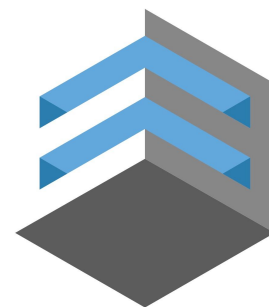


# Englist.me



## Vocabulary Builder Reference from...

*Phil Plait: The secret to scientific discoveries? Making mistakes | TED Talk*

[https://www.ted.com/talks/phil\\_plait\\_the\\_secret\\_to\\_scientific\\_discoveries\\_making\\_mistakes](https://www.ted.com/talks/phil_plait_the_secret_to_scientific_discoveries_making_mistakes)

### All Words

#### IMPORTANT

This material is a commentary and does not contain any copyrighted material of the reference source. We strongly recommend accessing/buying the reference source at the same time.

## Session 1: Word List

### misconception

*n.* a belief or an idea that is wrong because it has been based on faulty thinking, understanding, or hypothesis

*synonym*: fallacy, incomprehension, misunderstanding

(1) dispel the **misconception**, (2) commonly held **misconception**

There are numerous **misconceptions** about food and health.

### pile

*n.* a collection of objects positioned one on top of another; a large sum of something, such as money

*synonym*: accumulation, heap, stack

(1) a sand **pile**, (2) the height of a **pile**

After the party, they had to clean up **piles** of dirty dishes.

### process

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

*synonym*: procedure, method, system

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

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

## ultimate

*adj.* furthest or highest in degree or order

*synonym* : highest, maximum, foremost

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

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

## flaw

*n.* a fault, mistake, or weakness that causes something not to be perfect

*synonym* : defect, fault, imperfection

(1) a minor **flaw**, (2) the **flaw** in the legislation

Even the slightest design **flaw** in an aircraft can lead to a fatal accident.

## minimize

*v.* to make something, especially something bad, small or less serious

*synonym* : diminish, mitigate, belittle

(1) **minimize** a loss, (2) way to **minimize** conflict

I bought a gadget before my trip to help **minimize** stress during the flight.

## bias

*n.* a strong feeling in favor of or against one group of people, an idea, or thing, often not based on fair judgment

*synonym* : inclination, partiality, predilection

(1) **bias** against a big company, (2) have a **bias** toward socialism

She researched gender **bias** in politics.

## 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.

## hypothesis

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

*synonym* : assumption, conjecture, theory

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

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

## 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.

## 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**.

## glorious

*adj.* having or deserving great admiration, praise, and honor; having great beauty and splendor

*synonym* : exquisite, magnificent, majestic

(1) a **glorious** victory, (2) photo in **glorious** color

I choose a **glorious** death rather than a shameful life.

## thesis

*n.* a written essay, especially one submitted for a university degree, that sets out the author's findings on a particular subject

*synonym* : dissertation, argument, treatise

(1) a drift of a **thesis**, (2) master **thesis**

His **thesis** on the effects of climate change won several awards.

## 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**.

## 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.

## peer

*n.* a person who has the same age, status, or ability

*synonym*: fellow, associate, counterpart

(1) **peer** group, (2) **peer** review

Among young people, **peer** pressure can be pretty influential.

## coast-to-coast

*adj.* covering a large geographical distance from one coast to the other; extending across the entire width of a country or continent

*synonym*: transcontinental, nationwide, across-the-board

(1) **coast-to-coast** trip, (2) **coast-to-coast** flight

The company's **coast-to-coast** shipping service is available to all customers in the United States.

## decent

*adj.* satisfactory, acceptable, or good in a general sense

*synonym*: respectable, honorable, good

(1) yearn for the **decent** living, (2) a **decent** education

He earned a **decent** salary at his job.

## modify

*v.* to change something slightly, such as a plan, option, law, etc., especially to make it more suitable for a particular purpose

*synonym*: adjust, alter, revise

(1) genetically **modify** food, (2) **modify** my behavior

We use adverbs to **modify** verbs and adjectives.

## hone

*v.* to sharpen or perfect something; to improve a skill or ability through practice

*synonym*: sharpen, refine, perfect

(1) **hone** abilities, (2) **hone** intuition

The athlete worked with a coach to **hone** her techniques and improve her performance.

## communal

*adj.* belonging to or used by a group rather than individuals; for common use

*synonym*: collaborative, combined, collective

(1) **communal** swimming pool, (2) **communal** combination of funds

**Communal** elections were held in several European countries.

## provisional

*adj.* temporary; serving as a means of satisfying a need or requirement until a more permanent solution can be found

*synonym*: temporary, interim, tentative

(1) a **provisional** treaty, (2) **provisional** measure

The **provisional** agreement was reached pending further negotiation.

## contradictory

*adj.* containing or consisting of conflicting or incompatible elements

*synonym*: conflicting, opposing, inconsistent

(1) apparently **contradictory**, (2) **contradictory** evidence

His statements were **contradictory**, leaving the audience confused.

## 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.

## 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.

## investigate

*v.* to conduct a systematic or formal inquiry to identify and evaluate the facts of a crime, problem, statement, etc. to establish the truth

*synonym* : examine, analyze, look into

(1) **investigate** the matter, (2) **investigate** a data leak

The committee **investigated** several apparent inconsistencies.

## egotistical

*n.* having an inflated view of one's abilities or importance; thinking only about yourself

*synonym* : self-centered, self-absorbed, arrogant

(1) **egotistical** person, (2) **egotistical** behavior

He had an **egotistical** attitude and always wanted to be the center of attention.

## stubborn

*adj.* refusing to change one's mind or behavior despite persuasion or evidence to the contrary; unyielding; difficult to move or change

*synonym* : persistent, obstinate, determined

(1) **stubborn** attitude, (2) **stubborn** stains

He was so **stubborn** about his beliefs that he refused to listen to any other points of view.

## superstitious

*adj.* believing in or influenced by superstitions, which are usually based on irrational or supernatural beliefs; showing excessive reverence for traditional or cultural beliefs that lack a rational basis

*synonym* : irrational, unfounded, mystical

(1) **superstitious** fear, (2) **superstitious** behavior

Some people are **superstitious** and believe in good luck charms and omens.

## tribal

*adj.* relating to a social group or tribe, especially a preliterate society

*synonym* : indigenous, ethnic, traditional

(1) **tribal** culture, (2) **tribal** community

The **tribal** leaders gathered for a summit to discuss important issues.

## trait

*n.* a particular feature of your nature

*synonym*: attribute, feature, quality

(1) chemical **trait**, (2) personality **traits**

Multiple genes may influence behavioral **traits** concurrently.

## 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.

## 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.

## 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.

## orbit

*n.* the path of an object around a celestial body, especially a planet, star, or moon, under the influence of gravity.

*synonym*: path, course, trajectory

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

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

## excite

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

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

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

## 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.

## whisper

v. to speak very quietly to somebody using the breath rather than the voice so that only those close to you can hear you

*synonym* : murmur, rumor, mutter

(1) answer in a **whisper**, (2) the **whisper** of the leaves

He took me aside and **whispered** in my ear.

## concert

n. a musical performance given in public by one or more players or singers

*synonym* : gig, musical, show

(1) have a **concert** again, (2) a benefit **concert**

This artist always packs the **concert** halls.

## messy

*adj.* disorganized and untidy

*synonym* : cluttered, disorganized, untidy

(1) **messy** data, (2) **messy** handling

His **messy** bedroom is always a source of frustration for his mother.

## 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**.



## 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.

## emotional

*adj.* relating to people's feelings

*synonym* : affecting, impactful, impressive

(1) **emotional** health, (2) **emotional** distress

Human **emotional** responses vary widely depending on the society to which they belong.

## puzzle

*n.* a situation that is difficult to follow or solve; a game, problem, or toy that tests a person's ingenuity or knowledge; (verb) to cause someone to feel confused because of something difficult to understand

*synonym* : plight, maze, (verb) perplex

(1) crossword **puzzle**, (2) mathematical **puzzle**

This jigsaw **puzzle** is challenging because there are no pictures.

## jam

*n.* a situation in which something becomes stuck because of a dense crowd of people, vehicles, etc.; a preserve of crushed fruit

*synonym* : difficulty, mess, preserve

(1) a traffic **jam**, (2) a jar of **jam**

The shredder in the print room often has paper **jams**.

## payoff

*n.* the outcome or result of an action or series of actions; the return or reward gained from an investment, effort, or risk

*synonym* : reward, compensation, return

(1) financial **payoff**, (2) emotional **payoff**

The **payoff** for all my hard work was finally getting a promotion.

## astronomy

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

*synonym*: astrophysics, stargazing, cosmology

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

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

## plague

*n.* any epidemic disease with a high death rate; (also called pest) a serious, sometimes fatal, infection spread by rats that causes fever and swellings on the body

*synonym*: epidemic, pandemic, pest

(1) catch the **plague**, (2) deadly **plague**

Our farm experienced a **plague** of locusts this year.

## 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.

## physics

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

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

He studied the **physics** of radiation.

## chemistry

*n.* the branch of the natural sciences dealing with the composition of substances and their properties and reactions

(1) professor of **chemistry**, (2) the **chemistry** of soil

He is familiar with **chemistry** and biology.

## thermodynamics

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

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

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

## technique

*n.* a particular way or art of doing something that needs skill

*synonym*: approach, procedure, strategy

(1) a **technique** in martial arts, (2) the **technique** applied to construction

Jockey's superior **technique** brought him victory.

## hairy

*adj.* covered with hair or having a furry texture; difficult, dangerous, or complicated

*synonym*: furry, bushy, unkempt

(1) **hairy** situation, (2) **hairy** arms

The new rescue dog was covered in thick, **hairy** fur that kept him warm in cold weather.

## 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.

## pardon

*v.* to forgive someone for something they have said or done, such as a crime; (noun) the act of excusing a mistake or offense

*synonym*: forgive, excuse, absolve

(1) **pardon** me, (2) supplicate for **pardon**

The governor decided to **pardon** the prisoner after reviewing the evidence of his innocence.

## announcement

*n.* a public statement or declaration, often made in writing or through the media, that conveys important information or news

*synonym*: declaration, notification, statement

(1) public **announcement**, (2) **announcement** date

The company made an **announcement** about its new product at a press conference.

## pulsar

*n.* a highly magnetized, rotating neutron star that emits beams of electromagnetic radiation, which can be observed as regular pulses of light

*synonym* : neutron star, pulsating star, radio star

(1) **pulsar** magnetosphere, (2) gamma-ray **pulsar**

The astronomers detected a **pulsar** in the center of the galaxy.

## remnant

*n.* a small remaining quantity of something, considered separately from what has been lost or destroyed; a surviving piece or fragment of something

*synonym* : remainder, leftover, residue

(1) **remnant** of the past, (2) **remnants** of fabric

The only **remnant** left of the ancient civilization was the crumbling ruins of their temples.

## explode

*v.* to burst or break open violently and noisily; to cause something to burst or break open

*synonym* : detonate, blast, rupture

(1) **explode** in anger, (2) **explode** in popularity

The old building **exploded** in a fiery inferno.

## blast

*n.* explosion, or a strong current of air, usually caused by an explosion; a sudden, thunderous noise

*synonym* : blow, burst, explosion

(1) a **blast** of wind, (2) an icy **blast**

The **blast** shattered the laboratory equipment.

## 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.

## 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.

## tug

*v.* to pull something quickly and hard, often several times

*synonym*: draw, jerk, pull

(1) **tug** a rope, (2) **tug** at his hand

This movie **tugs** at everyone's heartstrings.

## bunch

*n.* a grouping of several similar things which are growing or fastened together

*synonym*: group, assemblage, bundle

(1) a **bunch** of trees, (2) a **bunch** of schoolgirls

One bad apple spoils the whole **bunch**.

## embarrass

*v.* to cause someone to feel awkward, worried, or ashamed

*synonym*: disconcert, unsettle, agitate

(1) **embarrass** political enemy, (2) **embarrass** my project

He looked for an opportunity to **embarrass** that actor in public.

## 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.

## characteristic

*n.* a typical feature or quality that can identify, tell apart, or describe something or somebody

*synonym*: feature, quality, attribute

(1) stripes **characteristic** of the zebra, (2) my friend's **characteristic** laugh

Bananas have their **characteristic** taste and odor.

## disappear

*v.* to cease to exist or be visible

*synonym* : fade, evaporate, vanish

(1) **disappear** without a trace, (2) **disappear** after a week  
They watched the train **disappear** into the distance.

## formidable

*adj.* causing fear, apprehension, or awe; difficult to deal with or overcome; capable of inspiring respect or admiration

*synonym* : daunting, intimidating, fearful

(1) **formidable** challenge, (2) **formidable** competitor  
The mountain range was a **formidable** obstacle for the hikers.

## 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.

## announce

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

*synonym* : disclose, declare, broadcast

(1) **announce** candidacy, (2) **announce** the award winners  
The third season of the anime show has been **announced**.

## ovation

*n.* a sustained and enthusiastic show of appreciation, usually given in the form of applause, for something or someone that is admired or respected

*synonym* : applause, accolade, praise

(1) standing **ovation**, (2) spontaneous **ovation**  
The singer received an **ovation** from the crowd after her performance.

## chastise

*v.* to criticize or reprimand severely; to discipline or punish for wrongdoing or mistake

*synonym* : rebuke, reprimand, scold

(1) **chastise** behavior, (2) **chastise** a child

The coach **chastised** the players for not giving their best effort during the game.

## praise

*n.* an expression that shows approval and admiration of the achievements or characteristics of someone or something

*synonym* : acclaim, honor, commendation

(1) attain critical **praise**, (2) universal **praise**

The drama series mainly received **praise**.

## honesty

*n.* the quality of being truthful, sincere, and morally upright; adherence to moral and ethical principles

*synonym* : sincerity, integrity, truthfulness

(1) **honesty** policy, (2) **honesty** box

A culture of **honesty** in the workplace leads to better communication and productivity.

## integrity

*n.* the quality of being honest and having strong moral principles; the state of being whole and undivided

*synonym* : honesty, honor, morality

(1) a person of **integrity**, (2) **integrity** of data

The company's reputation for honesty and **integrity** is highly valued among its customers.

## podium

*n.* a raised platform or stand that is used for delivering speeches, conducting meetings, or presenting awards

*synonym* : lectern, stand, dais

(1) win a **podium** position, (2) **podium** finisher

The speaker stood confidently on the **podium** while delivering their speech.

## microphone

*n.* a device that converts sound into an electrical signal used for recording sounds or making the voice louder

*synonym* : mic, megaphone, amplifier

(1) **microphone** cable, (2) built-in **microphone**

The interviewer asked him to speak into the **microphone**.

## exoplanet

*n.* a planet that orbits a star outside of the solar system  
(1) the closest **exoplanet** to Earth, (2) **exoplanet** mission  
The **exoplanet** Kepler-186f is located 500 light-years from Earth and is believed to be habitable.

## alien

*n.* a person who comes from a different country, race, or group; a form of life assumed to exist outside the Earth or its atmosphere

*synonym*: foreigner, unfamiliar, unknown

(1) **alien** fungi, (2) resident **aliens**

**Alien** species have drastically altered the ecosystem in this area.

## floodgate

*n.* a gate used to control the flow of water in a dam or waterway; a situation or event that allows a sudden and large release of something, such as information or emotion

*synonym*: dam, barrier, gate

(1) closing of the **floodgate**, (2) loose **floodgates** of grief

The company's innovative product release opened the **floodgates** for competitors to follow suit.

## bucket

*n.* an open container with a handle made of metal or plastic, often used for carrying liquids

*synonym*: pail, tub, can

(1) **bucket** list, (2) **bucket** of golf balls

She filled a **bucket** with water and carried it back to the house.

## observatory

*n.* a building designed and equipped to observe the planets, the stars, the weather, etc.

(1) space **observatory**, (2) a meteorological **observatory**

That astronomical **observatory** stands at the top of the mountain.



## specifically

*adv.* only associated with or meant for one thing

*synonym* : especially, particularly, notably

(1) designed **specifically** for men, (2) for **specifically** American customers

This ad campaign is aimed **specifically** at young women.

## animate

*v.* to make something full of interest and energy

*synonym* : invigorate, energize, enliven

(1) **animate** the body, (2) **animate** his soul

The positive attitude of the supervisor **animated** the discussion.

## incredible

*adj.* unbelievable; enormous

*synonym* : unbelievable, fantastical, inconceivable

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

Her response revealed **incredible** idiocy.

## outnumber

*v.* to be more numerous or greater in number than another group or entity; to exceed in quantity or number

*synonym* : surpass, exceed

(1) **outnumber** our opponents, (2) **outnumber** males

The number of tourists in the city now **outnumbers** the locals.

## 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.

## dare

*v.* to have the courage to do something

*synonym* : challenge, risk, attempt

(1) **dare** not go, (2) **dare** to take risks

I wouldn't **dare** to speak to him like that.

## Session 2: Spelling

1. co\_\_\_\_al swimming pool *adj.* belonging to or used by a group rather than individuals; for common use
2. mi\_\_\_\_ze a loss *v.* to make something, especially something bad, small or less serious
3. su\_\_\_\_e changes *adj.* not readily apparent or visible
4. ho\_\_\_\_y box *n.* the quality of being truthful, sincere, and morally upright; adherence to moral and ethical principles
5. p\_\_r review *n.* a person who has the same age, status, or ability
6. the pr\_\_\_\_nd depths of the sea *adj.* extremely great; sensed or experienced very strongly; displaying a high level of knowledge or comprehension
7. applied the\_\_\_\_\_ics *n.* the area of physics that deals with heat, work, and temperature and their relation to energy, entropy, and the physical properties of matter and radiation
8. a binocular te\_\_\_\_pe *n.* a device like a tube in shape containing lenses used to magnify and observe distant objects
9. a pr\_\_\_\_nd book *adj.* extremely great; sensed or experienced very strongly; displaying a high level of knowledge or comprehension
10. built-in mic\_\_\_\_ne *n.* a device that converts sound into an electrical signal used for recording sounds or making the voice louder

ANSWERS: 1. communal, 2. minimize, 3. subtle, 4. honesty, 5. peer, 6. profound, 7. thermodynamics, 8. telescope, 9. profound, 10. microphone

11. a gl\_\_\_\_\_us victory *adj.* having or deserving great admiration, praise, and honor; having great beauty and splendor
12. decision-making pr\_\_\_\_\_s *n.* a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products
13. gra\_\_\_\_\_nal waves *adj.* relating to or caused by gravity (= the force that attracts objects towards one another)
14. 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
15. have a co\_\_\_\_\_t again *n.* a musical performance given in public by one or more players or singers
16. a bu\_\_h of trees *n.* a grouping of several similar things which are growing or fastened together
17. mathematical pu\_\_\_e *n.* a situation that is difficult to follow or solve; a game, problem, or toy that tests a person's ingenuity or knowledge; (verb) to cause someone to feel confused because of something difficult to understand
18. sup\_\_\_\_\_ous fear *adj.* believing in or influenced by superstitions, which are usually based on irrational or supernatural beliefs; showing excessive reverence for traditional or cultural beliefs that lack a rational basis

ANSWERS: 11. glorious, 12. process, 13. gravitational, 14. background, 15. concert, 16. bunch, 17. puzzle, 18. superstitious

19. public ann\_\_\_\_\_ent *n.* a public statement or declaration, often made in writing or through the media, that conveys important information or news
20. spontaneous ov\_\_\_\_\_n *n.* a sustained and enthusiastic show of appreciation, usually given in the form of applause, for something or someone that is admired or respected
21. financial pa\_\_\_\_f *n.* the outcome or result of an action or series of actions; the return or reward gained from an investment, effort, or risk
22. 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
23. a pro\_\_\_\_\_al treaty *adj.* temporary; serving as a means of satisfying a need or requirement until a more permanent solution can be found
24. my friend's cha\_\_\_\_\_tic laugh *n.* a typical feature or quality that can identify, tell apart, or describe something or somebody
25. dispel the mis\_\_\_\_\_ion *n.* a belief or an idea that is wrong because it has been based on faulty thinking, understanding, or hypothesis
26. professor of ch\_\_\_\_\_ry *n.* the branch of the natural sciences dealing with the composition of substances and their properties and reactions

ANSWERS: 19. announcement, 20. ovation, 21. payoff, 22. develop, 23. provisional, 24. characteristic, 25. misconception, 26. chemistry

27. make my pre\_\_\_\_\_ons *n.* the act of predicting the future by reasoning; a statement made about the future
28. 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
29. a person of in\_\_\_\_\_ty *n.* the quality of being honest and having strong moral principles; the state of being whole and undivided
30. a te\_\_\_\_\_ue in martial arts *n.* a particular way or art of doing something that needs skill
31. the or\_\_t of the moon *n.* the path of an object around a celestial body, especially a planet, star, or moon, under the influence of gravity.
32. gloomy pre\_\_\_\_\_ons *n.* the act of predicting the future by reasoning; a statement made about the future
33. a jar of j\_m *n.* a situation in which something becomes stuck because of a dense crowd of people, vehicles, etc.; a preserve of crushed fruit
34. h\_\_e intuition *v.* to sharpen or perfect something; to improve a skill or ability through practice
35. the ul\_\_\_\_\_te luxury *adj.* furthest or highest in degree or order
36. loose fl\_\_\_\_\_tes of grief *n.* a gate used to control the flow of water in a dam or waterway; a situation or event that allows a sudden and large release of something, such as information or emotion

ANSWERS: 27. prediction, 28. observe, 29. integrity, 30. technique, 31. orbit, 32. prediction, 33. jam, 34. hone, 35. ultimate, 36. floodgate

37. ex\_\_\_e the crowd *v.* to make someone feel suddenly enthusiastic or eager
38. 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
39. bu\_\_\_t list *n.* an open container with a handle made of metal or plastic, often used for carrying liquids
40. pa\_\_\_n me *v.* to forgive someone for something they have said or done, such as a crime; (noun) the act of excusing a mistake or offense
41. inc\_\_\_\_\_le amount *adj.* unbelievable; enormous
42. the te\_\_\_\_\_ue applied to construction *n.* a particular way or art of doing something that needs skill
43. em\_\_\_\_\_al distress *adj.* relating to people's feelings
44. the f\_\_w in the legislation *n.* a fault, mistake, or weakness that causes something not to be perfect
45. coa\_\_\_\_\_ast flight *adj.* covering a large geographical distance from one coast to the other; extending across the entire width of a country or continent
46. commonly held mis\_\_\_\_\_ion *n.* a belief or an idea that is wrong because it has been based on faulty thinking, understanding, or hypothesis
47. inv\_\_\_\_\_te a data leak *v.* to conduct a systematic or formal inquiry to identify and evaluate the facts of a crime, problem, statement, etc. to establish the truth

ANSWERS: 37. excite, 38. background, 39. bucket, 40. pardon, 41. incredible, 42. technique, 43. emotional, 44. flaw, 45. coast-to-coast, 46. misconception, 47. investigate

48. a benefit co\_\_\_\_\_t                      *n.* a musical performance given in public by one or more players or singers
49. 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
50. chemical tr\_\_t                      *n.* a particular feature of your nature
51. solar ast\_\_\_\_\_er                      *n.* a physicist who studies astronomy
52. fa\_\_t aroma of roses                      *adj.* not strong, clear, or vigorous; slight or weak
53. 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
54. closing of the fl\_\_\_\_\_te                      *n.* a gate used to control the flow of water in a dam or waterway; a situation or event that allows a sudden and large release of something, such as information or emotion
55. mo\_\_\_y my behavior                      *v.* to change something slightly, such as a plan, option, law, etc., especially to make it more suitable for a particular purpose
56. pr\_\_\_\_\_t the future                      *v.* to state beforehand that something will happen in the future, mainly based on knowledge or experience
57. ha\_\_y situation                      *adj.* covered with hair or having a furry texture; difficult, dangerous, or complicated

ANSWERS: 48. concert, 49. universe, 50. trait, 51. astronomer, 52. faint, 53. planet, 54. floodgate, 55. modify, 56. predict, 57. hairy

58. as\_\_\_\_\_my science *n.* the scientific study of objects and matter outside the Earth's atmosphere, especially the positions, motions, and evolution of celestial bodies
59. in\_\_\_\_\_ty of data *n.* the quality of being honest and having strong moral principles; the state of being whole and undivided
60. inv\_\_\_\_\_te the matter *v.* to conduct a systematic or formal inquiry to identify and evaluate the facts of a crime, problem, statement, etc. to establish the truth
61. supplicate for pa\_\_\_\_n *v.* to forgive someone for something they have said or done, such as a crime; (noun) the act of excusing a mistake or offense
62. an\_\_\_\_\_e the body *v.* to make something full of interest and energy
63. gra\_\_\_\_\_nal energy *adj.* relating to or caused by gravity (= the force that attracts objects towards one another)
64. universal pr\_\_\_\_e *n.* an expression that shows approval and admiration of the achievements or characteristics of someone or something
65. a bl\_\_t of wind *n.* explosion, or a strong current of air, usually caused by an explosion; a sudden, thunderous noise
66. ast\_\_\_\_\_cal observation *adj.* relating to astronomy or the study of celestial bodies and phenomena; very large or immense in scale or magnitude

ANSWERS: 58. astronomy, 59. integrity, 60. investigate, 61. pardon, 62. animate, 63. gravitational, 64. praise, 65. blast, 66. astronomical



67. answer in a wh\_\_\_\_\_r                    *v.* to speak very quietly to somebody using the breath rather than the voice so that only those close to you can hear you
68. class obs\_\_\_\_\_on day                    *n.* the act or activity of carefully examining or monitoring something or someone
69. standing ov\_\_\_\_\_n                    *n.* a sustained and enthusiastic show of appreciation, usually given in the form of applause, for something or someone that is admired or respected
70. ho\_\_\_\_\_y policy                    *n.* the quality of being truthful, sincere, and morally upright; adherence to moral and ethical principles
71. al\_\_n fungi                    *n.* a person who comes from a different country, race, or group; a form of life assumed to exist outside the Earth or its atmosphere
72. the height of a p\_\_e                    *n.* a collection of objects positioned one on top of another; a large sum of something, such as money
73. a minor f\_\_w                    *n.* a fault, mistake, or weakness that causes something not to be perfect
74. 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
75. for\_\_\_\_\_le competitor                    *adj.* causing fear, apprehension, or awe; difficult to deal with or overcome; capable of inspiring respect or admiration

ANSWERS: 67. whisper, 68. observation, 69. ovation, 70. honesty, 71. alien, 72. pile, 73. flaw, 74. observe, 75. formidable

76. 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
77. a sand p\_\_e      *n.* a collection of objects positioned one on top of another; a large sum of something, such as money
78. de\_\_\_t smuggling across borders      *v.* to find or recognize something, especially something difficult to see, hear, etc.
79. pro\_\_\_\_al measure      *adj.* temporary; serving as a means of satisfying a need or requirement until a more permanent solution can be found
80. sup\_\_\_\_ous behavior      *adj.* believing in or influenced by superstitions, which are usually based on irrational or supernatural beliefs; showing excessive reverence for traditional or cultural beliefs that lack a rational basis
81. a planetary or\_\_t      *n.* the path of an object around a celestial body, especially a planet, star, or moon, under the influence of gravity.
82. ego\_\_\_\_al person      *n.* having an inflated view of one's abilities or importance; thinking only about yourself
83. personality tr\_\_ts      *n.* a particular feature of your nature
84. crossword pu\_\_\_e      *n.* a situation that is difficult to follow or solve; a game, problem, or toy that tests a person's ingenuity or knowledge; (verb) to cause someone to feel confused because of something difficult to understand

ANSWERS: 76. develop, 77. pile, 78. detect, 79. provisional, 80. superstitious, 81. orbit, 82. egotistical, 83. trait, 84. puzzle

85. de\_\_\_t a bad event *v.* to find or recognize something, especially something difficult to see, hear, etc.
86. di\_\_\_\_\_ar without a trace *v.* to cease to exist or be visible
87. a ga\_\_\_y of famous actors *n.* an independent group of stars, interstellar gas, dark matter, etc., in the universe, bound together by gravity
88. obs\_\_\_\_\_on instrument *n.* the act or activity of carefully examining or monitoring something or someone
89. st\_\_\_\_\_th of the economy *n.* the quality or state of being physically, or sometimes mentally, strong
90. 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
91. a drift of a th\_\_\_s *n.* a written essay, especially one submitted for a university degree, that sets out the author's findings on a particular subject
92. emotional pa\_\_\_f *n.* the outcome or result of an action or series of actions; the return or reward gained from an investment, effort, or risk
93. ex\_\_\_\_\_e in anger *v.* to burst or break open violently and noisily; to cause something to burst or break open
94. ex\_\_\_\_\_e in popularity *v.* to burst or break open violently and noisily; to cause something to burst or break open

ANSWERS: 85. detect, 86. disappear, 87. galaxy, 88. observation, 89. strength, 90. universe, 91. thesis, 92. payoff, 93. explode, 94. explode

95. mic\_\_\_\_\_ne cable *n.* a device that converts sound into an electrical signal used for recording sounds or making the voice louder
96. an\_\_\_\_\_ce the award winners *v.* to make something known or officially inform people about something
97. h\_\_e abilities *v.* to sharpen or perfect something; to improve a skill or ability through practice
98. t\_g at his hand *v.* to pull something quickly and hard, often several times
99. for spe\_\_\_\_\_lly American customers *adv.* only associated with or meant for one thing
100. di\_\_\_\_\_ar after a week *v.* to cease to exist or be visible
101. the per\_\_\_\_\_ve of the battle *n.* a confident attitude toward something; a particular style of thinking about something
102. d\_\_e to take risks *v.* to have the courage to do something
103. ex\_\_\_e rebellion *v.* to make someone feel suddenly enthusiastic or eager
104. ann\_\_\_\_\_ent date *n.* a public statement or declaration, often made in writing or through the media, that conveys important information or news
105. muscular st\_\_\_\_\_th *n.* the quality or state of being physically, or sometimes mentally, strong
106. ast\_\_\_\_\_cal numbers *adj.* relating to astronomy or the study of celestial bodies and phenomena; very large or immense in scale or magnitude

ANSWERS: 95. microphone, 96. announce, 97. hone, 98. tug, 99. specifically, 100. disappear, 101. perspective, 102. dare, 103. excite, 104. announcement, 105. strength, 106. astronomical

107. ha\_\_y arms *adj.* covered with hair or having a furry texture; difficult, dangerous, or complicated
108. space obs\_\_\_\_\_ry *n.* a building designed and equipped to observe the planets, the stars, the weather, etc.
109. ou\_\_\_\_\_er our opponents *v.* to be more numerous or greater in number than another group or entity; to exceed in quantity or number
110. me\_\_y handling *adj.* disorganized and untidy
111. nuclear ph\_\_\_\_\_s *n.* the science of matter and energy and their interactions
112. co\_\_\_\_\_al combination of funds *adj.* belonging to or used by a group rather than individuals; for common use
113. st\_\_\_\_\_rn stains *adj.* refusing to change one's mind or behavior despite persuasion or evidence to the contrary; unyielding; difficult to move or change
114. b\_\_s against a big company *n.* a strong feeling in favor of or against one group of people, an idea, or thing, often not based on fair judgment
115. me\_\_y data *adj.* disorganized and untidy
116. for\_\_\_\_\_le challenge *adj.* causing fear, apprehension, or awe; difficult to deal with or overcome; capable of inspiring respect or admiration
117. ego\_\_\_\_\_al behavior *n.* having an inflated view of one's abilities or importance; thinking only about yourself

ANSWERS: 107. hairy, 108. observatory, 109. outnumber, 110. messy, 111. physics, 112. communal, 113. stubborn, 114. bias, 115. messy, 116. formidable, 117. egotistical

118. a branch of as\_\_\_\_\_my *n.* the scientific study of objects and matter outside the Earth's atmosphere, especially the positions, motions, and evolution of celestial bodies
119. ch\_\_\_\_\_se behavior *v.* to criticize or reprimand severely; to discipline or punish for wrongdoing or mistake
120. elliptic ga\_\_\_\_y *n.* an independent group of stars, interstellar gas, dark matter, etc., in the universe, bound together by gravity
121. re\_\_\_\_\_ts of fabric *n.* a small remaining quantity of something, considered separately from what has been lost or destroyed; a surviving piece or fragment of something
122. gamma-ray pu\_\_\_\_r *n.* a highly magnetized, rotating neutron star that emits beams of electromagnetic radiation, which can be observed as regular pulses of light
123. pr\_\_\_\_\_t when she will arrive *v.* to state beforehand that something will happen in the future, mainly based on knowledge or experience
124. an icy bl\_\_t *n.* explosion, or a strong current of air, usually caused by an explosion; a sudden, thunderous noise
125. genetically mo\_\_\_\_y food *v.* to change something slightly, such as a plan, option, law, etc., especially to make it more suitable for a particular purpose
126. designed spe\_\_\_\_\_lly for men *adv.* only associated with or meant for one thing

ANSWERS: 118. astronomy, 119. chastise, 120. galaxy, 121. remnant, 122. pulsar, 123. predict, 124. blast, 125. modify, 126. specifically

127. the laws of the\_\_\_\_\_ics *n.* the area of physics that deals with heat, work, and temperature and their relation to energy, entropy, and the physical properties of matter and radiation
128. em\_\_\_\_\_ss political enemy *v.* to cause someone to feel awkward, worried, or ashamed
129. po\_\_\_\_m finisher *n.* a raised platform or stand that is used for delivering speeches, conducting meetings, or presenting awards
130. ex\_\_\_\_\_et mission *n.* a planet that orbits a star outside of the solar system
131. a su\_\_\_\_e poison *adj.* not readily apparent or visible
132. yearn for the de\_\_\_\_t living *adj.* satisfactory, acceptable, or good in a general sense
133. an\_\_\_\_\_ce candidacy *v.* to make something known or officially inform people about something
134. look through a te\_\_\_\_\_pe *n.* a device like a tube in shape containing lenses used to magnify and observe distant objects
135. tr\_\_\_\_l culture *adj.* relating to a social group or tribe, especially a preliterate society
136. apparently con\_\_\_\_\_ory *adj.* containing or consisting of conflicting or incompatible elements
137. st\_\_\_\_\_rn attitude *adj.* refusing to change one's mind or behavior despite persuasion or evidence to the contrary; unyielding; difficult to move or change
138. ch\_\_\_\_\_se a child *v.* to criticize or reprimand severely; to discipline or punish for wrongdoing or mistake

ANSWERS: 127. thermodynamics, 128. embarrass, 129. podium, 130. exoplanet, 131. subtle, 132. decent, 133. announce, 134. telescope, 135. tribal, 136. contradictory, 137. stubborn, 138. chastise

139. stripes cha\_\_\_\_\_tic of the zebra *n.* a typical feature or quality that can identify, tell apart, or describe something or somebody
140. at inc\_\_\_\_\_le speed *adj.* unbelievable; enormous
141. a bu\_\_h of schoolgirls *n.* a grouping of several similar things which are growing or fastened together
142. con\_\_\_\_\_ory evidence *adj.* containing or consisting of conflicting or incompatible elements
143. d\_\_e not go *v.* to have the courage to do something
144. coa\_\_\_\_\_ast trip *adj.* covering a large geographical distance from one coast to the other; extending across the entire width of a country or continent
145. 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
146. a de\_\_\_t education *adj.* satisfactory, acceptable, or good in a general sense
147. photo in gl\_\_\_\_\_us color *adj.* having or deserving great admiration, praise, and honor; having great beauty and splendor
148. the closest ex\_\_\_\_\_et to Earth *n.* a planet that orbits a star outside of the solar system
149. the wh\_\_\_\_\_r of the leaves *v.* to speak very quietly to somebody using the breath rather than the voice so that only those close to you can hear you
150. fa\_\_t memory *adj.* not strong, clear, or vigorous; slight or weak

ANSWERS: 139. characteristic, 140. incredible, 141. bunch, 142. contradictory, 143. dare, 144. coast-to-coast, 145. radiation, 146. decent, 147. glorious, 148. exoplanet, 149. whisper, 150. faint



151. p\_\_r group *n.* a person who has the same age, status, or ability
152. 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
153. em\_\_\_\_\_al health *adj.* relating to people's feelings
154. bu\_\_\_t of golf balls *n.* an open container with a handle made of metal or plastic, often used for carrying liquids
155. resident al\_\_ns *n.* a person who comes from a different country, race, or group; a form of life assumed to exist outside the Earth or its atmosphere
156. a per\_\_\_\_\_ve view *n.* a confident attitude toward something; a particular style of thinking about something
157. win a po\_\_\_m position *n.* a raised platform or stand that is used for delivering speeches, conducting meetings, or presenting awards
158. re\_\_\_\_\_t of the past *n.* a small remaining quantity of something, considered separately from what has been lost or destroyed; a surviving piece or fragment of something
159. an\_\_\_\_\_e his soul *v.* to make something full of interest and energy
160. t\_g a rope *v.* to pull something quickly and hard, often several times

ANSWERS: 151. peer, 152. radiation, 153. emotional, 154. bucket, 155. alien, 156. perspective, 157. podium, 158. remnant, 159. animate, 160. tug

161. em\_\_\_\_\_ss my project      *v.* to cause someone to feel awkward, worried, or ashamed
162. test my hyp\_\_\_\_\_is      *n.* a proposed idea or explanation that is based on a few known facts but has not yet been proven to be true or accurate
163. the ul\_\_\_\_\_te goal in life      *adj.* furthest or highest in degree or order
164. ou\_\_\_\_\_er males      *v.* to be more numerous or greater in number than another group or entity; to exceed in quantity or number
165. amateur ast\_\_\_\_\_er      *n.* a physicist who studies astronomy
166. a traffic j\_m      *n.* a situation in which something becomes stuck because of a dense crowd of people, vehicles, etc.; a preserve of crushed fruit
167. pu\_\_\_r magnetosphere      *n.* a highly magnetized, rotating neutron star that emits beams of electromagnetic radiation, which can be observed as regular pulses of light
168. a meteorological obs\_\_\_\_\_ry      *n.* a building designed and equipped to observe the planets, the stars, the weather, etc.
169. master th\_\_\_s      *n.* a written essay, especially one submitted for a university degree, that sets out the author's findings on a particular subject
170. laws of ph\_\_\_\_\_s      *n.* the science of matter and energy and their interactions
171. a bold hyp\_\_\_\_\_is      *n.* a proposed idea or explanation that is based on a few known facts but has not yet been proven to be true or accurate

ANSWERS: 161. embarrass, 162. hypothesis, 163. ultimate, 164. outnumber, 165. astronomer, 166. jam, 167. pulsar, 168. observatory, 169. thesis, 170. physics, 171. hypothesis

172. way to mi\_\_\_\_ze conflict      *v.* to make something, especially something bad, small or less serious
173. tr\_\_\_l community      *adj.* relating to a social group or tribe, especially a preliterate society
174. have a b\_\_s toward socialism      *n.* a strong feeling in favor of or against one group of people, an idea, or thing, often not based on fair judgment
175. deadly pl\_\_\_e      *n.* any epidemic disease with a high death rate; (also called pest) a serious, sometimes fatal, infection spread by rats that causes fever and swellings on the body
176. attain critical pr\_\_\_e      *n.* an expression that shows approval and admiration of the achievements or characteristics of someone or something
177. catch the pl\_\_\_e      *n.* any epidemic disease with a high death rate; (also called pest) a serious, sometimes fatal, infection spread by rats that causes fever and swellings on the body
178. 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
179. pr\_\_\_\_s improvement      *n.* a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products

ANSWERS: 172. minimize, 173. tribal, 174. bias, 175. plague, 176. praise, 177. plague, 178. planet, 179. process

180. the ch\_\_\_\_\_ry of soil

*n.* the branch of the natural sciences dealing with the composition of substances and their properties and reactions

ANSWERS: 180. chemistry

## Session 3: Fill in the Blanks

1. I bought a gadget before my trip to help \_\_\_\_\_ stress during the flight.  
*v.* to make something, especially something bad, small or less serious
2. A culture of \_\_\_\_\_ in the workplace leads to better communication and productivity.  
*n.* the quality of being truthful, sincere, and morally upright; adherence to moral and ethical principles
3. 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
4. Jockey's superior \_\_\_\_\_ brought him victory.  
*n.* a particular way or art of doing something that needs skill
5. Even the slightest design \_\_\_\_\_ in an aircraft can lead to a fatal accident.  
*n.* a fault, mistake, or weakness that causes something not to be perfect
6. 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
7. The \_\_\_\_\_ shattered the laboratory equipment.  
*n.* explosion, or a strong current of air, usually caused by an explosion; a sudden, thunderous noise
8. I wouldn't \_\_\_\_\_ to speak to him like that.  
*v.* to have the courage to do something

ANSWERS: 1. minimize, 2. honesty, 3. universe, 4. technique, 5. flaw, 6. galaxy, 7. blast, 8. dare

9. His \_\_\_\_\_ bedroom is always a source of frustration for his mother.  
*adj.* disorganized and untidy
10. The singer received an \_\_\_\_\_ from the crowd after her performance.  
*n.* a sustained and enthusiastic show of appreciation, usually given in the form of applause, for something or someone that is admired or respected
11. Human \_\_\_\_\_ responses vary widely depending on the society to which they belong.  
*adj.* relating to people's feelings
12. This movie \_\_\_\_\_ at everyone's heartstrings.  
*v.* to pull something quickly and hard, often several times
13. He looked for an opportunity to \_\_\_\_\_ that actor in public.  
*v.* to cause someone to feel awkward, worried, or ashamed
14. The new rescue dog was covered in thick, \_\_\_\_\_ fur that kept him warm in cold weather.  
*adj.* covered with hair or having a furry texture; difficult, dangerous, or complicated
15. We use adverbs to \_\_\_\_\_ verbs and adjectives.  
*v.* to change something slightly, such as a plan, option, law, etc., especially to make it more suitable for a particular purpose
16. There are numerous \_\_\_\_\_ about food and health.  
*n.* a belief or an idea that is wrong because it has been based on faulty thinking, understanding, or hypothesis

ANSWERS: 9. messy, 10. ovation, 11. emotional, 12. tugs, 13. embarrass, 14. hairy, 15. modify, 16. misconceptions

17. She researched gender \_\_\_\_\_ in politics.

- n.* a strong feeling in favor of or against one group of people, an idea, or thing, often not based on fair judgment

18. Our farm experienced a \_\_\_\_\_ of locusts this year.

- n.* any epidemic disease with a high death rate; (also called pest) a serious, sometimes fatal, infection spread by rats that causes fever and swellings on the body

19. The astronomers detected a \_\_\_\_\_ in the center of the galaxy.

- n.* a highly magnetized, rotating neutron star that emits beams of electromagnetic radiation, which can be observed as regular pulses of light

20. 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

21. Multiple genes may influence behavioral \_\_\_\_\_ concurrently.

- n.* a particular feature of your nature

22. The company's reputation for honesty and \_\_\_\_\_ is highly valued among its customers.

- n.* the quality of being honest and having strong moral principles; the state of being whole and undivided

23. This question has fascinated solar \_\_\_\_\_ for decades.

- n.* a physicist who studies astronomy

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

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

ANSWERS: 17. bias, 18. plague, 19. pulsar, 20. telescope, 21. traits, 22. integrity, 23. astronomers, 24. physics

25. The governor decided to \_\_\_\_\_ the prisoner after reviewing the evidence of his innocence.
- v.* to forgive someone for something they have said or done, such as a crime; (noun) the act of excusing a mistake or offense
26. The speaker stood confidently on the \_\_\_\_\_ while delivering their speech.
- n.* a raised platform or stand that is used for delivering speeches, conducting meetings, or presenting awards
27. She heard a \_\_\_\_\_ nearly invisible scream.
- adj.* not strong, clear, or vigorous; slight or weak
28. He had a deep passion for extragalactic \_\_\_\_\_ and spent hours observing the night sky.
- n.* the scientific study of objects and matter outside the Earth's atmosphere, especially the positions, motions, and evolution of celestial bodies
29. The shredder in the print room often has paper \_\_\_\_\_.
- n.* a situation in which something becomes stuck because of a dense crowd of people, vehicles, etc.; a preserve of crushed fruit
30. 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
31. The interviewer asked him to speak into the \_\_\_\_\_.
- n.* a device that converts sound into an electrical signal used for recording sounds or making the voice louder
32. The mountain range was a \_\_\_\_\_ obstacle for the hikers.
- adj.* causing fear, apprehension, or awe; difficult to deal with or overcome; capable of inspiring respect or admiration

ANSWERS: 25. pardon, 26. podium, 27. faint, 28. astronomy, 29. jams, 30. planet, 31. microphone, 32. formidable



33. The \_\_\_\_\_ agreement was reached pending further negotiation.  
*adj.* temporary; serving as a means of satisfying a need or requirement until a more permanent solution can be found
34. The rocket engine is used to put the satellite into \_\_\_\_\_.  
*n.* the path of an object around a celestial body, especially a planet, star, or moon, under the influence of gravity.
35. \_\_\_\_\_ elections were held in several European countries.  
*adj.* belonging to or used by a group rather than individuals; for common use
36. He earned a \_\_\_\_\_ salary at his job.  
*adj.* satisfactory, acceptable, or good in a general sense
37. 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
38. The coach \_\_\_\_\_ the players for not giving their best effort during the game.  
*v.* to criticize or reprimand severely; to discipline or punish for wrongdoing or mistake
39. The company's \_\_\_\_\_ shipping service is available to all customers in the United States.  
*adj.* covering a large geographical distance from one coast to the other; extending across the entire width of a country or continent
40. \_\_\_\_\_ species have drastically altered the ecosystem in this area.  
*n.* a person who comes from a different country, race, or group; a form of life assumed to exist outside the Earth or its atmosphere

ANSWERS: 33. provisional, 34. orbit, 35. Communal, 36. decent, 37. radiation, 38. chastised, 39. coast-to-coast, 40. Alien

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

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

42. 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

43. Among young people, \_\_\_\_\_ pressure can be pretty influential.

*n.* a person who has the same age, status, or ability

44. The athlete worked with a coach to \_\_\_\_\_ her techniques and improve her performance.

*v.* to sharpen or perfect something; to improve a skill or ability through practice

45. 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

46. Her response revealed \_\_\_\_\_ idiocy.

*adj.* unbelievable; enormous

47. They watched the train \_\_\_\_\_ into the distance.

*v.* to cease to exist or be visible

48. I choose a \_\_\_\_\_ death rather than a shameful life.

*adj.* having or deserving great admiration, praise, and honor; having great beauty and splendor

ANSWERS: 41. strength, 42. develop, 43. peer, 44. hone, 45. profound, 46. incredible, 47. disappear, 48. glorious

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

*adj.* not readily apparent or visible

50. This ad campaign is aimed \_\_\_\_\_ at young women.

*adv.* only associated with or meant for one thing

51. He was so \_\_\_\_\_ about his beliefs that he refused to listen to any other points of view.

*adj.* refusing to change one's mind or behavior despite persuasion or evidence to the contrary; unyielding; difficult to move or change

52. The third season of the anime show has been \_\_\_\_\_.

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

53. He took me aside and \_\_\_\_\_ in my ear.

*v.* to speak very quietly to somebody using the breath rather than the voice so that only those close to you can hear you

54. This jigsaw \_\_\_\_\_ is challenging because there are no pictures.

*n.* a situation that is difficult to follow or solve; a game, problem, or toy that tests a person's ingenuity or knowledge; (verb) to cause someone to feel confused because of something difficult to understand

55. These results muddied the \_\_\_\_\_.

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

56. He is familiar with \_\_\_\_\_ and biology.

*n.* the branch of the natural sciences dealing with the composition of substances and their properties and reactions

ANSWERS: 49. subtle, 50. specifically, 51. stubborn, 52. announced, 53. whispered, 54. puzzle, 55. prediction, 56. chemistry

57. She filled a \_\_\_\_\_ with water and carried it back to the house.
- n.* an open container with a handle made of metal or plastic, often used for carrying liquids
58. The old building \_\_\_\_\_ in a fiery inferno.
- v.* to burst or break open violently and noisily; to cause something to burst or break open
59. His \_\_\_\_\_ on the effects of climate change won several awards.
- n.* a written essay, especially one submitted for a university degree, that sets out the author's findings on a particular subject
60. It's notoriously challenging to \_\_\_\_\_ birth rates.
- v.* to state beforehand that something will happen in the future, mainly based on knowledge or experience
61. The positive attitude of the supervisor \_\_\_\_\_ the discussion.
- v.* to make something full of interest and energy
62. Bananas have their \_\_\_\_\_ taste and odor.
- n.* a typical feature or quality that can identify, tell apart, or describe something or somebody
63. The \_\_\_\_\_ for applying for a visa can be lengthy and complicated.
- n.* a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products
64. The drama series mainly received \_\_\_\_\_.
- n.* an expression that shows approval and admiration of the achievements or characteristics of someone or something

ANSWERS: 57. bucket, 58. exploded, 59. thesis, 60. predict, 61. animated, 62. characteristic, 63. process, 64. praise

65. 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)

66. The committee \_\_\_\_\_ several apparent inconsistencies.

*v.* to conduct a systematic or formal inquiry to identify and evaluate the facts of a crime, problem, statement, etc. to establish the truth

67. In the hospital, she will remain under constant \_\_\_\_\_.

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

68. Some people are \_\_\_\_\_ and believe in good luck charms and omens.

*adj.* believing in or influenced by superstitions, which are usually based on irrational or supernatural beliefs; showing excessive reverence for traditional or cultural beliefs that lack a rational basis

69. His statements were \_\_\_\_\_ leaving the audience confused.

*adj.* containing or consisting of conflicting or incompatible elements

70. The number of tourists in the city now \_\_\_\_\_ the locals.

*v.* to be more numerous or greater in number than another group or entity; to exceed in quantity or number

71. The news of her promotion \_\_\_\_\_ her.

*v.* to make someone feel suddenly enthusiastic or eager

72. The company made an \_\_\_\_\_ about its new product at a press conference.

*n.* a public statement or declaration, often made in writing or through the media, that conveys important information or news

ANSWERS: 65. gravitational, 66. investigated, 67. observation, 68. superstitious, 69. contradictory, 70. outnumbered, 71. excited, 72. announcement

73. The \_\_\_\_\_ for all my hard work was finally getting a promotion.
- n.* the outcome or result of an action or series of actions; the return or reward gained from an investment, effort, or risk
74. The security camera has \_\_\_\_\_ four intruders.
- v.* to find or recognize something, especially something difficult to see, hear, etc.
75. That astronomical \_\_\_\_\_ stands at the top of the mountain.
- n.* a building designed and equipped to observe the planets, the stars, the weather, etc.
76. 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
77. 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
78. This evidence supports the big-bang \_\_\_\_\_.
- n.* a proposed idea or explanation that is based on a few known facts but has not yet been proven to be true or accurate
79. The only \_\_\_\_\_ left of the ancient civilization was the crumbling ruins of their temples.
- n.* a small remaining quantity of something, considered separately from what has been lost or destroyed; a surviving piece or fragment of something

ANSWERS: 73. payoff, 74. detected, 75. observatory, 76. astronomical, 77. observe, 78. hypothesis, 79. remnant

80. This artist always packs the \_\_\_\_\_ halls.
- n.* a musical performance given in public by one or more players or singers
81. He had an \_\_\_\_\_ attitude and always wanted to be the center of attention.
- n.* having an inflated view of one's abilities or importance; thinking only about yourself
82. One bad apple spoils the whole \_\_\_\_\_.
- n.* a grouping of several similar things which are growing or fastened together
83. After the party, they had to clean up \_\_\_\_\_ of dirty dishes.
- n.* a collection of objects positioned one on top of another; a large sum of something, such as money
84. The \_\_\_\_\_ Kepler-186f is located 500 light-years from Earth and is believed to be habitable.
- n.* a planet that orbits a star outside of the solar system
85. The company's innovative product release opened the \_\_\_\_\_ for competitors to follow suit.
- n.* a gate used to control the flow of water in a dam or waterway; a situation or event that allows a sudden and large release of something, such as information or emotion
86. His father's death changed his whole \_\_\_\_\_ on life.
- n.* a confident attitude toward something; a particular style of thinking about something
87. The second law of \_\_\_\_\_ denies the existence of a perpetual motion engine.
- n.* the area of physics that deals with heat, work, and temperature and their relation to energy, entropy, and the physical properties of matter and radiation

ANSWERS: 80. concert, 81. egotistical, 82. bunch, 83. piles, 84. exoplanet, 85. floodgates, 86. perspective, 87. thermodynamics

88. The \_\_\_\_\_ leaders gathered for a summit to discuss important issues.

*adj.* relating to a social group or tribe, especially a preliterate society

89. 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

90. Management must take \_\_\_\_\_ responsibility for the accident.

*adj.* furthest or highest in degree or order

ANSWERS: 88. tribal, 89. background, 90. ultimate