear, (2) lose my **grip**

He had a firm **grip** on the rope as he climbed the mountain.

## beckon

*v.* to gesture or signal someone to come nearer or follow; to encourage or entice someone to do something; to seem attractive or desirable

*synonym*: signal, summon, gesture

(1) **beckon** with a hand, (2) **beckon** a taxi

The warm sun and gentle breeze **beckoned** us to spend the day outside.

## horizon

*n.* the line at which the earth's surface and the sky appear to meet; the range of interest or activity that can be anticipated

*synonym* : skyline, view, visible boundary

(1) the event **horizon** of a black hole, (2) business **horizon**

As the sun set, the colors of the sky merged with the **horizon**, creating a beautiful orange and pink hue.

## dizzy

*adj.* having or causing a whirling sensation and not able to keep balance

*synonym* : addled, confounded, unsteady

(1) feel **dizzy**, (2) had a **dizzy** spell

Professional skaters can spin fast on the ice without getting **dizzy**.

## exhilarating

*adj.* making one feel very happy and lively; invigorating; providing a feeling of excitement or thrill

*synonym* : thrilling, exciting, stimulating

(1) an **exhilarating** drink, (2) **exhilarating** view

Bungee jumping was an **exhilarating** experience that left me shaking with adrenaline.

## incredible

*adj.* unbelievable; enormous

*synonym* : unbelievable, fantastical, inconceivable

(1) **incredible** amount, (2) at **incredible** speed

Her response revealed **incredible** idiocy.

## historic

*adj.* famous or significant in history, or potentially so

*synonym* : memorable, momentous, historical

(1) **historic** accomplishment, (2) achieve the **historic** feat

The Chinese people have accomplished several **historic** feats.

## 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**.

## 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.

## microwave

*n.* a form of electromagnetic radiation with wavelengths ranging from about one millimeter to one meter and frequencies between 300 MHz (0.3 GHz) and 300 GHz; an electric oven that cooks food by exposing it to high-frequency electromagnetic radiation, which causes the food molecules to vibrate and heat up quickly

*synonym*: oven, waveguide, radar range

(1) **microwave** radiation, (2) **microwave** popcorn

I heated my leftover food in the **microwave** oven, which tasted just as good as freshly cooked.

## background

*n.* the details of a person's social heritage, such as family, vocational or educational experience; past information that is essential to understanding a situation or problem

*synonym*: ground, experience, backdrop

(1) a **background** color, (2) a criminal **background**

The company's hiring criteria emphasize personality, not a person's **background**.

## radiation

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

*synonym*: dissemination, emission, irradiation

(1) exposure to **radiation**, (2) electromagnetic **radiation**

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

## calculation

*n.* the act or process of using numbers to judge an amount of something

*synonym*: analysis, computation, estimate

(1) make a **calculation**, (2) **calculation** of loss and gain

The error in the **calculation** was attributable to rounding.

## holy

*adj.* of or related to a god, divine power, or a particular religion

*synonym*: sacred, religious, divine

(1) a **holy** man, (2) a **holy** shrine

They gathered to hear the **holy** teachings of the guru.

## cow

*n.* a domesticated mammal with characteristic features such as a hump, large udders, and curved horns that is raised for its milk or meat

*synonym*: bovine, cattle, kine

(1) **cow** herd, (2) dairy **cow**

The farmer milked the **cows** every morning before breakfast.

## 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.

## conversation

*n.* an informal talk between two or more people to exchange their views, ideas, information, etc.

*synonym*: chat, discussion, dialogue

(1) **conversation** in English, (2) a friendly **conversation**

Your **conversation** reflects your thoughts.



## Session 2: Spelling

- |                                      |  |
|--------------------------------------|--|
| 1. tell a com_____ng story           | <i>adj.</i> arousing strong and irresistible interest, attention, or admiration  |
| 2. se_____te video into chapter      | <i>v.</i> to force, take, or pull apart; mark as different   |
| 3. hi_____ht an important difference | <i>v.</i> to make something prominent, mainly so that people give it more attention  |
| 4. chemical ad_____on                | <i>n.</i> the act or process of adding something to something else; the process of adding numbers  |
| 5. demonstrate an up____d trend      | <i>adv.</i> toward the top or highest point, or a higher position or level; (adjective) extending or moving toward a higher place  |
| 6. sp____t and the letter of the law | <i>n.</i> the part of a person which is the seat of their mind, feelings, and character rather than their physical body; the general atmosphere of a place or situation and the effect that it has on people |
| 7. beam of el_____ons                | <i>n.</i> a tiny particle with the negative electrical charge  |
| 8. an_____us result                  | <i>adj.</i> deviating from what is standard or expected; unexpected or unusual in a way that is difficult to explain   |
| 9. origin of the co____s             | <i>n.</i> another name for the universe, mainly used when it is thought of as an ordered system  |

ANSWERS: 1. compelling, 2. separate, 3. highlight, 4. addition, 5. upward, 6. spirit, 7. electron, 8. anomalous, 9. cosmos

10. at\_\_\_t to the facts *v.* to provide evidence or proof of something; to confirm or certify the authenticity of something; to bear witness to the truth of something
11. pe\_\_\_\_ar way *adj.* odd and uncommon, sometimes in an unpleasant way
12. cognitive com\_\_\_\_\_ty *n.* the state or quality of being complicated or intricate and difficult to understand
13. a pai\_\_\_\_\_ng student *adj.* cautious and correct, and requiring a significant amount of effort
14. functional spe\_\_\_\_\_ion *n.* a detailed description of the characteristics, features, or requirements of something, typically a product or system; a written statement that outlines the standards, procedures, or requirements for a project or job
15. pre\_\_\_\_\_ng trend *adj.* most frequent, widespread, or currently dominant, usually referring to a particular opinion, attitude, or trend
16. ov\_\_\_\_\_me all difficulties *v.* to succeed in controlling or dealing with something, such as a problem or difficulty; to defeat or overwhelm someone
17. un\_\_\_\_\_ed wilderness *adj.* not mapped or surveyed; unknown or unexplored; without a clear or definite course of action
18. de\_\_h camera *n.* the distance between the top and bottom of something; between the top surface and a distance below it

ANSWERS: 10. attest, 11. peculiar, 12. complexity, 13. painstaking, 14. specification, 15. prevailing, 16. overcome, 17. uncharted, 18. depth

19. sl\_\_\_\_\_ly alkaline soils *adv.* in a small degree or extent; a little
20. id\_\_\_\_\_fy gene sequences *v.* to recognize someone or something and say or prove who or what they are
21. the antiparticle of a qu\_\_k *n.* a type of elementary particle and a fundamental constituent of matter that make up the heavier elementary particles, such as protons, neutrons, etc.; fresh unripened cheese of a smooth texture made from pasteurized milk, a starter, and rennet
22. sp\_\_\_\_\_te on the outcome *v.* to form a theory or conjecture or guess about a subject without solid evidence
23. sterile ne\_\_\_\_\_nos *n.* a very small and electrically neutral particle with a very small mass that rarely reacts with other matter
24. in\_\_\_\_\_al organs *adj.* of or relating to the inside of something
25. g\_\_f war *n.* a large ocean inlet or deep bay that is partially enclosed by land
26. pi\_\_\_\_\_nt signs of manipulation *v.* to locate or identify the exact position in space or time of something
27. a hos\_\_\_\_\_le welcome *adj.* friendly and generous to visitors or guests
28. the mul\_\_\_\_\_se hypothesis *n.* a hypothetical space or realm consisting of multiple universes, of which our universe is just one of them
29. mi\_\_\_\_\_ve radiation *n.* a form of electromagnetic radiation with wavelengths ranging from about one millimeter to one meter and frequencies between 300 MHz (0.3 GHz) and 300 GHz; an electric oven that cooks food by exposing it to high-frequency electromagnetic radiation, which causes the food molecules to vibrate and heat up quickly

ANSWERS: 19. slightly, 20. identify, 21. quark, 22. speculate, 23. neutrino, 24. internal, 25. gulf, 26. pinpoint, 27. hospitable, 28. multiverse, 29. microwave

30. my\_\_\_\_y novel *n.* something difficult to understand or explain; a secret or enigmatic quality that adds to the fascination or interest of something; a genre of fiction that involves the solution of a crime or a puzzle
31. play a vi\_\_l role *adj.* necessary for the success or continued existence of something
32. bu\_\_\_e in the champagne glass *n.* a thin, round, and often transparent mass of gas that is surrounded by a thin layer of liquid; a state of economic or social prosperity that is unsustainable and eventually collapses
33. i\_\_y pen *adj.* resembling, containing, or covered in ink; dark, opaque, or intense in color or appearance
34. de\_\_\_\_p a strategy *v.* to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created
35. un\_\_\_\_\_ed waters *adj.* not mapped or surveyed; unknown or unexplored; without a clear or definite course of action
36. in\_\_\_\_\_on control *n.* a general and progressive increase in prices; (cosmology) a theory of the exponential expansion of space in the early universe; the act of filling something with air

ANSWERS: 30. mystery, 31. vital, 32. bubble, 33. inky, 34. develop, 35. uncharted, 36. inflation

37. the yi\_\_d on the bond *n.* the total output of crops, profits, etc. that are produced; (verb) to produce or supply helpful something, such as a profit, an amount of food, or information
38. mi\_\_o force sensor *n.* extremely small in scale or scope; one millionth
39. the fr\_\_\_\_\_rk of a house *n.* the structural components of a building or object that support its weight and give it form; the underlying structure of a system, concept, or text
40. aw\_\_d ceremony *n.* a prize or other mark of recognition given in honor of an achievement
41. in\_\_\_\_\_e him to write a novel *v.* to make somebody fill with the desire, confidence, or enthusiasm, especially to do something creative
42. co\_\_\_\_\_in information flow *v.* to restrict or limit someone or something's freedom or ability to do something
43. industrial ex\_\_\_\_\_on *n.* the process of becoming larger or more extensive, or the result of this process
44. m\_\_d business and pleasure *v.* to combine or blend, especially in a way that produces a harmonious or unified whole; to merge or fuse
45. ou\_\_\_\_\_d cheerfulness *adj.* relating to the external appearance or surface of something; visible
46. a m\_\_s of molten rock *n.* a large amount of a substance with no definite shape or form; a large number of people or things grouped or crowded together

ANSWERS: 37. yield, 38. micro, 39. framework, 40. award, 41. inspire, 42. constrain, 43. expansion, 44. meld, 45. outward, 46. mass

47. make a str\_\_\_\_\_ard dash      *adj.* easy to do or understand, or simple; free from ambiguity
48. retie the st\_\_\_g and make it strong      *n.* long, thin material used for tying things together, composed of several twisted threads
49. st\_\_\_\_h along the coast      *v.* to make or be capable of making anything longer or broader without hurting or breaking
50. con\_\_\_\_\_ial book      *adj.* causing a lot of hot public discussion and dispute
51. a bac\_\_\_\_\_nd color      *n.* the details of a person's social heritage, such as family, vocational or educational experience; past information that is essential to understanding a situation or problem
52. in\_\_\_e memories      *v.* to call upon or request help or support, especially from a higher power; to mention or use something as a reason or justification for actions or decisions
53. an\_\_\_\_\_us fashion      *adj.* similar or equivalent in some respects, typically as a result of functioning in a similar way
54. pro\_\_\_\_\_on of disease      *n.* the act or process of changing to the next stage or phase or moving forward
55. me\_\_\_\_\_n in a report      *v.* to speak or write about something or someone briefly
56. str\_\_\_\_\_ard manner      *adj.* easy to do or understand, or simple; free from ambiguity
57. g\_\_f stream      *n.* a large ocean inlet or deep bay that is partially enclosed by land

ANSWERS: 47. straightforward, 48. string, 49. stretch, 50. controversial, 51. background, 52. invoke, 53. analogous, 54. progression, 55. mention, 56. straightforward, 57. gulf

58. be\_\_\_n a taxi *v.* to gesture or signal someone to come nearer or follow; to encourage or entice someone to do something; to seem attractive or desirable
59. legal fr\_\_\_\_\_rk *n.* the structural components of a building or object that support its weight and give it form; the underlying structure of a system, concept, or text
60. sympathetic vi\_\_\_\_\_on *n.* a continuous quick and slight shaking movement
61. make my pre\_\_\_\_\_ons *n.* the act of predicting the future by reasoning; a statement made about the future
62. an\_\_\_\_\_e a chemical compound *v.* to think about in-depth and evaluate to discover essential features or meaning
63. an\_\_\_\_\_e your real motives *v.* to think about in-depth and evaluate to discover essential features or meaning
64. co\_\_\_\_\_de that he is healthy *v.* to come to an end or close; to reach a judgment or opinion by reasoning
65. ex\_\_\_c vacation *adj.* originating from or characteristic of a foreign country or culture; strikingly unusual, uncommon, or intriguing
66. pr\_\_\_\_\_ge of membership *n.* a special right or advantage that only one person or group of people has, usually because they are rich and powerful in a society
67. st\_\_\_\_\_ht sky *n.* the light emitted or reflected by stars, often observed in the night sky; the radiant energy emitted by stars

ANSWERS: 58. beckon, 59. framework, 60. vibration, 61. prediction, 62. analyze, 63. analyze, 64. conclude, 65. exotic, 66. privilege, 67. starlight

68. vi\_\_l for a healthy society *adj.* necessary for the success or continued existence of something
69. em\_\_\_e as a butterfly *v.* to move out of or away from something and become visible
70. ob\_\_\_\_\_e wildlife *v.* to watch or notice something carefully, often to gather information or insights; to take note of something or someone; to celebrate or commemorate a special event or occasion
71. a det\_\_\_\_\_nt of crop yields *n.* a factor, circumstance, or condition that contributes to the shaping, influencing, or determining of a particular outcome or result
72. uns\_\_\_\_\_ing labor *adj.* not fulfilling someone's desires, expectations, or needs; incomplete or inadequate.
73. unb\_\_\_\_\_le bond *adj.* not able to be broken or damaged
74. e\_\_t a gamma ray *v.* to give off or send out something such as light, heat, sound, gas, etc.
75. a statistical ch\_\_t *n.* a visual display of information such as a diagram, lists of figures, etc.; a map designed to assist navigation by air or sea
76. i\_\_y fingerprints *adj.* resembling, containing, or covered in ink; dark, opaque, or intense in color or appearance
77. in\_\_\_\_\_e a feeling of curiosity *v.* to make somebody fill with the desire, confidence, or enthusiasm, especially to do something creative

ANSWERS: 68. vital, 69. emerge, 70. observe, 71. determinant, 72. unsatisfying, 73. unbreakable, 74. emit, 75. chart, 76. inky, 77. inspire



78. s\_\_r to new heights      *v.* to fly or rise very high or to a great height, often with great grace or ease
79. de\_\_\_t smuggling across borders      *v.* to find or recognize something, especially something difficult to see, hear, etc.
80. r\_v up the crowd      *n.* a measure of the rate at which an engine or motor rotates, often expressed in revolutions per minute (RPM); (verb) to increase the number of rotations per minute
81. at a un\_\_\_\_\_m temperature      *adj.* always the same; showing a single form or character in all occurrences; (noun) the special set of clothes worn by members of a particular group as a means of identification
82. the most am\_\_\_\_\_g feeling      *adj.* extremely surprising, especially in a way that you like or admire
83. wi\_\_n a narrowed heart valve      *v.* to become or make something broader, wider, more extensive
84. legal co\_\_\_\_\_t      *n.* the circumstances, facts, or conditions that surround a particular event, situation, or statement and that give it meaning
85. a congratulatory te\_\_\_\_\_am      *n.* a message sent by telegraph (= a method of long-distance transmission of messages by electrical or radio signals), typically consisting of a few words and sent at a reduced rate for urgent or brief communications
86. uns\_\_\_\_\_ing reality      *adj.* not fulfilling someone's desires, expectations, or needs; incomplete or inadequate.

ANSWERS: 78. soar, 79. detect, 80. rev, 81. uniform, 82. amazing, 83. widen, 84. context, 85. telegram, 86. unsatisfying

87. exh\_\_\_\_\_ing view *adj.* making one feel very happy and lively; invigorating; providing a feeling of excitement or thrill
88. fi\_\_\_\_\_nt lamp *n.* a thin wire or thread, especially one used to produce light in an electric bulb
89. ast\_\_\_\_\_cal observation *adj.* relating to astronomy or the study of celestial bodies and phenomena; very large or immense in scale or magnitude
90. t\_\_s a coin *v.* to throw something carelessly with a light motion
91. tec\_\_\_\_\_cal advancement *adj.* based on scientific and industrial progress
92. historical co\_\_\_\_\_t *n.* the circumstances, facts, or conditions that surround a particular event, situation, or statement and that give it meaning
93. carbon fi\_\_\_\_\_nt *n.* a thin wire or thread, especially one used to produce light in an electric bulb
94. a scientific di\_\_\_\_\_ry *n.* the act or process of finding information, a place, or an object, or learning about something that was previously not known
95. achieve the hi\_\_\_\_\_ic feat *adj.* famous or significant in history, or potentially so
96. 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
97. a su\_\_\_\_e poison *adj.* not readily apparent or visible

ANSWERS: 87. exhilarating, 88. filament, 89. astronomical, 90. toss, 91. technological, 92. context, 93. filament, 94. discovery, 95. historic, 96. planet, 97. subtle

98. cut\_\_\_\_\_dge design *adj.* being at the forefront of a particular field or development; (noun) the latest or most advanced stage in the development of a specific type of work or activity
99. b\_\_g a phone down *v.* to hit or cause to hit something in a way that makes a loud noise
100. had a di\_\_y spell *adj.* having or causing a whirling sensation and not able to keep balance
101. unc\_\_\_\_\_ng laws *adj.* not changing or subject to change; constant
102. a di\_\_\_\_\_t memory *adj.* far away in space, time, or where you are; far apart in relevance, relationship, or kinship
103. lack of he\_\_\_\_\_y *n.* forward movement or progress made despite obstacles or resistance; clearance or space in which to move forward
104. details of his pr\_\_\_\_\_al *n.* a formal suggestion or offer, sometimes a written one
105. me\_\_\_\_\_n name *v.* to speak or write about something or someone briefly
106. fin\_\_\_\_\_nt at a crime scene *n.* a unique pattern of ridges and valleys on the surface of a finger that can be used to identify a person
107. wi\_\_n in excitement *v.* to become or make something broader, wider, more extensive
108. su\_\_\_e changes *adj.* not readily apparent or visible

ANSWERS: 98. cutting-edge, 99. bang, 100. dizzy, 101. unchanging, 102. distant, 103. headway, 104. proposal, 105. mention, 106. fingerprint, 107. widen, 108. subtle

109. nuclear ph\_\_\_\_s *n.* the science of matter and energy and their interactions
110. ph\_\_\_n energy *n.* a unit or quantum of electromagnetic energy, typically regarded as a particle that is the basic constituent of all light and other forms of electromagnetic radiation
111. dairy c\_w *n.* a domesticated mammal with characteristic features such as a hump, large udders, and curved horns that is raised for its milk or meat
112. vi\_\_\_\_\_e with anger *v.* to move or cause anything to move fast and in small increments from side to side
113. cal\_\_\_\_\_on of loss and gain *n.* the act or process of using numbers to judge an amount of something
114. driving di\_\_\_\_\_ce *n.* the amount of space between two points, measured in units such as miles, meters, or kilometers; the extent, scope, or range between two things, such as distance or emotional distance
115. the concept of the mul\_\_\_\_\_se *n.* a hypothetical space or realm consisting of multiple universes, of which our universe is just one of them
116. in\_\_\_e with spirit *v.* to fill something with a particular quality, feeling, or influence; to imbue
117. the great di\_\_\_\_\_ry of the century *n.* the act or process of finding information, a place, or an object, or learning about something that was previously not known

ANSWERS: 109. physics, 110. photon, 111. cow, 112. vibrate, 113. calculation, 114. distance, 115. multiverse, 116. infuse, 117. discovery

118. low-r\_v engine *n.* a measure of the rate at which an engine or motor rotates, often expressed in revolutions per minute (RPM); (verb) to increase the number of rotations per minute
119. in\_\_\_e life with meaning *v.* to fill something with a particular quality, feeling, or influence; to imbue
120. mass tr\_\_\_\_t *n.* the act or process of passing through or across a place or state; transportation
121. play the vi\_\_\_n *n.* a four-stringed wooden musical instrument held against the neck and played by passing a bow across the strings
122. spe\_\_\_\_\_ar view *adj.* striking or impressive to look at or in performance or achievement
123. s\_\_r in popularity *v.* to fly or rise very high or to a great height, often with great grace or ease
124. exploration of co\_\_\_s *n.* another name for the universe, mainly used when it is thought of as an ordered system
125. honor gr\_\_\_\_te *n.* a person who has a first degree from university or college; (verb) to complete the first course of university or college and get a degree
126. m\_\_t in the morning *n.* a cloud of very small drops of water collecting in the air just above the ground or water
127. ad\_\_\_\_\_on of vectors *n.* the act or process of adding something to something else; the process of adding numbers

ANSWERS: 118. rev, 119. infuse, 120. transit, 121. violin, 122. spectacular, 123. soar, 124. cosmos, 125. graduate, 126. mist, 127. addition

128. modern co\_\_\_\_\_gy *n.* the scientific study of the nature and origin of the universe
129. smokeless f\_\_l *n.* a substance that is typically burned to generate heat or energy
130. fan\_\_\_\_\_lly wealthy *adv.* in a manner that is extremely or unbelievably good, impressive, or bizarre; in a fanciful or imaginative way
131. an exh\_\_\_\_\_ing drink *adj.* making one feel very happy and lively; invigorating; providing a feeling of excitement or thrill
132. st\_\_k landscape *adj.* empty, simple, or apparent; devoid of any qualifications
133. a sy\_\_\_\_\_ny orchestra *n.* a long musical composition in Western classical music for orchestra, usually with three or four main parts called movements
134. vi\_\_\_\_\_ly all countries *adv.* almost completely
135. cl\_\_p of bacteria *n.* a small group of bushes, trees, flowers, people, etc.
136. 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
137. at inc\_\_\_\_\_le speed *adj.* unbelievable; enormous
138. flow of el\_\_\_\_\_ons *n.* a tiny particle with the negative electrical charge
139. de\_\_\_\_\_p a skill *v.* to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created

ANSWERS: 128. cosmology, 129. fuel, 130. fantastically, 131. exhilarating, 132. stark, 133. symphony, 134. virtually, 135. clump, 136. universe, 137. incredible, 138. electron, 139. develop

140. ex\_\_\_d a lineup *v.* to increase or to make something greater in size, number, or importance
141. mo\_\_\_\_\_le behavior *n.* a group of two or more atoms held together by attractive forces known as chemical bonds
142. business ho\_\_\_\_\_n *n.* the line at which the earth's surface and the sky appear to meet; the range of interest or activity that can be anticipated
143. co\_\_\_\_\_ce her to go with us *v.* to persuade someone or make someone believe that something is true
144. the la\_\_\_r half of life *adj.* situated nearer to the end of something than the beginning; recent
145. nu\_\_\_\_\_us countries *adj.* amounting to a large indefinite number
146. h\_\_l forecast *v.* to call out to someone to get their attention, often from a distance; to greet or welcome someone, especially with enthusiasm or admiration; (noun) precipitation in the form of small balls or lumps of ice that fall from the sky
147. the la\_\_\_r part of the 20th century *adj.* situated nearer to the end of something than the beginning; recent
148. 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
149. a friendly con\_\_\_\_\_ion *n.* an informal talk between two or more people to exchange their views, ideas, information, etc.

ANSWERS: 140. expand, 141. molecule, 142. horizon, 143. convince, 144. latter, 145. numerous, 146. hail, 147. latter, 148. atom, 149. conversation

150. second co\_\_\_c velocity *adj.* relating to the universe or cosmos; vast or limitless
151. st\_\_\_\_ng innovation *adj.* attractive and distinctive enough to draw notice; exceedingly appealing, frequently in an odd manner
152. family upb\_\_\_\_\_ng *n.* the conditions and experiences in which a child is cared for and taught, especially in relation to their moral and social development
153. st\_\_\_c website *adj.* not moving or not capable of moving, not changing or not capable of changing
154. st\_\_\_\_ng evidence *adj.* attractive and distinctive enough to draw notice; exceedingly appealing, frequently in an odd manner
155. qu\_\_k physics *n.* a type of elementary particle and a fundamental constituent of matter that make up the heavier elementary particles, such as protons, neutrons, etc.; fresh unripened cheese of a smooth texture made from pasteurized milk, a starter, and rennet
156. id\_\_\_\_fy handwriting *v.* to recognize someone or something and say or prove who or what they are
157. inc\_\_\_\_\_ent with the roadmap *adj.* not remaining constant or in agreement
158. st\_\_\_\_th of the economy *n.* the quality or state of being physically, or sometimes mentally, strong
159. ma\_\_o economy *n.* (computing) a set of instructions that automate a frequently used series of keystrokes or mouse actions; (photography) a lens that allows you to take close-up photographs; (economics) a large-scale economic policy or system

ANSWERS: 150. cosmic, 151. striking, 152. upbringing, 153. static, 154. striking, 155. quark, 156. identify, 157. inconsistent, 158. strength, 159. macro



160. wro\_\_\_\_\_ded approach *adj.* characterized by stubborn or persistently mistaken beliefs or opinions; misguided or lacking in sound judgment or reasoning
161. ji\_\_\_\_r noise *n.* a slight and rapid irregular movement or trembling; a sensation of nervousness or unease; a technical term relating to variations in the timing of signals in electronic systems
162. achieve spe\_\_\_\_\_ar growth *adj.* striking or impressive to look at or in performance or achievement
163. di\_\_\_\_\_t ancestors *adj.* far away in space, time, or where you are; far apart in relevance, relationship, or kinship
164. pr\_\_\_\_\_t the future *v.* to state beforehand that something will happen in the future, mainly based on knowledge or experience
165. solar ast\_\_\_\_\_er *n.* a physicist who studies astronomy
166. f\_\_t accomplishment *n.* a notable or impressive achievement, especially one that requires great skill or bravery
167. su\_\_\_\_\_t a plot *v.* to consider anything to be actual or probable
168. sound e\_\_o *n.* a sound heard after being reflected off a surface, such as a wall or a cliff
169. ex\_\_\_\_\_on project *n.* the process of becoming larger or more extensive, or the result of this process
170. fin\_\_\_\_\_nt identification *n.* a unique pattern of ridges and valleys on the surface of a finger that can be used to identify a person

ANSWERS: 160. wrong-headed, 161. jitter, 162. spectacular, 163. distant, 164. predict, 165. astronomer, 166. feat, 167. suspect, 168. echo, 169. expansion, 170. fingerprint

171. sta\_\_\_\_\_art technology *adj.* characterized by the use of the latest and most advanced technology or methods; cutting-edge
172. Catholic upb\_\_\_\_\_ng *n.* the conditions and experiences in which a child is cared for and taught, especially in relation to their moral and social development
173. corn yi\_\_d *n.* the total output of crops, profits, etc. that are produced; (verb) to produce or supply helpful something, such as a profit, an amount of food, or information
174. the g\_p between ideal and reality *n.* a conspicuous disparity or difference separates something such as a figure, people, their opinions, situation, etc.
175. a profound in\_\_\_\_\_t *n.* the ability to gain an accurate and deep understanding of people or situations; an accurate and deep understanding of what something is like
176. ev\_\_\_e over the past decade *v.* to develop gradually, or to cause the development of something or someone gradually
177. unb\_\_\_\_\_le commitment *adj.* not able to be broken or damaged
178. 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
179. ast\_\_\_\_\_cal numbers *adj.* relating to astronomy or the study of celestial bodies and phenomena; very large or immense in scale or magnitude
180. a cl\_\_p of trees *n.* a small group of bushes, trees, flowers, people, etc.

ANSWERS: 171. state-of-the-art, 172. upbringing, 173. yield, 174. gap, 175. insight, 176. evolve, 177. unbreakable, 178. depth, 179. astronomical, 180. clump

181. a ga\_\_\_y of famous actors *n.* an independent group of stars, interstellar gas, dark matter, etc., in the universe, bound together by gravity
182. the in\_\_\_\_al economy *adj.* of or relating to the inside of something
183. the atmospheric tem\_\_\_\_\_re *n.* the degree of hotness or coldness of a thing or place
184. pa\_\_\_\_\_le energy *n.* a small piece of something; a word or piece of a term with grammatical function but little or no significance
185. intellectual f\_\_t *n.* a notable or impressive achievement, especially one that requires great skill or bravery
186. inc\_\_\_\_\_le amount *adj.* unbelievable; enormous
187. around unf\_\_\_\_\_ar people *adj.* not known or recognized; not experienced or encountered before
188. social di\_\_\_\_\_ce *n.* the amount of space between two points, measured in units such as miles, meters, or kilometers; the extent, scope, or range between two things, such as distance or emotional distance
189. pe\_\_\_\_\_ar people *adj.* odd and uncommon, sometimes in an unpleasant way
190. rem\_\_\_\_\_le achievement *adj.* worthy of attention because unusual or special
191. en\_\_\_\_\_s possibilities *adj.* having no end or conclusion; infinitely very large in size or amount
192. re\_\_\_\_\_ce category *n.* the state or degree of being closely connected or appropriate to the matter at hand

ANSWERS: 181. galaxy, 182. internal, 183. temperature, 184. particle, 185. feat, 186. incredible, 187. unfamiliar, 188. distance, 189. peculiar, 190. remarkable, 191. endless, 192. relevance

193. pro\_\_\_\_\_on of civilization *n.* the act or process of changing to the next stage or phase or moving forward
194. pr\_\_\_\_\_t when she will arrive *v.* to state beforehand that something will happen in the future, mainly based on knowledge or experience
195. feel di\_\_y *adj.* having or causing a whirling sensation and not able to keep balance
196. engineering spe\_\_\_\_\_ion *n.* a detailed description of the characteristics, features, or requirements of something, typically a product or system; a written statement that outlines the standards, procedures, or requirements for a project or job
197. electromagnetic ra\_\_\_\_\_on *n.* the energy that comes from a nuclear reaction in the form of rays, waves, or particles and that can be hazardous to health
198. in\_\_\_\_\_le stars *adj.* impossible or nearly impossible to see
199. re\_\_\_\_\_ve smell *adj.* causing strong dislike or disgust; offensive, unpleasant, or grotesque; resisting or rejecting contact or influence
200. answer co\_\_\_\_\_ss questions *adj.* too numerous to be counted or very many
201. mi\_\_o bubble *n.* extremely small in scale or scope; one millionth
202. si\_\_\_\_\_ly situated *adv.* in almost the same way
203. ca\_\_\_\_\_e a glimpse *v.* to catch a person or an animal and confine them in an area which they cannot escape

ANSWERS: 193. progression, 194. predict, 195. dizzy, 196. specification, 197. radiation, 198. invisible, 199. repulsive, 200. countless, 201. micro, 202. similarly, 203. capture

204. g\_\_p of fear *n.* the act of holding onto something firmly with your hands, or the ability to do so; (verb) to hold fast or firmly
205. em\_\_\_e from poverty *v.* to move out of or away from something and become visible
206. mi\_\_\_\_\_ve popcorn *n.* a form of electromagnetic radiation with wavelengths ranging from about one millimeter to one meter and frequencies between 300 MHz (0.3 GHz) and 300 GHz; an electric oven that cooks food by exposing it to high-frequency electromagnetic radiation, which causes the food molecules to vibrate and heat up quickly
207. ev\_\_\_e *v.* to develop gradually, or to cause the development of something or someone gradually
208. pai\_\_\_\_\_ng research *adj.* cautious and correct, and requiring a significant amount of effort
209. co\_\_\_\_\_de a meeting *v.* to come to an end or close; to reach a judgment or opinion by reasoning
210. biomass f\_\_l *n.* a substance that is typically burned to generate heat or energy
211. a s\_\_t on his honor *n.* a particular location or place; a small round or roundish area, differing in color or feels from the surface around it
212. a h\_\_y man *adj.* of or related to a god, divine power, or a particular religion
213. PhD ca\_\_\_\_\_te *n.* a person who is seeking or being considered for some kind of position, title, honor, or award; a job applicant

ANSWERS: 204. grip, 205. emerge, 206. microwave, 207. evolve, 208. painstaking, 209. conclude, 210. fuel, 211. spot, 212. holy, 213. candidate

214. a good grounding in mat\_\_\_\_\_cs     *n.* the science dealing with the logic of quantities, shapes, spaces, and arrangement
215. pr\_\_e for inside information     *n.* a tool used for testing or examining, especially for medical or scientific purposes, or an exploratory mission to a planet or other celestial body; (verb) to investigate, examine, or search into something
216. co\_\_\_\_\_on detection     *n.* an instance of two or more objects or entities crashing into each other, usually resulting in damage, impact, or conflict
217. the e\_\_o of a person's footsteps     *n.* a sound heard after being reflected off a surface, such as a wall or a cliff
218. elliptic ga\_\_\_\_y     *n.* an independent group of stars, interstellar gas, dark matter, etc., in the universe, bound together by gravity
219. ca\_\_\_\_\_te selection     *n.* a person who is seeking or being considered for some kind of position, title, honor, or award; a job applicant
220. ca\_\_\_\_\_e customers' hearts     *v.* to catch a person or an animal and confine them in an area which they cannot escape
221. tense piano st\_\_\_\_gs     *n.* long, thin material used for tying things together, composed of several twisted threads
222. el\_\_\_\_\_t design     *adj.* pleasing and graceful in appearance or manner, or showing good taste and refinement

ANSWERS: 214. mathematics, 215. probe, 216. collision, 217. echo, 218. galaxy, 219. candidate, 220. capture, 221. string, 222. elegant

223. 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
224. tec\_\_\_\_\_cal policy      *adj.* based on scientific and industrial progress
225. e\_\_t air pollution      *v.* to give off or send out something such as light, heat, sound, gas, etc.
226. de\_\_\_\_\_e this prize      *v.* to be worthy of or entitled to something, especially something good or valuable
227. cr\_\_\_\_\_e clothes      *v.* to collapse or crumple into a disordered or wrinkled mass; to fall apart or lose strength suddenly; to become emotionally distressed or overwhelmed
228. gra\_\_\_\_\_nal waves      *adj.* relating to or caused by gravity (= the force that attracts objects towards one another)
229. fan\_\_\_\_\_lly dressed      *adv.* in a manner that is extremely or unbelievably good, impressive, or bizarre; in a fanciful or imaginative way
230. hos\_\_\_\_\_le environment      *adj.* friendly and generous to visitors or guests
231. co\_\_\_\_\_e head-on      *v.* to hit something violently when moving
232. an indomitable sp\_\_\_\_t      *n.* the part of a person which is the seat of their mind, feelings, and character rather than their physical body; the general atmosphere of a place or situation and the effect that it has on people

ANSWERS: 223. atom, 224. technological, 225. emit, 226. deserve, 227. crumple, 228. gravitational, 229. fantastically, 230. hospitable, 231. collide, 232. spirit

233. co\_\_\_\_\_in his freedom      *v.* to restrict or limit someone or something's freedom or ability to do something
234. lose my g\_\_p      *n.* the act of holding onto something firmly with your hands, or the ability to do so; (verb) to hold fast or firmly
235. t\_\_s the bottle into a trash can      *v.* to throw something carelessly with a light motion
236. public re\_\_m      *n.* a domain of activity, interest, or knowledge
237. new and com\_\_\_\_\_ng evidence      *adj.* arousing strong and irresistible interest, attention, or admiration
238. cr\_\_\_\_\_e paper      *v.* to collapse or crumple into a disordered or wrinkled mass; to fall apart or lose strength suddenly; to become emotionally distressed or overwhelmed
239. sp\_\_\_\_\_te about the reason      *v.* to form a theory or conjecture or guess about a subject without solid evidence
240. the as\_\_t of a rocket      *n.* the act of climbing or moving upwards, often referring to a physical ascent of a mountain or a spiritual ascent or improvement; an upward movement; the process of moving upwards
241. probabilistic qu\_\_\_\_\_m theory      *n.* the smallest amount or unit of something, especially (electromagnetic) energy
242. con\_\_\_\_\_ion in English      *n.* an informal talk between two or more people to exchange their views, ideas, information, etc.

ANSWERS: 233. constrain, 234. grip, 235. toss, 236. realm, 237. compelling, 238. crumple, 239. speculate, 240. ascent, 241. quantum, 242. conversation



243. re\_\_\_\_\_ve act *adj.* causing strong dislike or disgust; offensive, unpleasant, or grotesque; resisting or rejecting contact or influence
244. co\_\_\_\_\_ss hours *adj.* too numerous to be counted or very many
245. pre\_\_\_\_\_ng wind *adj.* most frequent, widespread, or currently dominant, usually referring to a particular opinion, attitude, or trend
246. a pr\_\_\_\_\_nd book *adj.* extremely great; sensed or experienced very strongly; displaying a high level of knowledge or comprehension
247. ob\_\_\_\_s over her weight *v.* to fill the mind of someone continually so that one can't think of anything else
248. co\_\_\_\_\_ce an opponent *v.* to persuade someone or make someone believe that something is true
249. the stock market co\_\_\_\_\_sed *v.* to fall down or give way suddenly, often after breaking apart
250. global in\_\_\_\_\_on *n.* a general and progressive increase in prices; (cosmology) a theory of the exponential expansion of space in the early universe; the act of filling something with air
251. look through a te\_\_\_\_\_pe *n.* a device like a tube in shape containing lenses used to magnify and observe distant objects
252. gain he\_\_\_\_\_y *n.* forward movement or progress made despite obstacles or resistance; clearance or space in which to move forward

ANSWERS: 243. repulsive, 244. countless, 245. prevailing, 246. profound, 247. obsess, 248. convince, 249. collapse, 250. inflation, 251. telescope, 252. headway

253. charged pa\_\_\_\_le *n.* a small piece of something; a word or piece of a term with grammatical function but little or no significance
254. have no re\_\_\_\_\_ce *n.* the state or degree of being closely connected or appropriate to the matter at hand
255. ov\_\_\_\_\_ched the road *v.* to be central or dominant; to form an arch over
256. co\_\_\_c background radiation *adj.* relating to the universe or cosmos; vast or limitless
257. environmental det\_\_\_\_\_nt *n.* a factor, circumstance, or condition that contributes to the shaping, influencing, or determining of a particular outcome or result
258. wh\_\_\_y healthy food *adv.* completely, entirely, or altogether; without exception or reservation
259. participation aw\_\_\_d *n.* a prize or other mark of recognition given in honor of an achievement
260. def\_\_\_\_\_ve answer *adj.* serving to provide a final solution or to end a situation; final and not able to be changed
261. te\_\_\_\_\_am service *n.* a message sent by telegraph (= a method of long-distance transmission of messages by electrical or radio signals), typically consisting of a few words and sent at a reduced rate for urgent or brief communications
262. wro\_\_\_\_\_ded decision *adj.* characterized by stubborn or persistently mistaken beliefs or opinions; misguided or lacking in sound judgment or reasoning

ANSWERS: 253. particle, 254. relevance, 255. overarch, 256. cosmic, 257. determinant, 258. wholly, 259. award, 260. definitive, 261. telegram, 262. wrong-headed

263. t\_\_m down *v.* to be abuzz; to move in large numbers; to fall heavily
264. h\_\_l the victorious team with cheers *v.* to call out to someone to get their attention, often from a distance; to greet or welcome someone, especially with enthusiasm or admiration; (noun) precipitation in the form of small balls or lumps of ice that fall from the sky
265. muscular st\_\_\_\_th *n.* the quality or state of being physically, or sometimes mentally, strong
266. the imp\_\_\_\_\_on in a crime *n.* something that is inferred or indirectly stated; the act or fact of being involved in something
267. the event ho\_\_\_\_\_n of a black hole *n.* the line at which the earth's surface and the sky appear to meet; the range of interest or activity that can be anticipated
268. romantic st\_\_\_\_\_ht *n.* the light emitted or reflected by stars, often observed in the night sky; the radiant energy emitted by stars
269. a h\_\_y shrine *adj.* of or related to a god, divine power, or a particular religion
270. the unf\_\_\_\_\_ar surroundings *adj.* not known or recognized; not experienced or encountered before
271. com\_\_\_\_\_ty theory *n.* the state or quality of being complicated or intricate and difficult to understand
272. enforce rev\_\_\_\_\_ary justice *adj.* relating to or characterized by a complete or dramatic change
273. am\_\_\_\_\_g advances *adj.* extremely surprising, especially in a way that you like or admire

ANSWERS: 263. teem, 264. hail, 265. strength, 266. implication, 267. horizon, 268. starlight, 269. holy, 270. unfamiliar, 271. complexity, 272. revolutionary, 273. amazing

274. critical m\_\_s *n.* a large amount of a substance with no definite shape or form; a large number of people or things grouped or crowded together
275. the crosswise di\_\_\_\_\_on *n.* a measurable extent of a particular kind, such as width, height, or length
276. as nu\_\_\_\_us as the sand *adj.* amounting to a large indefinite number
277. ov\_\_\_\_\_ch the stream *v.* to be central or dominant; to form an arch over
278. ef\_\_\_\_\_nt operation *adj.* performing at the highest level of productivity with the least wasted effort or resources; capable of achieving maximum output with minimum wasted effort, time, or materials
279. en\_\_\_\_\_e value *v.* to increase or improve the quality, amount, or strength of someone or something
280. b\_\_g his fist on a desk *v.* to hit or cause to hit something in a way that makes a loud noise
281. without for\_\_\_\_\_ht and planning *n.* the act of thinking about and planning for the future
282. a per\_\_\_\_\_ve view *n.* a confident attitude toward something; a particular style of thinking about something
283. our school un\_\_\_\_\_m *adj.* always the same; showing a single form or character in all occurrences; (noun) the special set of clothes worn by members of a particular group as a means of identification

ANSWERS: 274. mass, 275. dimension, 276. numerous, 277. overarch, 278. efficient, 279. enhance, 280. bang, 281. forethought, 282. perspective, 283. uniform

284. c\_w herd *n.* a domesticated mammal with characteristic features such as a hump, large udders, and curved horns that is raised for its milk or meat
285. v\_\_t desert *adj.* enormous in size, number, amount, or quantity
286. a breach of pr\_\_\_\_ge *n.* a special right or advantage that only one person or group of people has, usually because they are rich and powerful in a society
287. an innovative pr\_\_\_\_al *n.* a formal suggestion or offer, sometimes a written one
288. laws of qu\_\_\_\_m mechanics *n.* the smallest amount or unit of something, especially (electromagnetic) energy
289. en\_\_\_\_s hours *adj.* having no end or conclusion; infinitely very large in size or amount
290. ex\_\_\_\_d agricultural output *v.* to increase or to make something greater in size, number, or importance
291. fine m\_\_t *n.* a cloud of very small drops of water collecting in the air just above the ground or water
292. v\_\_t majority *adj.* enormous in size, number, amount, or quantity
293. 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
294. look up\_\_\_\_d *adv.* toward the top or highest point, or a higher position or level; (adjective) extending or moving toward a higher place

ANSWERS: 284. cow, 285. vast, 286. privilege, 287. proposal, 288. quantum, 289. endless, 290. expand, 291. mist, 292. vast, 293. landscape, 294. upward

295. amateur ast\_\_\_\_\_er *n.* a physicist who studies astronomy
296. fa\_\_t memory *adj.* not strong, clear, or vigorous; slight or weak
297. ca\_\_\_\_\_te the distance *v.* to judge or find out the amount or number of something by using mathematics
298. be\_\_\_n with a hand *v.* to gesture or signal someone to come nearer or follow; to encourage or entice someone to do something; to seem attractive or desirable
299. the rem\_\_\_\_\_le breadth of knowledge *adj.* worthy of attention because unusual or special
300. a fountain of wi\_\_\_m *n.* the quality of being wise, or the ability to use your knowledge and experience to make sensible decisions
301. ma\_\_o scale *n.* (computing) a set of instructions that automate a frequently used series of keystrokes or mouse actions; (photography) a lens that allows you to take close-up photographs; (economics) a large-scale economic policy or system
302. su\_\_\_\_\_t that he is sick *v.* to consider anything to be actual or probable
303. at\_\_\_c bomb *adj.* of or relating to atom (= the smallest component of an element)
304. mat\_\_\_\_\_cs competition *n.* the science dealing with the logic of quantities, shapes, spaces, and arrangement

ANSWERS: 295. astronomer, 296. faint, 297. calculate, 298. beckon, 299. remarkable, 300. wisdom, 301. macro, 302. suspect, 303. atomic, 304. mathematics

305. wh\_\_\_y inadequate *adv.* completely, entirely, or altogether; without exception or reservation
306. severe cr\_\_\_c *n.* someone who expresses opinions about the quality of books, music, etc.
307. in\_\_\_\_\_t a cave *v.* to live in a specific location; to reside
308. wi\_\_\_m literature *n.* the quality of being wise, or the ability to use your knowledge and experience to make sensible decisions
309. ji\_\_\_ry feeling *n.* a slight and rapid irregular movement or trembling; a sensation of nervousness or unease; a technical term relating to variations in the timing of signals in electronic systems
310. ne\_\_\_\_\_no capture *n.* a very small and electrically neutral particle with a very small mass that rarely reacts with other matter
311. in\_\_\_e the right to remain silent *v.* to call upon or request help or support, especially from a higher power; to mention or use something as a reason or justification for actions or decisions
312. qu\_\_\_\_\_n the process *v.* to make or become faster or more rapid; to accelerate or speed up; to stimulate or stimulate something to happen or occur more quickly
313. 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
314. obs\_\_\_\_\_on instrument *n.* the act or activity of carefully examining or monitoring something or someone

ANSWERS: 305. wholly, 306. critic, 307. inhabit, 308. wisdom, 309. jitter, 310. neutrino, 311. invoke, 312. quicken, 313. planet, 314. observation

315. 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
316. sta\_\_\_\_\_art software *adj.* characterized by the use of the latest and most advanced technology or methods; cutting-edge
317. unsolved my\_\_\_\_\_y *n.* something difficult to understand or explain; a secret or enigmatic quality that adds to the fascination or interest of something; a genre of fiction that involves the solution of a crime or a puzzle
318. small mo\_\_\_\_\_les *n.* a group of two or more atoms held together by attractive forces known as chemical bonds
319. pos\_\_\_\_\_ty of a major earthquake *n.* a chance that something may happen or be true
320. gr\_\_d bargain *adj.* important and large in size, scope, or extent
321. write el\_\_\_\_\_t sentences *adj.* pleasing and graceful in appearance or manner, or showing good taste and refinement
322. 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
323. pos\_\_\_\_\_ty for growth *n.* a chance that something may happen or be true

ANSWERS: 315. universe, 316. state-of-the-art, 317. mystery, 318. molecule, 319. possibility, 320. grand, 321. elegant, 322. landscape, 323. possibility



324. mi\_\_\_\_\_ed policies *adj.* having or showing a wrong or mistaken understanding of a situation or course of action
325. exposure to ra\_\_\_\_\_on *n.* the energy that comes from a nuclear reaction in the form of rays, waves, or particles and that can be hazardous to health
326. tropical oa\_\_s *n.* a fertile land in a desert or semi-desert environment where there is water and therefore plants and trees and sometimes a village or town
327. a tr\_\_\_\_\_t visa *n.* the act or process of passing through or across a place or state; transportation
328. rigidly unc\_\_\_\_\_ng *adj.* not changing or subject to change; constant
329. protection against vi\_\_\_\_\_on *n.* a continuous quick and slight shaking movement
330. vi\_\_\_n soloist *n.* a four-stringed wooden musical instrument held against the neck and played by passing a bow across the strings
331. for\_\_\_\_\_ht in decision making *n.* the act of thinking about and planning for the future
332. fas\_\_\_\_\_ard 10 seconds *v.* to advance or move forward in time or progress, particularly in a rapid or accelerated manner; to increase the playback speed of a recording
333. oa\_\_s farming *n.* a fertile land in a desert or semi-desert environment where there is water and therefore plants and trees and sometimes a village or town

ANSWERS: 324. misguided, 325. radiation, 326. oasis, 327. transit, 328. unchanging, 329. vibration, 330. violin, 331. forethought, 332. fast-forward, 333. oasis

334. a beautiful sy\_\_\_\_ny *n.* a long musical composition in Western classical music for orchestra, usually with three or four main parts called movements
335. an in\_\_\_\_\_le asset *adj.* impossible or nearly impossible to see
336. inc\_\_\_\_\_ent results *adj.* not remaining constant or in agreement
337. ov\_\_\_\_\_me opponents *v.* to succeed in controlling or dealing with something, such as a problem or difficulty; to defeat or overwhelm someone
338. gra\_\_\_\_\_nal energy *adj.* relating to or caused by gravity (= the force that attracts objects towards one another)
339. a lunar pr\_\_e *n.* a tool used for testing or examining, especially for medical or scientific purposes, or an exploratory mission to a planet or other celestial body; (verb) to investigate, examine, or search into something
340. qu\_\_\_\_\_n heart rate *v.* to make or become faster or more rapid; to accelerate or speed up; to stimulate or stimulate something to happen or occur more quickly
341. he is ob\_\_\_sed with the fear *v.* to fill the mind of someone continually so that one can't think of anything else
342. new di\_\_\_\_\_on *n.* a measurable extent of a particular kind, such as width, height, or length
343. a criminal bac\_\_\_\_\_nd *n.* the details of a person's social heritage, such as family, vocational or educational experience; past information that is essential to understanding a situation or problem

ANSWERS: 334. symphony, 335. invisible, 336. inconsistent, 337. overcome, 338. gravitational, 339. probe, 340. quicken, 341. obsess, 342. dimension, 343. background

344. cut\_\_\_\_\_dge molecular biology      *adj.* being at the forefront of a particular field or development; (noun) the latest or most advanced stage in the development of a specific type of work or activity
345. in\_\_\_\_\_e heat      *adj.* (especially of a feeling) very strong; extremely sharp or severe
346. defense me\_\_\_\_\_sm      *n.* a part of a machine, or a set of parts that performs a task; a natural or established process that occurs during a specific situation or reaction
347. na\_\_\_\_\_ly arising      *adv.* as might be expected; by natural manners
348. gene va\_\_\_\_\_on      *n.* the act or state of changing; a difference or change in the way something is done, made or said
349. ob\_\_\_\_\_e a tradition      *v.* to watch or notice something carefully, often to gather information or insights; to take note of something or someone; to celebrate or commemorate a special event or occasion
350. vi\_\_\_\_\_e at a regular frequency      *v.* to move or cause anything to move fast and in small increments from side to side
351. pi\_\_\_\_\_nt the problem      *v.* to locate or identify the exact position in space or time of something
352. economic bu\_\_\_\_\_e      *n.* a thin, round, and often transparent mass of gas that is surrounded by a thin layer of liquid; a state of economic or social prosperity that is unsustainable and eventually collapses

ANSWERS: 344. cutting-edge, 345. intense, 346. mechanism, 347. naturally, 348. variation, 349. observe, 350. vibrate, 351. pinpoint, 352. bubble

353. the per\_\_\_\_\_ve of the battle      *n.* a confident attitude toward something; a particular style of thinking about something
354. a remote re\_\_\_\_\_ve      *adj.* considered and evaluated through comparison with something else
355. entirely an\_\_\_\_\_us      *adj.* similar or equivalent in some respects, typically as a result of functioning in a similar way
356. the characters that re\_\_\_\_\_nt numbers      *v.* to speak, act, or be present on behalf of another person or group; to form or constitute
357. distance g\_p      *n.* a conspicuous disparity or difference separates something such as a figure, people, their opinions, situation, etc.
358. at\_\_\_\_t to the truth      *v.* to provide evidence or proof of something; to confirm or certify the authenticity of something; to bear witness to the truth of something
359. class obs\_\_\_\_\_on day      *n.* the act or activity of carefully examining or monitoring something or someone
360. a gr\_\_d meal      *adj.* important and large in size, scope, or extent
361. ca\_\_\_\_\_te his credit score      *v.* to judge or find out the amount or number of something by using mathematics
362. the me\_\_\_\_\_sm for DNA replication      *n.* a part of a machine, or a set of parts that performs a task; a natural or established process that occurs during a specific situation or reaction

ANSWERS: 353. perspective, 354. relative, 355. analogous, 356. represent, 357. gap, 358. attest, 359. observation, 360. grand, 361. calculate, 362. mechanism

363. ex\_\_\_c species *adj.* originating from or characteristic of a foreign country or culture; strikingly unusual, uncommon, or intriguing
364. fa\_\_t aroma of roses *adj.* not strong, clear, or vigorous; slight or weak
365. a binocular te\_\_\_\_\_pe *n.* a device like a tube in shape containing lenses used to magnify and observe distant objects
366. come into co\_\_\_\_\_on with my friend *n.* an instance of two or more objects or entities crashing into each other, usually resulting in damage, impact, or conflict
367. co\_\_\_\_\_m a transaction *v.* to support or establish the truth or certainty of something previously believed or suspected to be the case
368. energy-ef\_\_\_\_\_nt appliances *adj.* performing at the highest level of productivity with the least wasted effort or resources; capable of achieving maximum output with minimum wasted effort, time, or materials
369. month's ou\_\_\_t *n.* the beginning of something
370. in\_\_\_\_\_t the stomach *v.* to live in a specific location; to reside
371. share my in\_\_\_\_\_ts *n.* the ability to gain an accurate and deep understanding of people or situations; an accurate and deep understanding of what something is like
372. have si\_\_\_\_\_ly great abilities *adv.* in almost the same way
373. the attraction of gr\_\_\_\_\_y *n.* the force that attracts a body towards the center of the earth or towards any other physical body having mass; a manner that is solemn

ANSWERS: 363. exotic, 364. faint, 365. telescope, 366. collision, 367. confirm, 368. efficient, 369. outset, 370. inhabit, 371. insight, 372. similarly, 373. gravity

374. ready to co\_\_\_\_\_se  
*v.* to fall down or give way suddenly, often after breaking apart
375. increase sl\_\_\_\_\_ly  
*adv.* in a small degree or extent; a little
376. art cr\_\_\_\_c  
*n.* someone who expresses opinions about the quality of books, music, etc.
377. m\_\_d physics with life science  
*v.* to combine or blend, especially in a way that produces a harmonious or unified whole; to merge or fuse
378. spiritual as\_\_\_\_t  
*n.* the act of climbing or moving upwards, often referring to a physical ascent of a mountain or a spiritual ascent or improvement; an upward movement; the process of moving upwards
379. de\_\_\_\_\_e respect  
*v.* to be worthy of or entitled to something, especially something good or valuable
380. hi\_\_\_\_\_ht a string in red  
*v.* to make something prominent, mainly so that people give it more attention
381. st\_\_\_\_c electricity  
*adj.* not moving or not capable of moving, not changing or not capable of changing
382. a\_m to be a nurse  
*v.* to try or plan to get or achieve something
383. ex\_\_\_\_\_e the data studiously  
*v.* to study or consider a person or object attentively and thoroughly to learn something about them
384. develop in\_\_\_\_\_e itching  
*adj.* (especially of a feeling) very strong; extremely sharp or severe
385. 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

ANSWERS: 374. collapse, 375. slightly, 376. critic, 377. meld, 378. ascent, 379. deserve, 380. highlight, 381. static, 382. aim, 383. examine, 384. intense, 385. gravity

386. gr\_\_\_\_te degree program *n.* a person who has a first degree from university or college; (verb) to complete the first course of university or college and get a degree
387. design to be dis\_\_\_\_ve *adj.* having a quality or characteristic that makes it stand out from others
388. extreme tem\_\_\_\_res *n.* the degree of hotness or coldness of a thing or place
389. a def\_\_\_\_ve edition *adj.* serving to provide a final solution or to end a situation; final and not able to be changed
390. re\_\_\_\_nt by a diagram *v.* to speak, act, or be present on behalf of another person or group; to form or constitute
391. st\_\_\_\_h a story *v.* to make or be capable of making anything longer or broader without hurting or breaking
392. at\_\_\_\_c nucleus *adj.* of or relating to atom (= the smallest component of an element)
393. co\_\_\_\_m the diagnosis *v.* to support or establish the truth or certainty of something previously believed or suspected to be the case
394. en\_\_\_\_e the flavor of the vanilla *v.* to increase or improve the quality, amount, or strength of someone or something
395. t\_\_m with activity *v.* to be abuzz; to move in large numbers; to fall heavily
396. fun\_\_\_\_al education *adj.* forming an essential base or core from which everything else develops or is affected

ANSWERS: 386. graduate, 387. distinctive, 388. temperature, 389. definitive, 390. represent, 391. stretch, 392. atomic, 393. confirm, 394. enhance, 395. teem, 396. fundamental

397. beauty s\_\_t *n.* a particular location or place; a small round or roundish area, differing in color or feels from the surface around it
398. pre-Christian an\_\_\_\_t *adj.* relating to the long ago, particularly the historical period preceding the fall of the Western Roman Empire; very old
399. rev\_\_\_\_\_ary change *adj.* relating to or characterized by a complete or dramatic change
400. se\_\_\_\_\_te cream from milk *v.* to force, take, or pull apart; mark as different
401. va\_\_\_\_\_on of temperature *n.* the act or state of changing; a difference or change in the way something is done, made or said
402. an\_\_\_\_t stories *adj.* relating to the long ago, particularly the historical period preceding the fall of the Western Roman Empire; very old
403. re\_\_\_\_\_ve factors *adj.* considered and evaluated through comparison with something else
404. the ou\_\_\_t of the crisis *n.* the beginning of something
405. de\_\_\_t a bad event *v.* to find or recognize something, especially something difficult to see, hear, etc.
406. ex\_\_\_\_\_e the issue *v.* to study or consider a person or object attentively and thoroughly to learn something about them
407. con\_\_\_\_\_ial policy *adj.* causing a lot of hot public discussion and dispute
408. make a cal\_\_\_\_\_on *n.* the act or process of using numbers to judge an amount of something

ANSWERS: 397. spot, 398. ancient, 399. revolutionary, 400. separate, 401. variation, 402. ancient, 403. relative, 404. outset, 405. detect, 406. examine, 407. controversial, 408. calculation



409. beyond the re\_\_m of possibility      *n.* a domain of activity, interest, or knowledge
410. fun\_\_\_\_\_al rights      *adj.* forming an essential base or core from which everything else develops or is affected
411. physical co\_\_\_\_\_gy      *n.* the scientific study of the nature and origin of the universe
412. a weather ch\_\_t      *n.* a visual display of information such as a diagram, lists of figures, etc.; a map designed to assist navigation by air or sea
413. an\_\_\_\_\_us behavior      *adj.* deviating from what is standard or expected; unexpected or unusual in a way that is difficult to explain
414. a mi\_\_\_\_\_ed sense of duty      *adj.* having or showing a wrong or mistaken understanding of a situation or course of action
415. hi\_\_\_\_\_ic accomplishment      *adj.* famous or significant in history, or potentially so
416. ph\_\_\_n emission      *n.* a unit or quantum of electromagnetic energy, typically regarded as a particle that is the basic constituent of all light and other forms of electromagnetic radiation
417. laws of ph\_\_\_\_\_s      *n.* the science of matter and energy and their interactions
418. vi\_\_\_\_\_ly identical      *adv.* almost completely
419. dis\_\_\_\_\_ve ability      *adj.* having a quality or characteristic that makes it stand out from others

ANSWERS: 409. realm, 410. fundamental, 411. cosmology, 412. chart, 413. anomalous, 414. misguided, 415. historic, 416. photon, 417. physics, 418. virtually, 419. distinctive

420. the pr\_\_\_\_nd depths of the sea      *adj.* extremely great; sensed or experienced very strongly; displaying a high level of knowledge or comprehension
421. na\_\_\_\_\_ly regenerated forest      *adv.* as might be expected; by natural manners
422. co\_\_\_\_\_e in midair      *v.* to hit something violently when moving
423. gloomy pre\_\_\_\_\_ons      *n.* the act of predicting the future by reasoning; a statement made about the future
424. fas\_\_\_\_\_ard to the good part      *v.* to advance or move forward in time or progress, particularly in a rapid or accelerated manner; to increase the playback speed of a recording
425. the imp\_\_\_\_\_on of a word      *n.* something that is inferred or indirectly stated; the act or fact of being involved in something
426. st\_\_k truth      *adj.* empty, simple, or apparent; devoid of any qualifications
427. an ou\_\_\_\_\_d journey      *adj.* relating to the external appearance or surface of something; visible
428. a\_m at a specific target      *v.* to try or plan to get or achieve something

ANSWERS: 420. profound, 421. naturally, 422. collide, 423. prediction, 424. fast-forward, 425. implication, 426. stark, 427. outward, 428. aim

## Session 3: Fill in the Blanks

1. Investment in index funds can often be a hedge against \_\_\_\_\_.  
*n.* a general and progressive increase in prices; (cosmology) a theory of the exponential expansion of space in the early universe; the act of filling something with air
2. My mother's illness had a \_\_\_\_\_ impact on us all.  
*adj.* extremely great; sensed or experienced very strongly; displaying a high level of knowledge or comprehension
3. They gathered to hear the \_\_\_\_\_ teachings of the guru.  
*adj.* of or related to a god, divine power, or a particular religion
4. We elected him to \_\_\_\_\_ us at the international conference.  
*v.* to speak, act, or be present on behalf of another person or group; to form or constitute
5. The \_\_\_\_\_ leader inspired others to join the fight for freedom and democracy.  
*adj.* relating to or characterized by a complete or dramatic change
6. Despite their tragic loss, the family is showing great \_\_\_\_\_.  
*n.* the part of a person which is the seat of their mind, feelings, and character rather than their physical body; the general atmosphere of a place or situation and the effect that it has on people
7. The political situation \_\_\_\_\_ the country's economic growth and foreign relations.  
*v.* to restrict or limit someone or something's freedom or ability to do something

ANSWERS: 1. inflation, 2. profound, 3. holy, 4. represent, 5. revolutionary, 6. spirit, 7. constrained

8. The \_\_\_\_\_ platform focused on healthcare reform and reducing income inequality.  
*n.* a person who is seeking or being considered for some kind of position, title, honor, or award; a job applicant
9. The study provided \_\_\_\_\_ proof of the effectiveness of the new drug.  
*adj.* serving to provide a final solution or to end a situation; final and not able to be changed
10. The issue of the death penalty is highly \_\_\_\_\_.  
*adj.* causing a lot of hot public discussion and dispute
11. This year's \_\_\_\_\_ gathering will be held in Canada.  
*adj.* important and large in size, scope, or extent
12. The \_\_\_\_\_ opinion was that the project would be a success.  
*adj.* most frequent, widespread, or currently dominant, usually referring to a particular opinion, attitude, or trend
13. He moved his body \_\_\_\_\_ to the left.  
*adv.* in a small degree or extent; a little
14. I am \_\_\_\_\_ committed to this project and will work hard to bring it to fruition.  
*adv.* completely, entirely, or altogether; without exception or reservation
15. His father's death changed his whole \_\_\_\_\_ on life.  
*n.* a confident attitude toward something; a particular style of thinking about something

ANSWERS: 8. candidate's, 9. definitive, 10. controversial, 11. grand, 12. prevailing, 13. slightly, 14. wholly, 15. perspective

16. The prime minister canceled visits to other countries to resolve \_\_\_\_\_ disputes.

*adj.* of or relating to the inside of something

17. A \_\_\_\_\_ audience viewed the broadcast.

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

18. They hope to \_\_\_\_\_ their business worldwide.

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

19. Health and \_\_\_\_\_ are, above all, gold.

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

20. The police used a \_\_\_\_\_ scanner to identify the suspect.

*n.* a unique pattern of ridges and valleys on the surface of a finger that can be used to identify a person

21. The company's hiring criteria emphasize personality, not a person's \_\_\_\_\_.

*n.* the details of a person's social heritage, such as family, vocational or educational experience; past information that is essential to understanding a situation or problem

22. As the sun set, the colors of the sky merged with the \_\_\_\_\_ creating a beautiful orange and pink hue.

*n.* the line at which the earth's surface and the sky appear to meet; the range of interest or activity that can be anticipated

23. The farmer milked the \_\_\_\_\_ every morning before breakfast.

*n.* a domesticated mammal with characteristic features such as a hump, large udders, and curved horns that is raised for its milk or meat

ANSWERS: 16. internal, 17. vast, 18. expand, 19. strength, 20. fingerprint, 21. background, 22. horizon, 23. cows

24. It's notoriously challenging to \_\_\_\_\_ birth rates.
- v. to state beforehand that something will happen in the future, mainly based on knowledge or experience
25. The hospital has \_\_\_\_\_ equipment and facilities to ensure the best healthcare for its patients.
- adj. characterized by the use of the latest and most advanced technology or methods; cutting-edge
26. It would be best if you \_\_\_\_\_ out all those old magazines.
- v. to throw something carelessly with a light motion
27. The caffeine in my coffee causes me to experience nervous \_\_\_\_\_.
- n. a slight and rapid irregular movement or trembling; a sensation of nervousness or unease; a technical term relating to variations in the timing of signals in electronic systems
28. The \_\_\_\_\_ of this information to the current situation needs to be investigated.
- n. the state or degree of being closely connected or appropriate to the matter at hand
29. She was \_\_\_\_\_ with the city and got lost while trying to find her way back to the hotel.
- adj. not known or recognized; not experienced or encountered before
30. The outermost \_\_\_\_\_ shell determines the chemical properties of an atom.
- n. a tiny particle with the negative electrical charge
31. These descriptions are based on a number of \_\_\_\_\_ assumptions.
- adj. amounting to a large indefinite number

ANSWERS: 24. predict, 25. state-of-the-art, 26. tossed, 27. jitter, 28. relevance, 29. unfamiliar, 30. electron, 31. numerous

32. The cops \_\_\_\_\_ him of being the killer.

*v.* to consider anything to be actual or probable

33. He discovered unique \_\_\_\_\_ for photochemical reactions.

*n.* a part of a machine, or a set of parts that performs a task; a natural or established process that occurs during a specific situation or reaction

34. Many people worry that the current real estate market is a \_\_\_\_\_ that could burst soon.

*n.* a thin, round, and often transparent mass of gas that is surrounded by a thin layer of liquid; a state of economic or social prosperity that is unsustainable and eventually collapses

35. He was \_\_\_\_\_ gifted.

*adv.* as might be expected; by natural manners

36. I will introduce you to how to \_\_\_\_\_ the leading causes of the malfunction.

*v.* to recognize someone or something and say or prove who or what they are

37. He is a good-natured and \_\_\_\_\_ man.

*adj.* friendly and generous to visitors or guests

38. The \_\_\_\_\_ of Mexico is a body of water in the southern United States.

*n.* a large ocean inlet or deep bay that is partially enclosed by land

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

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

40. The car \_\_\_\_\_ after colliding with the tree.

*v.* to collapse or crumple into a disordered or wrinkled mass; to fall apart or lose strength suddenly; to become emotionally distressed or overwhelmed

ANSWERS: 32. suspected, 33. mechanisms, 34. bubble, 35. naturally, 36. identify, 37. hospitable, 38. Gulf, 39. physics, 40. crumpled

41. 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
42. This radar quickly \_\_\_\_\_ the position of the enemy.  
*v.* to locate or identify the exact position in space or time of something
43. The human heart is \_\_\_\_\_ to a pump in a plumbing system.  
*adj.* similar or equivalent in some respects, typically as a result of functioning in a similar way
44. Human behavior has \_\_\_\_\_ characteristics.  
*adj.* forming an essential base or core from which everything else develops or is affected
45. Your \_\_\_\_\_ reflects your thoughts.  
*n.* an informal talk between two or more people to exchange their views, ideas, information, etc.
46. His \_\_\_\_\_ presentation deeply moved everyone.  
*adj.* arousing strong and irresistible interest, attention, or admiration
47. The meal was \_\_\_\_\_ and left her feeling hungry an hour later.  
*adj.* not fulfilling someone's desires, expectations, or needs; incomplete or inadequate.
48. He brought a map and compass with \_\_\_\_\_ in case he got lost on the hike.  
*n.* the act of thinking about and planning for the future

ANSWERS: 41. progression, 42. pinpoints, 43. analogous, 44. fundamental, 45. conversation, 46. compelling, 47. unsatisfying, 48. forethought



49. The scenery of the battlefield was \_\_\_\_\_ and grey.

*adj.* empty, simple, or apparent; devoid of any qualifications

50. The \_\_\_\_\_ force of the black hole was so strong that nothing, not even light, could escape.

*adj.* relating to or caused by gravity (= the force that attracts objects towards one another)

51. The two plays have many \_\_\_\_\_ parallels.

*adj.* attractive and distinctive enough to draw notice; exceedingly appealing, frequently in an odd manner

52. The \_\_\_\_\_ technology was revolutionary in its field.

*adj.* being at the forefront of a particular field or development; (noun) the latest or most advanced stage in the development of a specific type of work or activity

53. He \_\_\_\_\_ that this investment would lead to success.

*v.* to form a theory or conjecture or guess about a subject without solid evidence

54. He won the \_\_\_\_\_ for best actor at the film festival.

*n.* a prize or other mark of recognition given in honor of an achievement

55. The explorer ventured into \_\_\_\_\_ territory, not knowing what to expect.

*adj.* not mapped or surveyed; unknown or unexplored; without a clear or definite course of action

56. A thunderous boom \_\_\_\_\_ throughout the valley.

*n.* a sound heard after being reflected off a surface, such as a wall or a cliff

ANSWERS: 49. stark, 50. gravitational, 51. striking, 52. cutting-edge, 53. speculated, 54. award, 55. uncharted, 56. echoed

57. His \_\_\_\_\_ attempt to fix the problem only made it worse.

*adj.* having or showing a wrong or mistaken understanding of a situation or course of action

58. During the flight, the wings of the plane \_\_\_\_\_.

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

59. This pie \_\_\_\_\_ represents our market share.

*n.* a visual display of information such as a diagram, lists of figures, etc.; a map designed to assist navigation by air or sea

60. 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

61. The data from the study was \_\_\_\_\_ and unexpected.

*adj.* deviating from what is standard or expected; unexpected or unusual in a way that is difficult to explain

62. I heard the \_\_\_\_\_ of his boots in the hallway.

*n.* a small group of bushes, trees, flowers, people, etc.

63. The \_\_\_\_\_ scarcity most severely impacted the manufacturing sector

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

64. The election was a \_\_\_\_\_ success for the Whigs.

*adj.* worthy of attention because unusual or special

65. This approach employs both \_\_\_\_\_ and macro analysis methods.

*n.* extremely small in scale or scope; one millionth

ANSWERS: 57. misguided, 58. vibrate, 59. chart, 60. static, 61. anomalous, 62. clump, 63. fuel, 64. remarkable, 65. micro

66. The cello is a member of the \_\_\_\_\_ family.
- n.* a four-stringed wooden musical instrument held against the neck and played by passing a bow across the strings
67. This scene \_\_\_\_\_ the entire first act.
- v.* to be central or dominant; to form an arch over
68. The various universes within the \_\_\_\_\_ are sometimes called parallel universes.
- n.* a hypothetical space or realm consisting of multiple universes, of which our universe is just one of them
69. He sent a \_\_\_\_\_ to let his family know he was safe.
- n.* a message sent by telegraph (= a method of long-distance transmission of messages by electrical or radio signals), typically consisting of a few words and sent at a reduced rate for urgent or brief communications
70. He stepped on the gas pedal, and the engine released a loud \_\_\_\_.
- n.* a measure of the rate at which an engine or motor rotates, often expressed in revolutions per minute (RPM); (verb) to increase the number of rotations per minute
71. The chef \_\_\_\_\_ the flavors of the spice blend to create the perfect marinade.
- v.* to combine or blend, especially in a way that produces a harmonious or unified whole; to merge or fuse
72. These results muddied the \_\_\_\_\_.
- n.* the act of predicting the future by reasoning; a statement made about the future
73. The unique style of this martial arts \_\_\_\_\_ many action film producers.
- v.* to make somebody fill with the desire, confidence, or enthusiasm, especially to do something creative

ANSWERS: 66. violin, 67. overarches, 68. multiverse, 69. telegram, 70. rev, 71. melded, 72. prediction, 73. inspired

74. The politician \_\_\_\_\_ the name of the founding fathers in his speech.
- v. to call upon or request help or support, especially from a higher power; to mention or use something as a reason or justification for actions or decisions
75. He tried to \_\_\_\_\_ a bad reputation and win the election.
- v. to succeed in controlling or dealing with something, such as a problem or difficulty; to defeat or overwhelm someone
76. I need to \_\_\_\_\_ my pace to finish this project on time.
- v. to make or become faster or more rapid; to accelerate or speed up; to stimulate or stimulate something to happen or occur more quickly
77. Perseverance and optimism are \_\_\_\_\_ to success.
- adj. necessary for the success or continued existence of something
78. The \_\_\_\_\_ supplied water for early farms until the modern age.
- n. a fertile land in a desert or semi-desert environment where there is water and therefore plants and trees and sometimes a village or town
79. \_\_\_\_\_ displaced part of the mechanism.
- n. a continuous quick and slight shaking movement
80. I heated my leftover food in the \_\_\_\_\_ oven, which tasted just as good as freshly cooked.
- n. a form of electromagnetic radiation with wavelengths ranging from about one millimeter to one meter and frequencies between 300 MHz (0.3 GHz) and 300 GHz; an electric oven that cooks food by exposing it to high-frequency electromagnetic radiation, which causes the food molecules to vibrate and heat up quickly

ANSWERS: 74. invoked, 75. overcome, 76. quicken, 77. vital, 78. oasis, 79. Vibration, 80. microwave

81. \_\_\_\_\_ rays are high-energy particles that originate from outside the solar system.

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

82. 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

83. The project's \_\_\_\_\_ made it difficult for the team to complete it on time.

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

84. His poem has a very significant \_\_\_\_\_.

*n.* something that is inferred or indirectly stated; the act or fact of being involved in something

85. One \_\_\_\_\_ of success is having a positive attitude and a strong work ethic.

*n.* a factor, circumstance, or condition that contributes to the shaping, influencing, or determining of a particular outcome or result

86. We argue that wages for temporary workers should \_\_\_\_\_ rise.

*adv.* in almost the same way

87. The politician's rhetoric was so \_\_\_\_\_ that many people refused to vote for him.

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

88. The romantic couple had a picnic under the \_\_\_\_\_.

*n.* the light emitted or reflected by stars, often observed in the night sky; the radiant energy emitted by stars

ANSWERS: 81. Cosmic, 82. atom, 83. complexity, 84. implication, 85. determinant, 86. similarly, 87. repulsive, 88. starlight

89. The company's stock gives a high \_\_\_\_\_.
- n.* the total output of crops, profits, etc. that are produced; (verb) to produce or supply helpful something, such as a profit, an amount of food, or information
90. The introduction \_\_\_\_\_ the speaker's distinguished career as a consultant
- v.* to make something prominent, mainly so that people give it more attention
91. His writing style was \_\_\_\_\_ with a clear and concise voice.
- adj.* having a quality or characteristic that makes it stand out from others
92. The \_\_\_\_\_ surrounding the disappearance of the traveler has yet to be solved by authorities.
- n.* something difficult to understand or explain; a secret or enigmatic quality that adds to the fascination or interest of something; a genre of fiction that involves the solution of a crime or a puzzle
93. That statement by the prime minister drew \_\_\_\_\_ international criticism.
- adj.* (especially of a feeling) very strong; extremely sharp or severe
94. I \_\_\_\_\_ to him that I had seen his sister at the grocery store earlier that day.
- v.* to speak or write about something or someone briefly
95. There are \_\_\_\_\_ methods for dealing with stress.
- adj.* too numerous to be counted or very many
96. Cities around the world set records for highest \_\_\_\_\_ this summer.
- n.* the degree of hotness or coldness of a thing or place

ANSWERS: 89. yield, 90. highlighted, 91. distinctive, 92. mystery, 93. intense, 94. mentioned, 95. countless, 96. temperatures

97. At the \_\_\_\_\_ of the project, we encountered several obstacles.  
*n.* the beginning of something
98. He couldn't \_\_\_\_\_ the actual value of the artwork.  
*v.* to judge or find out the amount or number of something by using mathematics
99. The new washing machine is much more \_\_\_\_\_ than the old one.  
*adj.* performing at the highest level of productivity with the least wasted effort or resources; capable of achieving maximum output with minimum wasted effort, time, or materials
100. She \_\_\_\_\_ fresh herbs into the soup for added flavor.  
*v.* to fill something with a particular quality, feeling, or influence; to imbue
101. The \_\_\_\_\_ shadows created a spooky atmosphere in the room.  
*adj.* resembling, containing, or covered in ink; dark, opaque, or intense in color or appearance
102. The city \_\_\_\_\_ with traffic on holiday.  
*v.* to be abuzz; to move in large numbers; to fall heavily
103. Overall \_\_\_\_\_ are approximately 400x200mm.  
*n.* a measurable extent of a particular kind, such as width, height, or length
104. We need to \_\_\_\_\_ the aspect of his personality from the part of his competence when making an investment decision.  
*v.* to force, take, or pull apart; mark as different
105. \_\_\_\_\_ photography is a technique that allows you to take close-up photos of small objects.  
*n.* (computing) a set of instructions that automate a frequently used series of keystrokes or mouse actions; (photography) a lens that allows you to take close-up photographs; (economics) a large-scale economic policy or system

ANSWERS: 97. outset, 98. calculate, 99. efficient, 100. infused, 101. inky, 102. teems, 103. dimensions, 104. separate, 105. Macro

106. Professional skaters can spin fast on the ice without getting \_\_\_\_\_.  
*adj.* having or causing a whirling sensation and not able to keep balance
107. His strict \_\_\_\_\_ instilled in him a strong sense of responsibility.  
*n.* the conditions and experiences in which a child is cared for and taught, especially in relation to their moral and social development
108. It is an incredible \_\_\_\_\_ to climb Mount Everest, the highest mountain in the world.  
*n.* a notable or impressive achievement, especially one that requires great skill or bravery
109. 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
110. The new strategy will \_\_\_\_\_ the profitability of our company.  
*v.* to increase or improve the quality, amount, or strength of someone or something
111. Some herds have been observed to \_\_\_\_\_ hundreds of kilometers.  
*v.* to make or be capable of making anything longer or broader without hurting or breaking
112. The interests of the two countries \_\_\_\_\_.  
*v.* to hit something violently when moving
113. Her response revealed \_\_\_\_\_ idiocy.  
*adj.* unbelievable; enormous

ANSWERS: 106. dizzy, 107. upbringing, 108. feat, 109. molecule, 110. enhance, 111. stretch, 112. collide, 113. incredible



114. Many people are working together to close the gender \_\_\_\_.

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

115. She sang \_\_\_\_\_ in the talent show and won first place.

*adv.* in a manner that is extremely or unbelievably good, impressive, or bizarre; in a fanciful or imaginative way

116. It's important to understand the \_\_\_\_\_ of a situation before making a decision.

*n.* the circumstances, facts, or conditions that surround a particular event, situation, or statement and that give it meaning

117. The \_\_\_\_\_ fireworks display was the highlight of the festival.

*adj.* striking or impressive to look at or in performance or achievement

118. During colonial eras, new migratory patterns \_\_\_\_\_.

*v.* to move out of or away from something and become visible

119. Please write to \_\_\_\_\_ your reservation.

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

120. 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

121. In \_\_\_\_\_ private corporations provide healthcare services.

*n.* the act or process of adding something to something else; the process of adding numbers

ANSWERS: 114. gap, 115. fantastically, 116. context, 117. spectacular, 118. emerged, 119. confirm, 120. galaxy, 121. addition,

122. \_\_\_\_\_ advances have disrupted many industries.  
*adj.* based on scientific and industrial progress
123. The error in the \_\_\_\_\_ was attributable to rounding.  
*n.* the act or process of using numbers to judge an amount of something
124. I can \_\_\_\_\_ to his honesty and integrity, as I have known him for many years.  
*v.* to provide evidence or proof of something; to confirm or certify the authenticity of something; to bear witness to the truth of something
125. He has a flair for \_\_\_\_\_.  
*n.* the science dealing with the logic of quantities, shapes, spaces, and arrangement
126. This question has fascinated solar \_\_\_\_\_ for decades.  
*n.* a physicist who studies astronomy
127. The employee \_\_\_\_\_ the promotion for their hard work and dedication.  
*v.* to be worthy of or entitled to something, especially something good or valuable
128. The warm sun and gentle breeze \_\_\_\_\_ us to spend the day outside.  
*v.* to gesture or signal someone to come nearer or follow; to encourage or entice someone to do something; to seem attractive or desirable
129. We \_\_\_\_\_ a cease-fire.  
*v.* to come to an end or close; to reach a judgment or opinion by reasoning
130. The community greatly respected and sought after the older adult's \_\_\_\_\_.  
*n.* the quality of being wise, or the ability to use your knowledge and experience to make sensible decisions

ANSWERS: 122. Technological, 123. calculation, 124. attest, 125. mathematics, 126. astronomers, 127. deserved, 128. beckoned, 129. concluded, 130. wisdom

131. We \_\_\_ for an overseas expansion.

*v.* to try or plan to get or achieve something

132. This facility has the largest astronomical \_\_\_\_\_ in the country.

*n.* a device like a tube in shape containing lenses used to magnify and observe distant objects

133. Many employers hire \_\_\_\_\_ trainees to train as managers.

*n.* a person who has a first degree from university or college; (verb) to complete the first course of university or college and get a degree

134. This lawsuit appears to be unfair and \_\_\_\_\_.

*adj.* not remaining constant or in agreement

135. The \_\_\_\_\_ of getting the disease will drastically increase.

*n.* a chance that something may happen or be true

136. The \_\_\_\_\_ of tectonic plates can result in new mountain ranges, such as the Himalayas or the Alps.

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

137. Our skeleton outline of the \_\_\_\_\_ met with much opposition.

*n.* a formal suggestion or offer, sometimes a written one

138. Bungee jumping was an \_\_\_\_\_ experience that left me shaking with adrenaline.

*adj.* making one feel very happy and lively; invigorating; providing a feeling of excitement or thrill

ANSWERS: 131. aim, 132. telescope, 133. graduate, 134. inconsistent, 135. possibility, 136. collision, 137. proposal, 138. exhilarating

139. Advocates for legal reform hear less harsh words from their \_\_\_\_\_.
- n.* someone who expresses opinions about the quality of books, music, etc.
140. Most countries prohibit sexual activity between certain close \_\_\_\_\_.
- adj.* considered and evaluated through comparison with something else
141. This country has a nationally \_\_\_\_\_ culture.
- adj.* always the same; showing a single form or character in all occurrences; (noun) the special set of clothes worn by members of a particular group as a means of identification
142. The sun has risen, and the \_\_\_\_\_ has faded.
- n.* a cloud of very small drops of water collecting in the air just above the ground or water
143. People in the area were forced to \_\_\_\_\_ a taxi due to the lack of public transportation options.
- v.* to call out to someone to get their attention, often from a distance; to greet or welcome someone, especially with enthusiasm or admiration; (noun) precipitation in the form of small balls or lumps of ice that fall from the sky
144. Eyeless fish \_\_\_\_\_ in dark caves.
- v.* to develop gradually, or to cause the development of something or someone gradually
145. \_\_\_\_\_ all the parties signed the contract.
- adv.* almost completely
146. He tried every possible treatment, including chemotherapy and \_\_\_\_\_ therapy.
- n.* the energy that comes from a nuclear reaction in the form of rays, waves, or particles and that can be hazardous to health

ANSWERS: 139. critics, 140. relatives, 141. uniform, 142. mist, 143. hail, 144. evolved, 145. Virtually, 146. radiation

147. He \_\_\_\_\_ his investigation into a medical clinic.

*v.* to become or make something broader, wider, more extensive

148. 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

149. During the unloading, the container box \_\_\_\_\_ a clicking sound.

*v.* to give off or send out something such as light, heat, sound, gas, etc.

150. 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

151. 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

152. In the Middle Ages, the right to hunt in the wild was the \_\_\_\_\_ of royalty and nobility.

*n.* a special right or advantage that only one person or group of people has, usually because they are rich and powerful in a society

153. The Big Bang theory states that \_\_\_\_\_ plasma filled the entire universe before matter as we know it was created.

*n.* a type of elementary particle and a fundamental constituent of matter that make up the heavier elementary particles, such as protons, neutrons, etc.; fresh unripened cheese of a smooth texture made from pasteurized milk, a starter, and rennet

ANSWERS: 147. widened, 148. ancient, 149. emits, 150. universe, 151. planet, 152. privilege, 153. quark-gluon

154. I have no idea what sort of folks \_\_\_\_\_ the neighborhood.

*v.* to live in a specific location; to reside

155. She heard a \_\_\_\_\_ nearly invisible scream.

*adj.* not strong, clear, or vigorous; slight or weak

156. Big techs are now eager to develop \_\_\_\_\_ computers.

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

157. Carbon has an \_\_\_\_\_ mass of 12.

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

158. The Chinese people have accomplished several \_\_\_\_\_ feats.

*adj.* famous or significant in history, or potentially so

159. The company adjusted the revenue \_\_\_\_\_.

*adv.* toward the top or highest point, or a higher position or level; (adjective)  
extending or moving toward a higher place

160. The \_\_\_\_\_ of people who do not own property is politically impotent.

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

161. I am considering what I should do to \_\_\_\_\_ him.

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

162. Infrared cameras detect \_\_\_\_\_ in the infrared range of the electromagnetic spectrum.

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

ANSWERS: 154. inhabit, 155. faint, 156. quantum, 157. atomic, 158. historic, 159. upward, 160. mass, 161. convince, 162. photons

163. The marathon runner covered a long \_\_\_\_\_ in a short amount of time.  
*n.* the amount of space between two points, measured in units such as miles, meters, or kilometers; the extent, scope, or range between two things, such as distance or emotional distance
164. The defendant gave a \_\_\_\_\_ and accurate description of the accident.  
*adj.* easy to do or understand, or simple; free from ambiguity
165. We gained various \_\_\_\_\_ by analyzing the vast amount of data owned by the company.  
*n.* the ability to gain an accurate and deep understanding of people or situations; an accurate and deep understanding of what something is like
166. She wore an \_\_\_\_\_ evening gown to the gala.  
*adj.* pleasing and graceful in appearance or manner, or showing good taste and refinement
167. I love trying \_\_\_\_\_ foods from different cultures.  
*adj.* originating from or characteristic of a foreign country or culture; strikingly unusual, uncommon, or intriguing
168. She wore a \_\_\_\_\_ of pearls around her neck.  
*n.* long, thin material used for tying things together, composed of several twisted threads
169. This laboratory has a pool consisting of thousands of \_\_\_\_\_ detectors.  
*n.* a very small and electrically neutral particle with a very small mass that rarely reacts with other matter

ANSWERS: 163. distance, 164. straightforward, 165. insights, 166. elegant, 167. exotic, 168. string, 169. neutrino

170. We can calculate the position of the \_\_\_\_\_ statistically.

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

171. 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

172. The \_\_\_\_\_ appearance of the building was impressive, but the inside was in dire need of repairs.

*adj.* relating to the external appearance or surface of something; visible

173. The company is undergoing an \_\_\_\_\_ opening new locations in several states.

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

174. The project's \_\_\_\_\_ outlined the goals and requirements for the team to complete.

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

175. I was able to \_\_\_\_\_ the moment on film.

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

176. We plan to schedule the feature update for the \_\_\_\_\_ ten days of September.

*adj.* situated nearer to the end of something than the beginning; recent

ANSWERS: 170. particles, 171. astronomical, 172. outward, 173. expansion, 174. specifications, 175. capture, 176. latter



177. 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

178. This remote \_\_\_\_\_ is rarely visited.

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

179. The phenomenon is \_\_\_\_\_ at optical wavelengths.

*adj.* impossible or nearly impossible to see

180. He looked out the window at the \_\_\_\_\_ stream of people.

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

181. His stubborn refusal to listen to others' opinions displayed his \_\_\_\_\_ thinking.

*adj.* characterized by stubborn or persistently mistaken beliefs or opinions; misguided or lacking in sound judgment or reasoning

182. I like to \_\_\_\_\_ through commercials when watching TV shows.

*v.* to advance or move forward in time or progress, particularly in a rapid or accelerated manner; to increase the playback speed of a recording

183. Public \_\_\_\_\_ is an essential service for many cities.

*n.* the act or process of passing through or across a place or state; transportation

184. This titanium bike frame is advertised as \_\_\_\_\_.

*adj.* not able to be broken or damaged

ANSWERS: 177. landscape, 178. spot, 179. invisible, 180. endless, 181. wrong-headed, 182. fast-forward, 183. transit, 184. unbreakable

185. \_\_\_\_\_ evolved from people's philosophical questions about the natural world.  
*n.* the scientific study of the nature and origin of the universe
186. Her research team made an important \_\_\_\_\_.  
*n.* the act or process of finding information, a place, or an object, or learning about something that was previously not known
187. Supercomputers enable scientists to create computational models of the \_\_\_\_\_.  
*n.* another name for the universe, mainly used when it is thought of as an ordered system
188. The roof finally \_\_\_\_\_ after three days and three nights of heavy snowfall.  
*v.* to fall down or give way suddenly, often after breaking apart
189. The sun set over the crest of \_\_\_\_\_ hills.  
*adj.* far away in space, time, or where you are; far apart in relevance, relationship, or kinship
190. He's utterly \_\_\_\_\_ with his promotion.  
*v.* to fill the mind of someone continually so that one can't think of anything else
191. 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
192. The \_\_\_\_\_ nature of the mountain range was a source of constant wonder for the hikers.  
*adj.* not changing or subject to change; constant

ANSWERS: 185. Cosmology, 186. discovery, 187. cosmos, 188. collapsed, 189. distant, 190. obsessed, 191. bang, 192. unchanging

193. Initially, we must \_\_\_\_\_ all project-related expenses.

- v.* to study or consider a person or object attentively and thoroughly to learn something about them

194. We must \_\_\_\_\_ a new system to streamline our workflow and increase efficiency.

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

195. 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

196. The juice has a \_\_\_\_\_ taste.

- adj.* odd and uncommon, sometimes in an unpleasant way

197. The training of a hawk was a \_\_\_\_\_ process.

- adj.* cautious and correct, and requiring a significant amount of effort

198. The \_\_\_\_\_ in the light bulb burned out, and now it's not working.

- n.* a thin wire or thread, especially one used to produce light in an electric bulb

199. The golfer recorded an \_\_\_\_\_ distance.

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

200. Her passions are in the \_\_\_\_\_ of real-world political affairs.

- n.* a domain of activity, interest, or knowledge

ANSWERS: 193. examine, 194. develop, 195. gravity, 196. peculiar, 197. painstaking, 198. filament, 199. amazing, 200. realm

201. In the hospital, she will remain under constant \_\_\_\_\_.
- n.* the act or activity of carefully examining or monitoring something or someone
202. The security camera has \_\_\_\_\_ four intruders.
- v.* to find or recognize something, especially something difficult to see, hear, etc.
203. The hikers experienced a difficult \_\_\_\_\_ to the summit due to the steep and rocky terrain.
- n.* the act of climbing or moving upwards, often referring to a physical ascent of a mountain or a spiritual ascent or improvement; an upward movement; the process of moving upwards
204. The bird \_\_\_\_\_ through the sky, and its wings spread wide.
- v.* to fly or rise very high or to a great height, often with great grace or ease
205. We are making \_\_\_\_\_ in our research and hope to have some significant findings soon.
- n.* forward movement or progress made despite obstacles or resistance; clearance or space in which to move forward
206. The teacher attempted to \_\_\_\_\_ the root cause of our mistake.
- v.* to think about in-depth and evaluate to discover essential features or meaning
207. 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
208. There is a lot of \_\_\_\_\_ in the colors of flowers in the garden.
- n.* the act or state of changing; a difference or change in the way something is done, made or said

ANSWERS: 201. observation, 202. detected, 203. ascent, 204. soared, 205. headway, 206. analyze, 207. depth, 208. variation

209. It is important to \_\_\_\_\_ safety procedures in the workplace to prevent accidents.

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

210. He devised a new analytical \_\_\_\_\_ to capture the phenomenon.

- n.* the structural components of a building or object that support its weight and give it form; the underlying structure of a system, concept, or text

211. He had a firm \_\_\_\_\_ on the rope as he climbed the mountain.

- n.* the act of holding onto something firmly with your hands, or the ability to do so; (verb) to hold fast or firmly

212. The frequent performances of the \_\_\_\_\_ prove its popularity.

- n.* a long musical composition in Western classical music for orchestra, usually with three or four main parts called movements

213. A famous artist painted the room in a \_\_\_\_\_ pink hue.

- adj.* not readily apparent or visible

214. NASA sent a \_\_\_\_\_ to study the atmosphere of Jupiter.

- n.* a tool used for testing or examining, especially for medical or scientific purposes, or an exploratory mission to a planet or other celestial body; (verb) to investigate, examine, or search into something

ANSWERS: 209. observe, 210. framework, 211. grip, 212. symphony, 213. subtle, 214. probe