

# Englist.me



## Vocabulary Builder Reference from...

*Tabetha Boyajian: The most mysterious star in the universe | TED Talk*

[https://www.ted.com/talks/tabetha\\_boyajian\\_the\\_most\\_mysterious\\_star\\_in\\_the\\_universe](https://www.ted.com/talks/tabetha_boyajian_the_most_mysterious_star_in_the_universe)

### All Words

#### IMPORTANT

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## Session 1: Word List

### extraordinary

*adj.* exceptional, unexpected, very unusual; surpassing the ordinary or usual

*synonym*: exceptional, noteworthy, astonishing

(1) **extraordinary** ability, (2) **extraordinary** weather

He narrated the **extraordinary** story of his adventure.

### claim

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

*synonym*: assert, declare, maintain

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

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

### responsible

*adj.* answerable or accountable for something within one's power, control, or management

*synonym*: accountable, answerable, liable

(1) **responsible** action, (2) **responsible** for a customer service

She's a **responsible** pet owner who ensures her dog gets enough exercise and a healthy diet.

## 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.

## 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.

## 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**.

## resort

*n.* a place where many people go for rest, sport, or another stated purpose; (verb) to turn to or take a course of action, especially an extreme or undesirable one, to resolve a difficult circumstance

*synonym*: vacation spot, hotel, (verb) address

(1) **resort** to desperate measures, (2) a last **resort**

If both countries **resort** to nuclear deterrence, the consequence could be mutual destruction.

## involve

*v.* to include or affect someone or something as a necessary part of something else

*synonym*: implicate, include, engage

(1) **involve** a lot of paperwork, (2) **involve** a high degree of risk

The investigation **involves** several government agencies and is expected to take several months.

## ordinary

*adj.* not different, exceptional, or unexpected in any way, especially in quality, ability, size, or degree

*synonym* : mundane, prosaic, average

(1) an **ordinary** school, (2) **ordinary** annual revenue

The **ordinary** session of the Diet opened.

## 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.

## launch

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

*synonym* : start, initiate, begin

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

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

## 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.

## monitor

*v.* to observe, check, and track the progress or quality of something over a period of time

*synonym* : proctor, check, observe

(1) **monitor** an exam, (2) **monitor** the data carefully

They used a special receiver to **monitor** police radio channels.

## continuously

*adv.* without being interrupted or paused; repeatedly

*synonym* : constantly, frequently, always

(1) use one thing **continuously**, (2) **continuously** removed

The country's domestic coal consumption has been **continuously** declining for decades.

## 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.

## orbit

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

*synonym*: path, course, trajectory

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

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

## align

*v.* to put or arrange two or more things in a straight line or to form a straight line

*synonym*: coordinate, regulate, adjust

(1) **align** the economic interest of each other, (2) **align** with a historical trend

Both parties are now entirely ideologically **aligned**.

## sight

*n.* the ability to see; anything that is seen

*synonym*: vision, spectacle, view

(1) an unexpected **sight**, (2) dull **sight**

Many famous **sights** are within walking distance.

## 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**.

- dip** v. to put something into a liquid for a short time and take it out again  
*synonym*: dunk, dive, plunge  
(1) **dip** a pen in ink, (2) **dip** a chip in the sauce  
Please **dip** up a bucketful of water from the well.
- curve** n. a bend or angle in a line or surface that deviates from a straight or flat path; a gradual or smooth change in direction or shape  
*synonym*: bend, arc, turn  
(1) learning **curve**, (2) yield **curve**  
The **curve** in the road was so sharp that I had to slow down to navigate it safely.
- 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.
- sophisticated** *adj.* having a great deal of worldly experience and knowledge of people's behavior, culture, and fashion  
*synonym*: refined, cultured, worldly  
(1) **sophisticated** look, (2) a **sophisticated** lifestyle  
Marketing strategies are growing more **sophisticated**.
- release** v. to set free or allow to escape from confinement  
*synonym*: free, let go, discharge  
(1) **release** a prisoner, (2) **release** CO2 into the air  
The animal rights group worked to **release** the dolphins back into the wild.

## hunt

*v.* to go after and try to catch wild animals to kill them for food, sport, or profit

*synonym* : chase, pursuit, quest

(1) **hunt** a job, (2) **hunt** after knowledge

Hounds **hunt** their prey by using their keen scent.

## brain

*n.* the organ inside the head that is responsible for one's movement, thought, memory, and feeling

*synonym* : intellect, mind, encephalon

(1) basic **brain** function, (2) permanent **brain** damage

X-rays revealed a small tumor in his **brain**.

## 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.

## recognition

*n.* the action or process of recognizing or being recognized, especially by remembering; an agreement that something is true or legal

*synonym* : acknowledgement, identification, credit

(1) **recognition** award, (2) joint **recognition**

He was given **recognition** for his outstanding work in the field of medicine.

## skepticism

*n.* an attitude of doubting or questioning that claims or statements are true or valuable or that something will happen; the disbelief in any claims of ultimate knowledge

*synonym* : distrust, doubt, suspicion

(1) natural **skepticism**, (2) **skepticism** toward bureaucracy

This party expresses **skepticism** about the efficacy of the health insurance system.

## colleague

*n.* one of a group of a coworker, especially in a profession or a business

*synonym* : coworker, associate, fellow

(1) collaborate with **colleagues**, (2) former **colleague**

I decided to seek counseling on the advice of my **colleague**.

## crazy

*adj.* stupid or not sensible; very angry

*synonym* : insane, absurd, bizarre

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

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

## classic

*adj.* judged or deserving to be regarded as one of the best or most important of its kind over a period of time; of a well-known type

*synonym* : definitive, traditional, typical

(1) a **classic** experiment, (2) Chinese **classic** literature

He displayed the **classic** symptoms of depression.

## gamble

*v.* to take risky action in the hope of being successful; to play or game for money or other stakes

*synonym* : bet, venture, wager

(1) **gamble** \$100 on the race, (2) **gamble** away my fortune

Will you **gamble** on the result of the fight?

## thrill

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

*synonym* : exhilaration, delight, rush

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

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

## enthusiast

*n.* a person having a strong liking for something

*synonym* : buff, aficionado, devotee

(1) classic car **enthusiasts**, (2) an **enthusiastic** response

The country's economic situation has improved markedly due to reform **enthusiasts**.

## mysterious

*adj.* difficult to understand, explain, or identify; having an aura of secrecy, intrigue, or puzzlement

*synonym* : enigmatic, cryptic, puzzling

(1) **mysterious** object, (2) **mysterious** stranger

The **mysterious** disappearance of the ship remains unsolved.

## norm

*n.* something that is regarded as usual, typical, or standard

*synonym* : criterion, mean, standard

(1) **norm** of action, (2) cultural **norm**

The systems we have developed has accepted as industry **norms**.

## graph

*n.* a picture consisting of a line, lines, points, etc., that shows how two or more sets of certain quantities are related to each other

*synonym* : chart, diagram, figure

(1) **graph** theory, (2) a **graph** sample

This bar **graph** shows sales over the past five years.

## 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.

## Jovian

*adj.* relating to Jupiter or its characteristics

*synonym* : Jupiter, giant planet

(1) **Jovian** satellites, (2) **Jovian** planet

The **Jovian** moon Europa is believed to have an ocean beneath its icy surface.

## visible

*adj.* capable of being seen; or open to easy view

*synonym* : clear, observable, seeable

(1) **visible** stars, (2) **visible** by X-ray

My home is easily **visible** from the shore.



## 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.

## sift

*v.* to put flour, sugar, etc. through a sieve (= a utensil consisting of a wire or plastic mesh in a frame) to remove lumps or large particles

*synonym* : filter, go through, sieve

(1) **sift** the candidates, (2) **sift** sand

The search engine helps **sift** information.

## 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.

## 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**.

## discuss

*v.* to talk about or examine in detail through conversation or debate; to exchange ideas, opinions, or information on a particular topic

*synonym* : talk about, converse, debate

(1) **discuss** options, (2) **discuss** solutions

We need to **discuss** the next steps for the project during our meeting tomorrow.

## **giant**

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

*synonym* : big, gigantic, huge

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

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

## **normally**

*adv.* usually; under normal conditions

*synonym* : commonly, generally, naturally

(1) complete **normally**, (2) not **normally** drink much

I don't **normally** take a vacation in the middle of summer.

## **asymmetric**

*adj.* lacking symmetry or balance; not corresponding in size, shape, or degree; characterized by an uneven or unequal distribution or arrangement

*synonym* : uneven, lopsided, unbalanced

(1) **asymmetric** warfare, (2) **asymmetric** information

The **asymmetric** design of the building made it stand out in the city skyline.

## **slope**

*n.* a surface with one end or side that is higher than the other

*synonym* : gradient, pitch, slant

(1) an abrupt **slope**, (2) slide down a **slope** on a ski

The hut stands on the **slope** of a mountain.

## **indicate**

*v.* to show, point out, or make known something, often through a sign or a symbol; to suggest or imply something without stating it directly

*synonym* : hint, suggest, show

(1) **indicate** a preference, (2) **indicate** an error

The data **indicates** that the company's profits have steadily increased over the past quarter.

## **circular**

*adj.* shaped like a circle; having a round form

*synonym* : round, loopy, oblique

(1) **circular** economy, (2) non- **circular** orbit

The **circular** shape of the planet makes it difficult to determine which direction is north.

**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.

**gradual** *adj.* happening slowly over a long period of time or distance; not steep or abrupt  
*synonym*: incremental, gradational, piecemeal  
(1) a **gradual** process, (2) a **gradual** change  
The country experienced a **gradual** increase in population.

**dim** *adj.* poorly lit; not bright  
*synonym*: dull, faint, weak  
(1) **dim** and distant past, (2) **dim** memory  
The **dim** light made it difficult to read the book.

**snap** *v.* to record on photographic film; to make a sudden, sharp sound; (noun) the act of catching an object with the hands  
*synonym*: break, crack, fracture  
(1) **snap** a whip, (2) **snap** judgment  
She **snapped** a quick picture of the beautiful sunset before it disappeared.

**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.

## variable

*adj.* likely to change or vary often; (noun) a symbol, like x or y, that is used in mathematical or logical expressions to represent a value that may be changed

*synonym* : erratic, inconsistent, irregular

(1) a **variable** species, (2) a dependent **variable**

Rainfall in the tropics is highly **variable**.

## broad

*adj.* very wide; general

*synonym* : wide, expansive, comprehensive

(1) attract **broad** attention, (2) a **broad** mind

He accumulated wealth across a **broad** spectrum of assets.

## duration

*n.* the length of time something lasts or continues

*synonym* : period, span, course

(1) the **duration** of insurance, (2) short **duration**

The military incarcerated him for the **duration** of the war.

## trend

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

*synonym* : direction, movement, tendency

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

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

## independence

*n.* freedom from another's or others' control or influence

*synonym* : freedom, liberty, autonomy

(1) financial **independence**, (2) **independence** ceremony

There is nothing more valuable than **independence** and freedom.

## superimpose

*v.* to place, layer, or overlay one thing on top of another, typically in such a way that both are still visible; to add or combine something additional into an existing structure, design, or system

*synonym* : overlay, impose, place over

(1) **superimpose** image, (2) **superimpose** text

The graphic designer will **superimpose** the logo over the

image in the brochure.

## 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.

## weird

*adj.* extraordinary, unexpected, or difficult to explain

*synonym*: bizarre, creepy, peculiar

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

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

## astrophysics

*n.* the branch of physics concerned with the study of the properties and behavior of celestial objects and the physical processes that govern the behavior and evolution of the universe

(1) **astrophysics** research, (2) neutrino **astrophysics**

He was studying **astrophysics** in an attempt to understand the origins of the universe.

## clue

*n.* an object, a piece of evidence, or some information that helps someone to find the answer to a problem, question, or mystery

*synonym*: hint, indication, inkling

(1) a **clue** about the crime, (2) a **clue** to the diagnosis

The police couldn't find a **clue** to her whereabouts.

## 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**.

## firsthand

*adv.* from the source; directly; (adjective) received directly from a source

*synonym* : direct

(1) hear customer's voices **firsthand**, (2) conduct **firsthand** research

The manager tried to hear customers' voices **firsthand**.

## surrounding

*adj.* that is near or around, or closely encircling something

*synonym* : circumferent, encircling, neighboring

(1) **surrounding** areas, (2) a fence **surrounding** a castle

The **surrounding** mountains make the city difficult to be invaded.

## 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**.

## difficulty

*n.* a condition or state that causes problems

*synonym* : hardship, complication, problem

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

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

## glow

*v.* to give out a steady, strong light

*synonym* : shine, radiate, beam

(1) **glow** a pale orange, (2) **glow** gold in the light

The sun was setting, and the sky **glowed** with beautiful colors.

## 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.

### swarm

*n.* a group of many things, such as insects, fishes, etc., in the air or water or on the ground

*synonym* : horde, hive, throng

(1) a **swarm** of mosquitoes, (2) locust **swarm**

A **swarm** of angry bees attacked because we had approached the hive.

### comet

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

*synonym* : meteor, asteroid, meteoroid

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

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

### elliptical

*adj.* having the shape of an oval (= a closed plane curve); using a word or expression that is ambiguous or vague, especially to mislead or avoid committing oneself

*synonym* : oval, egg-shaped, oblong

(1) an **elliptical** motion, (2) an **elliptical** galaxies

The satellite's **elliptical** orbit made it appear to change its distance from earth.

### consistent

*adj.* always behaving or happening in the same way, or having the same thoughts, standards, etc.

*synonym* : coherent, constant, compatible

(1) do on a **consistent** basis, (2) get **consistent** results

You are not **consistent** in your behavior.

### contrived

*adj.* created or arranged in an artificial, forced, or deliberate way; not natural or spontaneous

*synonym* : artificial, forced, fabricated

(1) **contrived** situation, (2) **contrived** laughter

The storyline of the movie seemed **contrived** and needed more authenticity.

## reproduce

v. to make a copy of something such as a picture, piece of text, music, etc.; to produce offspring through a sexual or asexual process

*synonym* : duplicate, breed, imitate

(1) **reproduce** the painting, (2) **reproduce** by myself

By dividing and creating copies of themselves, bacteria **reproduce**.

## 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.

## decide

v. to make up someone's mind about something; to come to a conclusion or judgment after considering options

*synonym* : choose, determine, settle

(1) **decide** a question, (2) **decide** on a course of action

She couldn't **decide** whether to order the pizza or the pasta for dinner.

## catchy

*adj.* pleasing and easy to remember; likely to attract attention

*synonym* : captivating, haunting, memorable

(1) **catchy** nickname, (2) a **catchy** title for a movie

This track starts with a **catchy** guitar riff.

## flux

*n.* the state of constantly changing or flowing; the rate of flow of energy or particles across a particular place

*synonym* : flow, change, motion

(1) **flux** density, (2) **flux** of particles

The town's population was in **flux**, with many people moving in and out.



## acronym

*n.* a word formed from the first letter of each word in a phrase, such as NASA (National Aeronautics and Space Administration) or AIDS (Acquired Immune Deficiency Syndrome)

*synonym*: abbreviation, initialism, shortcut

(1) **acronym** definition, (2) use an **acronym**

RADAR is an **acronym** for radio detection and ranging.

## wright

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

*synonym*: builder, constructor, craftsman

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

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

## extreme

*adj.* very great in amount or degree

*synonym*: farthestmost, outermost, fierce

(1) **extreme** sports, (2) **extreme** weather events

Solar gravity creates **extreme** pressures and temperatures.

## precision

*n.* the quality or condition of being exact and accurate

*synonym*: accuracy, exactness, rigor

(1) a **precision** instrument, (2) speak with **precision**

This operation requires both patience and **precision**.

## 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.

## structure

*n.* the way of construction of something and the arrangement of its parts, or a complex thing constructed of many parts

*synonym*: construction, architecture, establishment

(1) the **structure** of a machine, (2) **structure** and function of the brain

The organizational **structure** of start-ups is often flat and straightforward.

## tabby

*n.* a type of domestic cat with a distinctive coat pattern of dark stripes or spots on a lighter background; (adjective) describing someone who is short and fat, plump, or round in shape

*synonym* : stripe, brindle

(1) **tabby** kitten, (2) gray **tabby**

The little girl couldn't resist the **tabby's** purr as the cat curled up in her lap.

## rewrite

*v.* to write something such as a book or speech again in a different way, usually to improve it or add new information

*synonym* : revise, edit, rework

(1) **rewrite** a composition, (2) **rewrite** a world record

I need to **rewrite** most of the essay with feedback from my teacher.

## convinced

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

*synonym* : confident, positive, indoctrinated

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

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

## extraterrestrial

*adj.* relating to or existing outside of the Earth's atmosphere or planetary boundaries; pertaining to beings or phenomena that originate from beyond the Earth

*synonym* : alien, outer, otherworldly

(1) **extraterrestrial** planet, (2) **extraterrestrial** intelligence

Scientists are constantly searching for signs of **extraterrestrial** life in the universe.

## intelligence

*n.* the ability to learn, comprehend, or make judgments or conclusions based on reasons

*synonym* : brains, brightness, cleverness

(1) an **intelligence** test, (2) field of artificial **intelligence**

In terms of **intelligence**, he was head and shoulders above his classmates.

## **pursue**

*v.* to do something or attempt to attain something over time; to follow or seek someone or something, especially in trying to catch them

*synonym* : seek, hunt, chase

(1) **pursue** a goal, (2) **pursue** freedoms

She intends to **pursue** a political career.

## **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.

## **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.

## **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.

## **leak**

*v.* to allow liquid or gas to get in or out from a hole or crack in a pipe or container

*synonym* : outflow, divulge, disclose

(1) **leak** data, (2) **leak** a classified memo

He **leaked** serious accounting irregularities that only people in the company's executive could know.

## advance

*v.* to go or move forward; to develop in a positive way  
*synonym*: progress, boost, come along

(1) **advance** the technology, (2) **advance** a cooperative relationship

Scientific knowledge will **advance** significantly with the power of AI.

## circumstance

*n.* the specific conditions or events that surround a particular situation or occurrence

*synonym*: condition, context, environment

(1) **circumstance** of birth, (2) **circumstance** of injury

She explained the **circumstances** surrounding the accident.

## exhausted

*adj.* extremely tired

*synonym*: drowsy, depleted, fatigued

(1) the **exhausted** food sources, (2) **exhausted** parents

The **exhausted** runner fell to the ground and gasped.

## 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.

## ginormous

*adj.* (combination of "gigantic" and "enormous") extremely large

*synonym*: huge, gigantic, mammoth

(1) **ginormous** elephant, (2) **ginormous** skyscraper

The construction site was filled with **ginormous** pieces of heavy machinery.

## panel

*n.* a square or rectangular and flat piece of something that forms a distinct section or component of something; a small group of specialists who discuss particular topics or give their advice or opinion about something

*synonym*: board, commission, discussion

(1) **panel** discussion, (2) cost of solar **panels**

A **panel** of economic advisers from the United States visited the country to help rebuild its economy.

## sphere

*n.* a round object or geometric shape that is three-dimensional and symmetrical around a central point; a particular aspect or scope of life or activity

*synonym*: ball, globe, scope

(1) **sphere** of influence, (2) business **sphere**

The **sphere** of the earth is divided into several layers including the crust, mantle, and core.

## impressive

*adj.* arousing admiration due to size, quality, or skill

*synonym*: impactful, remarkable, exceptional

(1) **impressive** performances, (2) an **impressive** array of facts

The budget reduction was an **impressive** feat for our nation.

## 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.

## vastness

*n.* the extent or size of something, often describing an ample space or area; the quality of being immense or immense in scale

*synonym*: immensity, enormity, vastitude

(1) limitless **vastness**, (2) scenic **vastness**

The **vastness** of the ocean was awe-inspiring and humbling.

## 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.

## quarter

*n.* one of four equal parts; a fourth part or portion  
*synonym* : fourth, one-fourth

(1) a **quarter** mile, (2) end of the first **quarter**

The unemployment rate in the first **quarter** was 2.3 percentage points higher than in the previous.

## enormous

*adj.* extremely large or great  
*synonym* : huge, giant, gigantic

(1) **enormous** amount, (2) **enormous** potential

Shakespeare's output of poetry was **enormous**.

## anomaly

*n.* something or someone that deviates from what is expected or normal, often in a way that is difficult to explain or understand

*synonym* : abnormality, irregularity, deviation

(1) **anomaly** detection, (2) global temperature **anomaly**

The sudden drop in the stock market was an **anomaly** that puzzled many investors.

## uneven

*adj.* not level or flat; not balanced or symmetrical  
*synonym* : irregular, rough, bumpy

(1) **uneven** numbers, (2) **uneven** coating

The road was **uneven**, causing the car to bounce up and down as it drove.

## defy

*v.* to challenge or dare someone to do something; to resist or disobey a rule, decision, etc.

*synonym* : challenge, resist, disobey

(1) **defy** gravity, (2) **defy** authority

She tried to **defy** her parents by moving to the city against their wishes.

## physics

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

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

He studied the **physics** of radiation.

## radiate

*v.* to spread out or emit something, such as light or heat, in all directions

*synonym*: give off, scatter, beam

(1) **radiate** an aura, (2) **radiate** in all directions

Roads **radiate** from the famous building in the center of the city.

## wit

*n.* the ability to say or write things or ideas in a clever and humorous way

*synonym*: humor, comedy, funniness

(1) the **wit** of man, (2) full of **wit**

He has the **wit** to keep talking about this topic.

## interplanetary

*adj.* relating to or occurring between planets, particularly regarding space travel or communication

*synonym*: interstellar, planetary, celestial

(1) **interplanetary** debris, (2) **interplanetary** exploration

Scientists are working on developing **interplanetary** travel to explore other planets in our solar system.

## catastrophic

*adj.* extremely harmful; causing physical or financial destruction

*synonym*: fatal, disastrous, destructive

(1) victim of **catastrophic** injuries, (2) **catastrophic** climate change

The extinction rate of aquatic animals was **catastrophic**.

## destruction

*n.* the act of causing so much damage to something

*synonym*: devastation, annihilation, ruin

(1) path of **destruction**, (2) cyclonic **destruction**

The extinction of several subspecies has been linked to climate change and habitat **destruction**.

## 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.

## efficiently

*adv.* in a way that produces maximum output with minimum effort or expense

*synonym*: expeditiously, skillfully, ably

(1) **efficiently** combined, (2) develop software more **efficiently**

We can resolve support requests quickly and **efficiently** by utilization of AI.

## mess

*n.* a state of confusion, dirtiness, or untidiness; (verb) to fail to do something or to make something dirty or untidy

*synonym*: disarray, confusion, predicament

(1) have a whole **mess**, (2) get into a **mess**

He made a frightful **mess** in his room.

## recycle

*v.* to sort and collect things to process them and produce valuable materials that can be used again

*synonym*: reclaim, reuse, reprocess

(1) **recycle** the cardboard boxes, (2) **recycle** milk packaging into new paper

We largely **recycle** the circuit board of cell phones because they contain a lot of valuable metals.

## imaginary

*adj.* existing only in someone's mind

*synonym*: fictional, ideal, fantastical

(1) **imaginary** number, (2) **imaginary** pregnancy

Little children tend to have **imaginary** friends.

## unfold

*v.* to open up or spread out something that is folded or rolled up; to reveal or disclose something that was



previously hidden or unknown

*synonym*: open, spread out, expose

(1) **unfold** the story, (2) **unfold** the stroller

The mystery **unfolded** as the detectives gathered more clues.

## phenomenon

*n.* something that exists and can be perceptible, especially one that is not fully understood

*synonym*: marvel, wonder, splendor

(1) natural **phenomenon**, (2) historical **phenomenon**

A rainbow is a natural **phenomenon**.

## awesome

*adj.* inspiring fear, admiration, or respect; very good, nice, fun, etc.

*synonym*: miraculous, marvelous, astounding

(1) **awesome** mental faculty, (2) have an **awesome** birthday

There is a lot of **awesome** nature and food in Hawaii.

## backyard

*n.* a whole space behind and belonging to a house

*synonym*: courtyard, garden

(1) play in the **backyard**, (2) **backyard** barbecue

He grows vegetables in his **backyard**.

## immediately

*adv.* now or without delay

*synonym*: directly, instantly, promptly

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

**immediately**

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

## facility

*n.* a building or place that provides a particular service or is used for a particular industry

*synonym*: building, structure, installation

(1) a cell phone with an internet **facility**, (2) **facility** design

This company has an entire recycling **facility**, including major reprocessing plants.

**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.

**exciting**

*adj.* causing a lot of interest or excitement

*synonym*: exhilarating, stimulating, thrilling

(1) **exciting** football player, (2) **exciting** news

The findings of the experiment were both **exciting** and unexpected.

## Session 2: Spelling

- |                                    |      |  |
|------------------------------------|------|--|
| 1. pu___e freedoms                 | v.   | to do something or attempt to attain something over time; to follow or seek someone or something, especially in trying to catch them |
| 2. de___t smuggling across borders | v.   | to find or recognize something, especially something difficult to see, hear, etc.  |
| 3. path of des_____on              | n.   | the act of causing so much damage to something   |
| 4. cir_____nce of injury           | n.   | the specific conditions or events that surround a particular situation or occurrence   |
| 5. a cl_____c experiment           | adj. | judged or deserving to be regarded as one of the best or most important of its kind over a period of time; of a well-known type      |
| 6. ci_____ar economy               | adj. | shaped like a circle; having a round form  |
| 7. con_____sly removed             | adv. | without being interrupted or paused; repeatedly  |
| 8. an int_____nce test             | n.   | the ability to learn, comprehend, or make judgments or conclusions based on reasons  |
| 9. ex_____ng football player       | adj. | causing a lot of interest or excitement  |
| 10. cyclonic des_____on            | n.   | the act of causing so much damage to something   |

ANSWERS: 1. pursue, 2. detect, 3. destruction, 4. circumstance, 5. classic, 6. circular, 7. continuously, 8. intelligence, 9. exciting, 10. destruction

11. the st\_\_\_\_\_re of a machine      *n.* the way of construction of something and the arrangement of its parts, or a complex thing constructed of many parts
12. co\_\_\_\_\_ed of the idea      *adj.* completely certain about something; having a strong belief or conviction in a particular religion
13. gi\_\_t trees      *adj.* enormous; much bigger or more important than similar items usually are
14. Chinese cl\_\_\_\_\_c literature      *adj.* judged or deserving to be regarded as one of the best or most important of its kind over a period of time; of a well-known type
15. asy\_\_\_\_\_ic warfare      *adj.* lacking symmetry or balance; not corresponding in size, shape, or degree; characterized by an uneven or unequal distribution or arrangement
16. cultural n\_\_m      *n.* something that is regarded as usual, typical, or standard
17. the th\_\_\_l of speed      *n.* a feeling of extreme and sudden excitement and pleasure; to cause someone to feel sudden intense sensation or emotion
18. a gr\_\_h sample      *n.* a picture consisting of a line, lines, points, etc., that shows how two or more sets of certain quantities are related to each other
19. co\_\_\_\_\_on detection      *n.* an instance of two or more objects or entities crashing into each other, usually resulting in damage, impact, or conflict

ANSWERS: 11. structure, 12. convinced, 13. giant, 14. classic, 15. asymmetric, 16. norm, 17. thrill, 18. graph, 19. collision

20. limitless va\_\_\_\_\_ss *n.* the extent or size of something, often describing an ample space or area; the quality of being immense or immense in scale
21. an ent\_\_\_\_\_stic response *n.* a person having a strong liking for something
22. d\_p a chip in the sauce *v.* to put something into a liquid for a short time and take it out again
23. mo\_\_\_\_\_r an exam *v.* to observe, check, and track the progress or quality of something over a period of time
24. elliptic ga\_\_\_\_y *n.* an independent group of stars, interstellar gas, dark matter, etc., in the universe, bound together by gravity
25. the w\_t of man *n.* the ability to say or write things or ideas in a clever and humorous way
26. the state of being we\_\_d *adj.* extraordinary, unexpected, or difficult to explain
27. sp\_\_\_\_e of influence *n.* a round object or geometric shape that is three-dimensional and symmetrical around a central point; a particular aspect or scope of life or activity
28. re\_\_\_\_\_e a world record *v.* to write something such as a book or speech again in a different way, usually to improve it or add new information
29. cir\_\_\_\_\_nce of birth *n.* the specific conditions or events that surround a particular situation or occurrence
30. cognitive com\_\_\_\_\_ty *n.* the state or quality of being complicated or intricate and difficult to understand

ANSWERS: 20. vastness, 21. enthusiast, 22. dip, 23. monitor, 24. galaxy, 25. wit, 26. weird, 27. sphere, 28. rewrite, 29. circumstance, 30. complexity

31. sup\_\_\_\_\_se image      *v.* to place, layer, or overlay one thing on top of another, typically in such a way that both are still visible; to add or combine something additional into an existing structure, design, or system
32. 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
33. neutrino ast\_\_\_\_\_ics      *n.* the branch of physics concerned with the study of the properties and behavior of celestial objects and the physical processes that govern the behavior and evolution of the universe
34. di\_\_\_\_\_s solutions      *v.* to talk about or examine in detail through conversation or debate; to exchange ideas, opinions, or information on a particular topic
35. 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
36. former co\_\_\_\_\_ue      *n.* one of a group of a coworker, especially in a profession or a business
37. an or\_\_\_\_\_ry school      *adj.* not different, exceptional, or unexpected in any way, especially in quality, ability, size, or degree
38. ad\_\_\_\_\_e the technology      *v.* to go or move forward; to develop in a positive way

ANSWERS: 31. superimpose, 32. mystery, 33. astrophysics, 34. discuss, 35. planet, 36. colleague, 37. ordinary, 38. advance

39. scenic va\_\_\_\_\_ss *n.* the extent or size of something, often describing an ample space or area; the quality of being immense or immense in scale
40. details of his pr\_\_\_\_\_al *n.* a formal suggestion or offer, sometimes a written one
41. dull si\_\_t *n.* the ability to see; anything that is seen
42. 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
43. an international tr\_\_d *n.* a general direction in which something is changing or developing
44. field of artificial int\_\_\_\_\_nce *n.* the ability to learn, comprehend, or make judgments or conclusions based on reasons
45. fa\_\_\_\_\_ty design *n.* a building or place that provides a particular service or is used for a particular industry
46. di\_\_\_\_\_s options *v.* to talk about or examine in detail through conversation or debate; to exchange ideas, opinions, or information on a particular topic
47. s\_\_t sand *v.* to put flour, sugar, etc. through a sieve (= a utensil consisting of a wire or plastic mesh in a frame) to remove lumps or large particles

ANSWERS: 39. vastness, 40. proposal, 41. sight, 42. develop, 43. trend, 44. intelligence, 45. facility, 46. discuss, 47. sift

48. attract br\_\_d attention *adj.* very wide; general
49. a per\_\_\_\_ve view *n.* a confident attitude toward something; a particular style of thinking about something
50. f\_\_t accomplishment *n.* a notable or impressive achievement, especially one that requires great skill or bravery
51. a gr\_\_\_\_l change *adj.* happening slowly over a long period of time or distance; not steep or abrupt
52. co\_\_\_\_ed laughter *adj.* created or arranged in an artificial, forced, or deliberate way; not natural or spontaneous
53. the tr\_\_d away from television *n.* a general direction in which something is changing or developing
54. un\_\_\_\_d the story *v.* to open up or spread out something that is folded or rolled up; to reveal or disclose something that was previously hidden or unknown
55. gi\_\_t tech company *adj.* enormous; much bigger or more important than similar items usually are
56. co\_\_t Halley *n.* a celestial object consisting of a nucleus of ice and dust that goes around the sun
57. an\_\_\_\_y detection *n.* something or someone that deviates from what is expected or normal, often in a way that is difficult to explain or understand
58. co\_\_\_\_e head-on *v.* to hit something violently when moving

ANSWERS: 48. broad, 49. perspective, 50. feat, 51. gradual, 52. contrived, 53. trend, 54. unfold, 55. giant, 56. comet, 57. anomaly, 58. collide



59. re\_\_\_\_\_e the cardboard boxes      *v.* to sort and collect things to process them and produce valuable materials that can be used again
60. the per\_\_\_\_\_ve of the battle      *n.* a confident attitude toward something; a particular style of thinking about something
61. co\_\_\_\_\_ed situation      *adj.* created or arranged in an artificial, forced, or deliberate way; not natural or spontaneous
62. al\_\_n the economic interest of each other      *v.* to put or arrange two or more things in a straight line or to form a straight line
63. yield cu\_\_e      *n.* a bend or angle in a line or surface that deviates from a straight or flat path; a gradual or smooth change in direction or shape
64. 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
65. a sop\_\_\_\_\_ted lifestyle      *adj.* having a great deal of worldly experience and knowledge of people's behavior, culture, and fashion
66. ind\_\_\_\_\_nce ceremony      *n.* freedom from another's or others' control or influence
67. ske\_\_\_\_\_sm toward bureaucracy      *n.* an attitude of doubting or questioning that claims or statements are true or valuable or that something will happen; the disbelief in any claims of ultimate knowledge

ANSWERS: 59. recycle, 60. perspective, 61. contrived, 62. align, 63. curve, 64. discovery, 65. sophisticated, 66. independence, 67. skepticism

68. space obs\_\_\_\_\_ry *n.* a building designed and equipped to observe the planets, the stars, the weather, etc.
69. 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
70. obs\_\_\_\_\_on instrument *n.* the act or activity of carefully examining or monitoring something or someone
71. the du\_\_\_\_\_on of insurance *n.* the length of time something lasts or continues
72. en\_\_\_\_\_us potential *adj.* extremely large or great
73. ast\_\_\_\_\_ics research *n.* the branch of physics concerned with the study of the properties and behavior of celestial objects and the physical processes that govern the behavior and evolution of the universe
74. speak with pr\_\_\_\_\_on *n.* the quality or condition of being exact and accurate
75. historical phe\_\_\_\_\_on *n.* something that exists and can be perceptible, especially one that is not fully understood
76. a meteorological obs\_\_\_\_\_ry *n.* a building designed and equipped to observe the planets, the stars, the weather, etc.
77. f\_\_x density *n.* the state of constantly changing or flowing; the rate of flow of energy or particles across a particular place
78. ra\_\_\_\_\_e an aura *v.* to spread out or emit something, such as light or heat, in all directions

ANSWERS: 68. observatory, 69. spot, 70. observation, 71. duration, 72. enormous, 73. astrophysics, 74. precision, 75. phenomenon, 76. observatory, 77. flux, 78. radiate

79. an ell\_\_\_\_\_al motion *adj.* having the shape of an oval (= a closed plane curve); using a word or expression that is ambiguous or vague, especially to mislead or avoid committing oneself
80. l\_\_k data *v.* to allow liquid or gas to get in or out from a hole or crack in a pipe or container
81. ex\_\_\_e rebellion *v.* to make someone feel suddenly enthusiastic or eager
82. have an aw\_\_\_\_\_e birthday *adj.* inspiring fear, admiration, or respect; very good, nice, fun, etc.
83. 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
84. re\_\_\_\_\_ce by myself *v.* to make a copy of something such as a picture, piece of text, music, etc.; to produce offspring through a sexual or asexual process
85. co\_\_\_\_\_e in midair *v.* to hit something violently when moving
86. slide down a sl\_\_e on a ski *n.* a surface with one end or side that is higher than the other
87. 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: 79. elliptical, 80. leak, 81. excite, 82. awesome, 83. distance, 84. reproduce, 85. collide, 86. slope, 87. develop

88. financial ind\_\_\_\_\_nce  
*n.* freedom from another's or others' control or influence
89. a binocular te\_\_\_\_\_pe  
*n.* a device like a tube in shape containing lenses used to magnify and observe distant objects
90. ga\_\_\_e \$100 on the race  
*v.* to take risky action in the hope of being successful; to play or game for money or other stakes
91. co\_\_\_\_\_ed criminal  
*adj.* completely certain about something; having a strong belief or conviction in a particular religion
92. a car-wr\_\_\_t  
*n.* a person who makes or repairs something, especially a craftsman or artisan who works with wood or metal
93. mass tr\_\_\_\_\_t  
*n.* the act or process of passing through or across a place or state; transportation
94. a gr\_\_\_\_\_l process  
*adj.* happening slowly over a long period of time or distance; not steep or abrupt
95. ex\_\_\_\_\_ed parents  
*adj.* extremely tired
96. int\_\_\_\_\_ary exploration  
*adj.* relating to or occurring between planets, particularly regarding space travel or communication
97. 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
98. un\_\_\_n coating  
*adj.* not level or flat; not balanced or symmetrical

ANSWERS: 88. independence, 89. telescope, 90. gamble, 91. convinced, 92. wright, 93. transit, 94. gradual, 95. exhausted, 96. interplanetary, 97. observe, 98. uneven

99. im\_\_\_\_\_ry number *adj.* existing only in someone's mind
100. joint rec\_\_\_\_\_on *n.* the action or process of recognizing or being recognized, especially by remembering; an agreement that something is true or legal
101. 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
102. ca\_\_\_\_\_e a glimpse *v.* to catch a person or an animal and confine them in an area which they cannot escape
103. not no\_\_\_\_\_ly drink much *adv.* usually; under normal conditions
104. pu\_\_\_e a goal *v.* to do something or attempt to attain something over time; to follow or seek someone or something, especially in trying to catch them
105. the most am\_\_\_\_\_g feeling *adj.* extremely surprising, especially in a way that you like or admire
106. de\_\_\_e a question *v.* to make up someone's mind about something; to come to a conclusion or judgment after considering options
107. st\_\_\_\_\_ht sky *n.* the light emitted or reflected by stars, often observed in the night sky; the radiant energy emitted by stars
108. gi\_\_\_\_\_us skyscraper *adj.* (combination of "gigantic" and "enormous") extremely large
109. a ga\_\_\_y of famous actors *n.* an independent group of stars, interstellar gas, dark matter, etc., in the universe, bound together by gravity

ANSWERS: 99. imaginary, 100. recognition, 101. alien, 102. capture, 103. normally, 104. pursue, 105. amazing, 106. decide, 107. starlight, 108. ginormous, 109. galaxy

110. a last re\_\_\_t                      *n.* a place where many people go for rest, sport, or another stated purpose; (verb) to turn to or take a course of action, especially an extreme or undesirable one, to resolve a difficult circumstance
111. romantic st\_\_\_\_\_ht                      *n.* the light emitted or reflected by stars, often observed in the night sky; the radiant energy emitted by stars
112. un\_\_\_d the stroller                      *v.* to open up or spread out something that is folded or rolled up; to reveal or disclose something that was previously hidden or unknown
113. learning cu\_\_\_e                      *n.* a bend or angle in a line or surface that deviates from a straight or flat path; a gradual or smooth change in direction or shape
114. false cl\_\_m                      *v.* to assert that something is true; to demand or request something as one's own; to lay legal or moral right to something; (noun) a demand or assertion of a right or something that one believes to be true
115. f\_\_x of particles                      *n.* the state of constantly changing or flowing; the rate of flow of energy or particles across a particular place
116. vi\_\_\_\_\_e by X-ray                      *adj.* capable of being seen; or open to easy view
117. de\_\_\_t a bad event                      *v.* to find or recognize something, especially something difficult to see, hear, etc.

ANSWERS: 110. resort, 111. starlight, 112. unfold, 113. curve, 114. claim, 115. flux, 116. visible, 117. detect

118. classic car ent\_\_\_\_\_sts *n.* a person having a strong liking for something
119. 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
120. imp\_\_\_\_\_ve performances *adj.* arousing admiration due to size, quality, or skill
121. locust sw\_\_\_m *n.* a group of many things, such as insects, fishes, etc., in the air or water or on the ground
122. develop software more eff\_\_\_\_\_ly *adv.* in a way that produces maximum output with minimum effort or expense
123. s\_\_t the candidates *v.* to put flour, sugar, etc. through a sieve (= a utensil consisting of a wire or plastic mesh in a frame) to remove lumps or large particles
124. st\_\_\_\_\_re and function of the brain *n.* the way of construction of something and the arrangement of its parts, or a complex thing constructed of many parts
125. ac\_\_\_\_\_m definition *n.* a word formed from the first letter of each word in a phrase, such as NASA (National Aeronautics and Space Administration) or AIDS (Acquired Immune Deficiency Syndrome)
126. ad\_\_\_\_\_e a cooperative relationship *v.* to go or move forward; to develop in a positive way
127. end of the first qu\_\_\_\_\_r *n.* one of four equal parts; a fourth part or portion

ANSWERS: 118. enthusiast, 119. hypothesis, 120. impressive, 121. swarm, 122. efficiently, 123. sift, 124. structure, 125. acronym, 126. advance, 127. quarter

128. collaborate with co\_\_\_\_\_ues *n.* one of a group of a coworker, especially in a profession or a business
129. d\_p a pen in ink *v.* to put something into a liquid for a short time and take it out again
130. im\_\_\_\_\_ry pregnancy *adj.* existing only in someone's mind
131. use one thing con\_\_\_\_\_sly *adv.* without being interrupted or paused; repeatedly
132. a c\_\_e to the diagnosis *n.* an object, a piece of evidence, or some information that helps someone to find the answer to a problem, question, or mystery
133. a tr\_\_\_\_\_t visa *n.* the act or process of passing through or across a place or state; transportation
134. the surface of the co\_\_t *n.* a celestial object consisting of a nucleus of ice and dust that goes around the sun
135. s\_\_p a whip *v.* to record on photographic film; to make a sudden, sharp sound; (noun) the act of catching an object with the hands
136. h\_\_t a job *v.* to go after and try to catch wild animals to kill them for food, sport, or profit
137. asy\_\_\_\_\_ic information *adj.* lacking symmetry or balance; not corresponding in size, shape, or degree; characterized by an uneven or unequal distribution or arrangement
138. ra\_\_\_\_\_e in all directions *v.* to spread out or emit something, such as light or heat, in all directions
139. non-ci\_\_\_\_\_ar orbit *adj.* shaped like a circle; having a round form

ANSWERS: 128. colleague, 129. dip, 130. imaginary, 131. continuously, 132. clue, 133. transit, 134. comet, 135. snap, 136. hunt, 137. asymmetric, 138. radiate, 139. circular



140. get into a m\_\_s *n.* a state of confusion, dirtiness, or untidiness; (verb) to fail to do something or to make something dirty or untidy
141. mys\_\_\_\_\_us object *adj.* difficult to understand, explain, or identify; having an aura of secrecy, intrigue, or puzzlement
142. l\_\_k a classified memo *v.* to allow liquid or gas to get in or out from a hole or crack in a pipe or container
143. solar ast\_\_\_\_\_er *n.* a physicist who studies astronomy
144. Jo\_\_\_n planet *adj.* relating to Jupiter or its characteristics
145. sop\_\_\_\_\_ted look *adj.* having a great deal of worldly experience and knowledge of people's behavior, culture, and fashion
146. gi\_\_\_\_\_us elephant *adj.* (combination of "gigantic" and "enormous") extremely large
147. the ex\_\_\_\_\_ed food sources *adj.* extremely tired
148. res\_\_\_\_\_le for a customer service *adj.* answerable or accountable for something within one's power, control, or management
149. com\_\_\_\_\_ty theory *n.* the state or quality of being complicated or intricate and difficult to understand
150. sur\_\_\_\_\_ng areas *adj.* that is near or around, or closely encircling something
151. an unexpected si\_\_t *n.* the ability to see; anything that is seen
152. int\_\_\_\_\_ary debris *adj.* relating to or occurring between planets, particularly regarding space travel or communication

ANSWERS: 140. mess, 141. mysterious, 142. leak, 143. astronomer, 144. Jovian, 145. sophisticated, 146. ginormous, 147. exhausted, 148. responsible, 149. complexity, 150. surrounding, 151. sight, 152. interplanetary

153. 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
154. gray ta\_\_y      *n.* a type of domestic cat with a distinctive coat pattern of dark stripes or spots on a lighter background; (adjective) describing someone who is short and fat, plump, or round in shape
155. ext\_\_\_\_\_ial planet      *adj.* relating to or existing outside of the Earth's atmosphere or planetary boundaries; pertaining to beings or phenomena that originate from beyond the Earth
156. a ca\_\_\_y title for a movie      *adj.* pleasing and easy to remember; likely to attract attention
157. mys\_\_\_\_\_us stranger      *adj.* difficult to understand, explain, or identify; having an aura of secrecy, intrigue, or puzzlement
158. aircraft wr\_\_\_t      *n.* a person who makes or repairs something, especially a craftsman or artisan who works with wood or metal
159. a cr\_\_y scheme      *adj.* stupid or not sensible; very angry
160. re\_\_\_\_\_ce the painting      *v.* to make a copy of something such as a picture, piece of text, music, etc.; to produce offspring through a sexual or asexual process
161. ta\_\_y kitten      *n.* a type of domestic cat with a distinctive coat pattern of dark stripes or spots on a lighter background; (adjective) describing someone who is short and fat, plump, or round in shape

ANSWERS: 153. invoke, 154. tabby, 155. extraterrestrial, 156. catchy, 157. mysterious, 158. wright, 159. crazy, 160. reproduce, 161. tabby

162. ext\_\_\_\_\_ary ability *adj.* exceptional, unexpected, very unusual; surpassing the ordinary or usual
163. gr\_\_h theory *n.* a picture consisting of a line, lines, points, etc., that shows how two or more sets of certain quantities are related to each other
164. natural phe\_\_\_\_\_on *n.* something that exists and can be perceptible, especially one that is not fully understood
165. a sw\_\_m of mosquitoes *n.* a group of many things, such as insects, fishes, etc., in the air or water or on the ground
166. 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
167. s\_\_p judgment *v.* to record on photographic film; to make a sudden, sharp sound; (noun) the act of catching an object with the hands
168. rec\_\_\_\_\_on award *n.* the action or process of recognizing or being recognized, especially by remembering; an agreement that something is true or legal
169. h\_\_t after knowledge *v.* to go after and try to catch wild animals to kill them for food, sport, or profit
170. 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

ANSWERS: 162. extraordinary, 163. graph, 164. phenomenon, 165. swarm, 166. mystery, 167. snap, 168. recognition, 169. hunt, 170. spot

171. mo\_\_\_\_r the data carefully      *v.* to observe, check, and track the progress or quality of something over a period of time
172. aw\_\_\_\_e mental faculty      *adj.* inspiring fear, admiration, or respect; very good, nice, fun, etc.
173. do on a con\_\_\_\_nt basis      *adj.* always behaving or happening in the same way, or having the same thoughts, standards, etc.
174. permanent br\_\_n damage      *n.* the organ inside the head that is responsible for one's movement, thought, memory, and feeling
175. cl\_\_m responsibility      *v.* to assert that something is true; to demand or request something as one's own; to lay legal or moral right to something; (noun) a demand or assertion of a right or something that one believes to be true
176. ext\_\_\_\_ary weather      *adj.* exceptional, unexpected, very unusual; surpassing the ordinary or usual
177. cost of solar pa\_\_ls      *n.* a square or rectangular and flat piece of something that forms a distinct section or component of something; a small group of specialists who discuss particular topics or give their advice or opinion about something
178. d\_\_y authority      *v.* to challenge or dare someone to do something; to resist or disobey a rule, decision, etc.
179. global temperature an\_\_\_\_y      *n.* something or someone that deviates from what is expected or normal, often in a way that is difficult to explain or understand

ANSWERS: 171. monitor, 172. awesome, 173. consistent, 174. brain, 175. claim, 176. extraordinary, 177. panel, 178. defy, 179. anomaly

180. look through a te\_\_\_\_\_pe *n.* a device like a tube in shape containing lenses used to magnify and observe distant objects
181. use an ac\_\_\_\_\_m *n.* a word formed from the first letter of each word in a phrase, such as NASA (National Aeronautics and Space Administration) or AIDS (Acquired Immune Deficiency Syndrome)
182. ba\_\_\_\_\_rd barbecue *n.* a whole space behind and belonging to a house
183. amateur ast\_\_\_\_\_er *n.* a physicist who studies astronomy
184. natural ske\_\_\_\_\_sm *n.* an attitude of doubting or questioning that claims or statements are true or valuable or that something will happen; the disbelief in any claims of ultimate knowledge
185. 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
186. an imp\_\_\_\_\_ve array of facts *adj.* arousing admiration due to size, quality, or skill
187. victim of cat\_\_\_\_\_hic injuries *adj.* extremely harmful; causing physical or financial destruction
188. Jo\_\_\_\_n satellites *adj.* relating to Jupiter or its characteristics
189. have a whole m\_\_\_\_s *n.* a state of confusion, dirtiness, or untidiness; (verb) to fail to do something or to make something dirty or untidy
190. re\_\_\_\_t to desperate measures *n.* a place where many people go for rest, sport, or another stated purpose; (verb) to turn to or take a course of action, especially an extreme or undesirable one, to resolve a difficult circumstance

ANSWERS: 180. telescope, 181. acronym, 182. backyard, 183. astronomer, 184. skepticism, 185. hypothesis, 186. impressive, 187. catastrophic, 188. Jovian, 189. mess, 190. resort

191. an innovative pr\_\_\_\_al      *n.* a formal suggestion or offer, sometimes a written one
192. n\_\_m of action      *n.* something that is regarded as usual, typical, or standard
193. 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
194. rem\_\_\_\_\_le achievement      *adj.* worthy of attention because unusual or special
195. ex\_\_\_\_\_e sports      *adj.* very great in amount or degree
196. hear customer's voices fi\_\_\_\_\_nd      *adv.* from the source; directly; (adjective) received directly from a source
197. d\_m and distant past      *adj.* poorly lit; not bright
198. 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
199. business sp\_\_\_e      *n.* a round object or geometric shape that is three-dimensional and symmetrical around a central point; a particular aspect or scope of life or activity
200. a cell phone with an internet  
fa\_\_\_\_\_ty      *n.* a building or place that provides a particular service or is used for a particular industry
201. 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

ANSWERS: 191. proposal, 192. norm, 193. distance, 194. remarkable, 195. extreme, 196. firsthand, 197. dim, 198. depth, 199. sphere, 200. facility, 201. alien

202. ext\_\_\_\_\_ial intelligence *adj.* relating to or existing outside of the Earth's atmosphere or planetary boundaries; pertaining to beings or phenomena that originate from beyond the Earth
203. re\_\_\_\_\_e CO2 into the air *v.* to set free or allow to escape from confinement
204. cr\_\_y about cars and racing *adj.* stupid or not sensible; very angry
205. re\_\_\_\_\_e a composition *v.* to write something such as a book or speech again in a different way, usually to improve it or add new information
206. re\_\_\_\_\_e a prisoner *v.* to set free or allow to escape from confinement
207. 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
208. ex\_\_\_\_\_ng news *adj.* causing a lot of interest or excitement
209. ex\_\_\_\_e the crowd *v.* to make someone feel suddenly enthusiastic or eager
210. pa\_\_l discussion *n.* a square or rectangular and flat piece of something that forms a distinct section or component of something; a small group of specialists who discuss particular topics or give their advice or opinion about something
211. a br\_\_d mind *adj.* very wide; general
212. intellectual f\_\_t *n.* a notable or impressive achievement, especially one that requires great skill or bravery

ANSWERS: 202. extraterrestrial, 203. release, 204. crazy, 205. rewrite, 206. release, 207. invoke, 208. exciting, 209. excite, 210. panel, 211. broad, 212. feat

213. en\_\_\_\_us amount *adj.* extremely large or great
214. in\_\_\_\_te an error *v.* to show, point out, or make known something, often through a sign or a symbol; to suggest or imply something without stating it directly
215. full of w\_t *n.* the ability to say or write things or ideas in a clever and humorous way
216. a pr\_\_\_\_\_on instrument *n.* the quality or condition of being exact and accurate
217. eff\_\_\_\_\_ly combined *adv.* in a way that produces maximum output with minimum effort or expense
218. an ell\_\_\_\_\_al galaxies *adj.* having the shape of an oval (= a closed plane curve); using a word or expression that is ambiguous or vague, especially to mislead or avoid committing oneself
219. a c\_\_e about the crime *n.* an object, a piece of evidence, or some information that helps someone to find the answer to a problem, question, or mystery
220. 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
221. a qu\_\_\_\_\_r mile *n.* one of four equal parts; a fourth part or portion
222. an abrupt sl\_\_e *n.* a surface with one end or side that is higher than the other

ANSWERS: 213. enormous, 214. indicate, 215. wit, 216. precision, 217. efficiently, 218. elliptical, 219. clue, 220. observe, 221. quarter, 222. slope



223. basic br\_\_n function *n.* the organ inside the head that is responsible for one's movement, thought, memory, and feeling
224. un\_\_\_n numbers *adj.* not level or flat; not balanced or symmetrical
225. a dependent va\_\_\_\_\_le *adj.* likely to change or vary often; (noun) a symbol, like x or y, that is used in mathematical or logical expressions to represent a value that may be changed
226. am\_\_\_\_\_g advances *adj.* extremely surprising, especially in a way that you like or admire
227. incredible th\_\_\_l *n.* a feeling of extreme and sudden excitement and pleasure; to cause someone to feel sudden intense sensation or emotion
228. in\_\_\_\_\_te a preference *v.* to show, point out, or make known something, often through a sign or a symbol; to suggest or imply something without stating it directly
229. de\_\_\_e on a course of action *v.* to make up someone's mind about something; to come to a conclusion or judgment after considering options
230. la\_\_\_h a spaceship into orbit *v.* to send or propel something into the air or space using a device such as a rocket, missile, or spacecraft; to make something available or on sale for the first time
231. d\_m memory *adj.* poorly lit; not bright
232. vi\_\_\_\_\_e stars *adj.* capable of being seen; or open to easy view

ANSWERS: 223. brain, 224. uneven, 225. variable, 226. amazing, 227. thrill, 228. indicate, 229. decide, 230. launch, 231. dim, 232. visible

233. the or\_\_t of the moon *n.* the path of an object around a celestial body, especially a planet, star, or moon, under the influence of gravity; (of medicine) the bony cavity in the skull that houses the eyeball and its associated structures, like muscles, nerves, and blood vessels
234. sup\_\_\_\_\_se text *v.* to place, layer, or overlay one thing on top of another, typically in such a way that both are still visible; to add or combine something additional into an existing structure, design, or system
235. the degree of dif\_\_\_\_\_ty *n.* a condition or state that causes problems
236. play in the ba\_\_\_\_\_rd *n.* a whole space behind and belonging to a house
237. 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
238. re\_\_\_\_\_e milk packaging into new paper *v.* to sort and collect things to process them and produce valuable materials that can be used again
239. ca\_\_\_\_\_e customers' hearts *v.* to catch a person or an animal and confine them in an area which they cannot escape
240. write him an answer imm\_\_\_\_\_ly *adv.* now or without delay
241. class obs\_\_\_\_\_on day *n.* the act or activity of carefully examining or monitoring something or someone

ANSWERS: 233. orbit, 234. superimpose, 235. difficulty, 236. backyard, 237. discovery, 238. recycle, 239. capture, 240. immediately, 241. observation

242. conduct fi\_\_\_\_\_nd research *adv.* from the source; directly; (adjective) received directly from a source
243. a we\_\_d dress *adj.* extraordinary, unexpected, or difficult to explain
244. a va\_\_\_\_\_le species *adj.* likely to change or vary often; (noun) a symbol, like x or y, that is used in mathematical or logical expressions to represent a value that may be changed
245. a fence sur\_\_\_\_\_ng a castle *adj.* that is near or around, or closely encircling something
246. cat\_\_\_\_\_hic climate change *adj.* extremely harmful; causing physical or financial destruction
247. imm\_\_\_\_\_ly recall a product *adv.* now or without delay
248. in\_\_\_\_\_e a high degree of risk *v.* to include or affect someone or something as a necessary part of something else
249. laws of ph\_\_\_\_\_s *n.* the science of matter and energy and their interactions
250. nuclear ph\_\_\_\_\_s *n.* the science of matter and energy and their interactions
251. g\_\_w gold in the light *v.* to give out a steady, strong light
252. d\_\_y gravity *v.* to challenge or dare someone to do something; to resist or disobey a rule, decision, etc.
253. ca\_\_\_y nickname *adj.* pleasing and easy to remember; likely to attract attention
254. get con\_\_\_\_\_nt results *adj.* always behaving or happening in the same way, or having the same thoughts, standards, etc.

ANSWERS: 242. firsthand, 243. weird, 244. variable, 245. surrounding, 246. catastrophic, 247. immediately, 248. involve, 249. physics, 250. physics, 251. glow, 252. defy, 253. catchy, 254. consistent

255. in\_\_\_\_\_e a lot of paperwork *v.* to include or affect someone or something as a necessary part of something else
256. 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
257. the rem\_\_\_\_\_le breadth of knowledge *adj.* worthy of attention because unusual or special
258. al\_\_n with a historical trend *v.* to put or arrange two or more things in a straight line or to form a straight line
259. res\_\_\_\_\_le action *adj.* answerable or accountable for something within one's power, control, or management
260. short du\_\_\_\_\_on *n.* the length of time something lasts or continues
261. 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
262. la\_\_\_\_h a big attack *v.* to send or propel something into the air or space using a device such as a rocket, missile, or spacecraft; to make something available or on sale for the first time
263. g\_\_w a pale orange *v.* to give out a steady, strong light
264. ga\_\_\_\_e away my fortune *v.* to take risky action in the hope of being successful; to play or game for money or other stakes

ANSWERS: 255. involve, 256. collision, 257. remarkable, 258. align, 259. responsible, 260. duration, 261. planet, 262. launch, 263. glow, 264. gamble

265. ex\_\_\_\_\_e weather events *adj.* very great in amount or degree
266. dif\_\_\_\_\_ty in breathing *n.* a condition or state that causes problems
267. or\_\_\_\_\_ry annual revenue *adj.* not different, exceptional, or unexpected in any way, especially in quality, ability, size, or degree
268. de\_\_h camera *n.* the distance between the top and bottom of something; between the top surface and a distance below it
269. a planetary or\_\_t *n.* the path of an object around a celestial body, especially a planet, star, or moon, under the influence of gravity; (of medicine) the bony cavity in the skull that houses the eyeball and its associated structures, like muscles, nerves, and blood vessels
270. complete no\_\_\_\_\_ly *adv.* usually; under normal conditions

ANSWERS: 265. extreme, 266. difficulty, 267. ordinary, 268. depth, 269. orbit, 270. normally

## Session 3: Fill in the Blanks

1. 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
  
2. \_\_\_\_\_ 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
  
3. The extinction of several subspecies has been linked to climate change and habitat \_\_\_\_\_.  
*n.* the act of causing so much damage to something
  
4. She tried to \_\_\_\_\_ her parents by moving to the city against their wishes.  
*v.* to challenge or dare someone to do something; to resist or disobey a rule, decision, etc.
  
5. Public \_\_\_\_\_ is an essential service for many cities.  
*n.* the act or process of passing through or across a place or state; transportation
  
6. This company has an entire recycling \_\_\_\_\_ including major reprocessing plants.  
*n.* a building or place that provides a particular service or is used for a particular industry
  
7. Please \_\_\_\_\_ up a bucketful of water from the well.  
*v.* to put something into a liquid for a short time and take it out again

ANSWERS: 1. spot, 2. Alien, 3. destruction, 4. defy, 5. transit, 6. facility, 7. dip

8. Skydiving is an overwhelming \_\_\_\_\_ for many people.
- n.* a feeling of extreme and sudden excitement and pleasure; to cause someone to feel sudden intense sensation or emotion
9. The rocket engine is used to put the satellite into \_\_\_\_\_.
- n.* the path of an object around a celestial body, especially a planet, star, or moon, under the influence of gravity; (of medicine) the bony cavity in the skull that houses the eyeball and its associated structures, like muscles, nerves, and blood vessels
10. 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
11. The \_\_\_\_\_ shape of the planet makes it difficult to determine which direction is north.
- adj.* shaped like a circle; having a round form
12. This bar \_\_\_\_\_ shows sales over the past five years.
- n.* a picture consisting of a line, lines, points, etc., that shows how two or more sets of certain quantities are related to each other
13. 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
14. The \_\_\_\_\_ of the ocean was awe-inspiring and humbling.
- n.* the extent or size of something, often describing an ample space or area; the quality of being immense or immense in scale

ANSWERS: 8. thrill, 9. orbit, 10. observe, 11. circular, 12. graph, 13. galaxy, 14. vastness

15. The news of her promotion \_\_\_\_\_ her.  
*v.* to make someone feel suddenly enthusiastic or eager
16. Both parties are now entirely ideologically \_\_\_\_\_.  
*v.* to put or arrange two or more things in a straight line or to form a straight line
17. Solar gravity creates \_\_\_\_\_ pressures and temperatures.  
*adj.* very great in amount or degree
18. He narrated the \_\_\_\_\_ story of his adventure.  
*adj.* exceptional, unexpected, very unusual; surpassing the ordinary or usual
19. We can resolve support requests quickly and \_\_\_\_\_ by utilization of AI.  
*adv.* in a way that produces maximum output with minimum effort or expense
20. By dividing and creating copies of themselves, bacteria \_\_\_\_\_.  
*v.* to make a copy of something such as a picture, piece of text, music, etc.; to produce offspring through a sexual or asexual process
21. The country's economic situation has improved markedly due to reform \_\_\_\_\_.  
*n.* a person having a strong liking for something
22. A \_\_\_\_\_ of angry bees attacked because we had approached the hive.  
*n.* a group of many things, such as insects, fishes, etc., in the air or water or on the ground
23. 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

ANSWERS: 15. excited, 16. aligned, 17. extreme, 18. extraordinary, 19. efficiently, 20. reproduce, 21. enthusiasts, 22. swarm, 23. capture



24. Hounds \_\_\_\_\_ their prey by using their keen scent.  
*v.* to go after and try to catch wild animals to kill them for food, sport, or profit
25. Many famous \_\_\_\_\_ are within walking distance.  
*n.* the ability to see; anything that is seen
26. If both countries \_\_\_\_\_ to nuclear deterrence, the consequence could be mutual destruction.  
*n.* a place where many people go for rest, sport, or another stated purpose; (verb) to turn to or take a course of action, especially an extreme or undesirable one, to resolve a difficult circumstance
27. He \_\_\_\_\_ serious accounting irregularities that only people in the company's executive could know.  
*v.* to allow liquid or gas to get in or out from a hole or crack in a pipe or container
28. She explained the \_\_\_\_\_ surrounding the accident.  
*n.* the specific conditions or events that surround a particular situation or occurrence
29. Scientists are working on developing \_\_\_\_\_ travel to explore other planets in our solar system.  
*adj.* relating to or occurring between planets, particularly regarding space travel or communication
30. His father's death changed his whole \_\_\_\_\_ on life.  
*n.* a confident attitude toward something; a particular style of thinking about something
31. There is a lot of \_\_\_\_\_ nature and food in Hawaii.  
*adj.* inspiring fear, admiration, or respect; very good, nice, fun, etc.

ANSWERS: 24. hunt, 25. sights, 26. resort, 27. leaked, 28. circumstances, 29. interplanetary, 30. perspective, 31. awesome

32. We need to \_\_\_\_\_ the next steps for the project during our meeting tomorrow.
- v. to talk about or examine in detail through conversation or debate; to exchange ideas, opinions, or information on a particular topic
33. Little children tend to have \_\_\_\_\_ friends.
- adj. existing only in someone's mind
34. The organizational \_\_\_\_\_ of start-ups is often flat and straightforward.
- n. the way of construction of something and the arrangement of its parts, or a complex thing constructed of many parts
35. The rain and thunder are \_\_\_\_\_ today.
- adj. stupid or not sensible; very angry
36. This question has fascinated solar \_\_\_\_\_ for decades.
- n. a physicist who studies astronomy
37. This track starts with a \_\_\_\_\_ guitar riff.
- adj. pleasing and easy to remember; likely to attract attention
38. The company is set to \_\_\_\_\_ its new product line next month.
- v. to send or propel something into the air or space using a device such as a rocket, missile, or spacecraft; to make something available or on sale for the first time
39. Her research team made an important \_\_\_\_\_.
- n. the act or process of finding information, a place, or an object, or learning about something that was previously not known

ANSWERS: 32. discuss, 33. imaginary, 34. structure, 35. crazy, 36. astronomers, 37. catchy, 38. launch, 39. discovery

40. The \_\_\_\_\_ session of the Diet opened.

*adj.* not different, exceptional, or unexpected in any way, especially in quality, ability, size, or degree

41. 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

42. My home is easily \_\_\_\_\_ from the shore.

*adj.* capable of being seen; or open to easy view

43. 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

44. The town's population was in \_\_\_\_\_ with many people moving in and out.

*n.* the state of constantly changing or flowing; the rate of flow of energy or particles across a particular place

45. The sun was setting, and the sky \_\_\_\_\_ with beautiful colors.

*v.* to give out a steady, strong light

46. A rainbow is a natural \_\_\_\_\_.

*n.* something that exists and can be perceptible, especially one that is not fully understood

47. A suspension order from the court is effective \_\_\_\_\_.

*adv.* now or without delay

ANSWERS: 40. ordinary, 41. feat, 42. visible, 43. collision, 44. flux, 45. glowed, 46. phenomenon, 47. immediately

48. A \_\_\_\_\_ of economic advisers from the United States visited the country to help rebuild its economy.
- n.* a square or rectangular and flat piece of something that forms a distinct section or component of something; a small group of specialists who discuss particular topics or give their advice or opinion about something
49. He wants to \_\_\_\_\_ ownership of the abandoned property.
- v.* to assert that something is true; to demand or request something as one's own; to lay legal or moral right to something; (noun) a demand or assertion of a right or something that one believes to be true
50. We largely \_\_\_\_\_ the circuit board of cell phones because they contain a lot of valuable metals.
- v.* to sort and collect things to process them and produce valuable materials that can be used again
51. I need to \_\_\_\_\_ most of the essay with feedback from my teacher.
- v.* to write something such as a book or speech again in a different way, usually to improve it or add new information
52. She was a skilled \_\_\_\_\_ able to craft intricate pieces of furniture.
- n.* a person who makes or repairs something, especially a craftsman or artisan who works with wood or metal
53. He was studying \_\_\_\_\_ in an attempt to understand the origins of the universe.
- n.* the branch of physics concerned with the study of the properties and behavior of celestial objects and the physical processes that govern the behavior and evolution of the universe

ANSWERS: 48. panel, 49. claim, 50. recycle, 51. rewrite, 52. wright, 53. astrophysics

54. The unemployment rate in the first \_\_\_\_\_ was 2.3 percentage points higher than in the previous.  
*n.* one of four equal parts; a fourth part or portion
55. The security camera has \_\_\_\_\_ four intruders.  
*v.* to find or recognize something, especially something difficult to see, hear, etc.
56. The \_\_\_\_\_ in the road was so sharp that I had to slow down to navigate it safely.  
*n.* a bend or angle in a line or surface that deviates from a straight or flat path; a gradual or smooth change in direction or shape
57. The \_\_\_\_\_ moon Europa is believed to have an ocean beneath its icy surface.  
*adj.* relating to Jupiter or its characteristics
58. Will you \_\_\_\_\_ on the result of the fight?  
*v.* to take risky action in the hope of being successful; to play or game for money or other stakes
59. He grows vegetables in his \_\_\_\_\_.  
*n.* a whole space behind and belonging to a house
60. The findings of the experiment were both \_\_\_\_\_ and unexpected.  
*adj.* causing a lot of interest or excitement
61. RADAR is an \_\_\_\_\_ for radio detection and ranging.  
*n.* a word formed from the first letter of each word in a phrase, such as NASA (National Aeronautics and Space Administration) or AIDS (Acquired Immune Deficiency Syndrome)

ANSWERS: 54. quarter, 55. detected, 56. curve, 57. Jovian, 58. gamble, 59. backyard, 60. exciting, 61. acronym

62. She intends to \_\_\_\_\_ a political career.

- v.* to do something or attempt to attain something over time; to follow or seek someone or something, especially in trying to catch them

63. The \_\_\_\_\_ of the earth is divided into several layers including the crust, mantle, and core.

- n.* a round object or geometric shape that is three-dimensional and symmetrical around a central point; a particular aspect or scope of life or activity

64. The data \_\_\_\_\_ that the company's profits have steadily increased over the past quarter.

- v.* to show, point out, or make known something, often through a sign or a symbol; to suggest or imply something without stating it directly

65. 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

66. The mystery \_\_\_\_\_ as the detectives gathered more clues.

- v.* to open up or spread out something that is folded or rolled up; to reveal or disclose something that was previously hidden or unknown

67. 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

68. The satellite's \_\_\_\_\_ orbit made it appear to change its distance from earth.

- adj.* having the shape of an oval (= a closed plane curve); using a word or expression that is ambiguous or vague, especially to mislead or avoid committing oneself

ANSWERS: 62. pursue, 63. sphere, 64. indicates, 65. telescope, 66. unfolded, 67. develop, 68. elliptical

69. 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
70. Rainfall in the tropics is highly \_\_\_\_\_.
- adj.* likely to change or vary often; (noun) a symbol, like x or y, that is used in mathematical or logical expressions to represent a value that may be changed
71. The little girl couldn't resist the \_\_\_\_\_ purr as the cat curled up in her lap.
- n.* a type of domestic cat with a distinctive coat pattern of dark stripes or spots on a lighter background; (adjective) describing someone who is short and fat, plump, or round in shape
72. This party expresses \_\_\_\_\_ about the efficacy of the health insurance system.
- n.* an attitude of doubting or questioning that claims or statements are true or valuable or that something will happen; the disbelief in any claims of ultimate knowledge
73. The interests of the two countries \_\_\_\_\_.
- v.* to hit something violently when moving
74. He has the \_\_\_\_ to keep talking about this topic.
- n.* the ability to say or write things or ideas in a clever and humorous way
75. Roads \_\_\_\_\_ from the famous building in the center of the city.
- v.* to spread out or emit something, such as light or heat, in all directions
76. Marketing strategies are growing more \_\_\_\_\_.
- adj.* having a great deal of worldly experience and knowledge of people's behavior, culture, and fashion

ANSWERS: 69. distance, 70. variable, 71. tabby's, 72. skepticism, 73. collide, 74. wit, 75. radiate, 76. sophisticated

77. The search engine helps \_\_\_\_\_ information.

- v.* to put flour, sugar, etc. through a sieve (= a utensil consisting of a wire or plastic mesh in a frame) to remove lumps or large particles

78. 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

79. The \_\_\_\_\_ design of the building made it stand out in the city skyline.

- adj.* lacking symmetry or balance; not corresponding in size, shape, or degree; characterized by an uneven or unequal distribution or arrangement

80. Scientific knowledge will \_\_\_\_\_ significantly with the power of AI.

- v.* to go or move forward; to develop in a positive way

81. He accumulated wealth across a \_\_\_\_\_ spectrum of assets.

- adj.* very wide; general

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

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

83. My computer has been acting \_\_\_\_\_ recently.

- adj.* extraordinary, unexpected, or difficult to explain

84. Scientists are constantly searching for signs of \_\_\_\_\_ life in the universe.

- adj.* relating to or existing outside of the Earth's atmosphere or planetary boundaries; pertaining to beings or phenomena that originate from beyond the Earth

ANSWERS: 77. sift, 78. complexity, 79. asymmetric, 80. advance, 81. broad, 82. amazing, 83. weird, 84. extraterrestrial



85. The \_\_\_\_\_ jets gradually dominate the world's airlines.

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

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

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

87. The construction site was filled with \_\_\_\_\_ pieces of heavy machinery.

*adj.* (combination of "gigantic" and "enormous") extremely large

88. That astronomical \_\_\_\_\_ stands at the top of the mountain.

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

89. The storyline of the movie seemed \_\_\_\_\_ and needed more authenticity.

*adj.* created or arranged in an artificial, forced, or deliberate way; not natural or spontaneous

90. The systems we have developed has accepted as industry \_\_\_\_\_.

*n.* something that is regarded as usual, typical, or standard

91. In terms of \_\_\_\_\_ he was head and shoulders above his classmates.

*n.* the ability to learn, comprehend, or make judgments or conclusions based on reasons

92. She couldn't \_\_\_\_\_ whether to order the pizza or the pasta for dinner.

*v.* to make up someone's mind about something; to come to a conclusion or judgment after considering options

93. The manager tried to hear customers' voices \_\_\_\_\_.

*adv.* from the source; directly; (adjective) received directly from a source

ANSWERS: 85. giant, 86. proposal, 87. ginormous, 88. observatory, 89. contrived, 90. norms, 91. intelligence, 92. decide, 93. firsthand

94. The \_\_\_\_\_ mountains make the city difficult to be invaded.  
*adj.* that is near or around, or closely encircling something
95. The animal rights group worked to \_\_\_\_\_ the dolphins back into the wild.  
*v.* to set free or allow to escape from confinement
96. 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
97. The public is \_\_\_\_\_ that the prime minister has committed fraud.  
*adj.* completely certain about something; having a strong belief or conviction in a particular religion
98. There is nothing more valuable than \_\_\_\_\_ and freedom.  
*n.* freedom from another's or others' control or influence
99. 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
100. She \_\_\_\_\_ a quick picture of the beautiful sunset before it disappeared.  
*v.* to record on photographic film; to make a sudden, sharp sound; (noun) the act of catching an object with the hands
101. The \_\_\_\_\_ disappearance of the ship remains unsolved.  
*adj.* difficult to understand, explain, or identify; having an aura of secrecy, intrigue, or puzzlement

ANSWERS: 94. surrounding, 95. release, 96. depth, 97. convinced, 98. independence, 99. starlight, 100. snapped, 101. mysterious

102. The extinction rate of aquatic animals was \_\_\_\_\_.

*adj.* extremely harmful; causing physical or financial destruction

103. This operation requires both patience and \_\_\_\_\_.

*n.* the quality or condition of being exact and accurate

104. The police couldn't find a \_\_\_\_\_ to her whereabouts.

*n.* an object, a piece of evidence, or some information that helps someone to find the answer to a problem, question, or mystery

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

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

106. X-rays revealed a small tumor in his \_\_\_\_\_.

*n.* the organ inside the head that is responsible for one's movement, thought, memory, and feeling

107. The country's domestic coal consumption has been \_\_\_\_\_ declining for decades.

*adv.* without being interrupted or paused; repeatedly

108. 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

109. The sudden drop in the stock market was an \_\_\_\_\_ that puzzled many investors.

*n.* something or someone that deviates from what is expected or normal, often in a way that is difficult to explain or understand

ANSWERS: 102. catastrophic, 103. precision, 104. clue, 105. observation, 106. brain, 107. continuously, 108. invoked, 109. anomaly

110. The \_\_\_\_\_ runner fell to the ground and gasped.

*adj.* extremely tired

111. He was given \_\_\_\_\_ for his outstanding work in the field of medicine.

*n.* the action or process of recognizing or being recognized, especially by remembering; an agreement that something is true or legal

112. She's a \_\_\_\_\_ pet owner who ensures her dog gets enough exercise and a healthy diet.

*adj.* answerable or accountable for something within one's power, control, or management

113. 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

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

*adj.* worthy of attention because unusual or special

115. You are not \_\_\_\_\_ in your behavior.

*adj.* always behaving or happening in the same way, or having the same thoughts, standards, etc.

116. The budget reduction was an \_\_\_\_\_ feat for our nation.

*adj.* arousing admiration due to size, quality, or skill

117. He has \_\_\_\_\_ exercising because of a back injury sustained in an accident.

*n.* a condition or state that causes problems

ANSWERS: 110. exhausted, 111. recognition, 112. responsible, 113. mystery, 114. remarkable, 115. consistent, 116. impressive, 117. difficulty

118. The country experienced a \_\_\_\_\_ increase in population.

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

119. The \_\_\_\_\_ bright tail could be seen in the night sky.

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

120. The graphic designer will \_\_\_\_\_ the logo over the image in the brochure.

*v.* to place, layer, or overlay one thing on top of another, typically in such a way that both are still visible; to add or combine something additional into an existing structure, design, or system

121. The oil price continued their downward \_\_\_\_\_.

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

122. I don't \_\_\_\_\_ take a vacation in the middle of summer.

*adv.* usually; under normal conditions

123. 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

124. The \_\_\_ light made it difficult to read the book.

*adj.* poorly lit; not bright

125. Shakespeare's output of poetry was \_\_\_\_\_.

*adj.* extremely large or great

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

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

ANSWERS: 118. gradual, 119. comet's, 120. superimpose, 121. trend, 122. normally, 123. planet, 124. dim, 125. enormous, 126. physics

127. The hut stands on the \_\_\_\_\_ of a mountain.

*n.* a surface with one end or side that is higher than the other

128. 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

129. He made a frightful \_\_\_\_\_ in his room.

*n.* a state of confusion, dirtiness, or untidiness; (verb) to fail to do something or to make something dirty or untidy

130. The military incarcerated him for the \_\_\_\_\_ of the war.

*n.* the length of time something lasts or continues

131. The investigation \_\_\_\_\_ several government agencies and is expected to take several months.

*v.* to include or affect someone or something as a necessary part of something else

132. The road was \_\_\_\_\_ causing the car to bounce up and down as it drove.

*adj.* not level or flat; not balanced or symmetrical

133. I decided to seek counseling on the advice of my \_\_\_\_\_.

*n.* one of a group of a coworker, especially in a profession or a business

134. They used a special receiver to \_\_\_\_\_ police radio channels.

*v.* to observe, check, and track the progress or quality of something over a period of time

ANSWERS: 127. slope, 128. hypothesis, 129. mess, 130. duration, 131. involves, 132. uneven, 133. colleague, 134. monitor

135. He displayed the \_\_\_\_\_ symptoms of depression.

*adj.* judged or deserving to be regarded as one of the best or most important of its kind over a period of time; of a well-known type

ANSWERS: 135. classic