

# Englist.me



## Vocabulary Builder Reference from...

*Jennifer Heldmann: SpaceX's supersized Starship rocket -- and the future of galactic exploration | TED Talk*

[https://www.ted.com/talks/jennifer\\_heldmann\\_spacex\\_s\\_supersized\\_starship\\_rocket\\_and\\_the\\_future\\_of\\_galactic\\_exploration](https://www.ted.com/talks/jennifer_heldmann_spacex_s_supersized_starship_rocket_and_the_future_of_galactic_exploration)

### All Words

#### IMPORTANT

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## Session 1: Word List

### explore

*v.* to travel to or penetrate an area or a country to learn about it; to thoroughly examine a subject or a possibility to learn more about it

*synonym*: analyze, delve into, examine

(1) **explore** the world, (2) **explore** our options

The management must **explore** strategies to increase office security.

### exploration

*n.* the activity of searching and finding out about something through a place

*synonym*: inquiry, quest, investigation

(1) future of space **exploration**, (2) an Arctic **exploration**

He called for a careful **exploration** of the consequences.

### supersized

*adj.* enlarged or increased beyond the usual or ordinary size; larger than normal; often used to describe food or drink excessively large portions

*synonym*: gigantic, colossal, oversized

(1) **supersized** sandwich, (2) **supersized** soda

I ordered a **supersized** meal at the fast food restaurant.

## spacecraft

*n.* a vehicle designed to travel through space, typically carrying astronauts or scientific instruments

*synonym*: spaceship, satellite, probe

(1) **spacecraft** launch, (2) alien **spacecraft**

The human-crewed **spacecraft** successfully landed on the moon, fulfilling its mission.

## starship

*n.* a spacecraft designed for long-distance travel between stars; a fictional spacecraft used in science fiction

*synonym*: interstellar vessel, spaceship, galactic craft

(1) **starship** captain, (2) futuristic **starship** design

The **starship** crew encountered an alien race they had never seen before.

## 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.

## mass

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

*synonym*: abundance, crowd, mob

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

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

## payload

*n.* the amount of cargo or goods that a vehicle or equipment is designed to carry or transport; in computing, the amount of data that can be transmitted over a communication system

*synonym*: cargo, freight, shipment

(1) **payload** capacity, (2) satellite **payload**

The **payload** for the rocket launch included several satellites

and scientific instruments.

## booster

*n.* something or someone that supports, promotes, or enhances; a device or substance that improves the performance or effectiveness of something

*synonym* : promoter, supporter, advocate

(1) metabolism **booster**, (2) morale **booster**

The energy drink is marketed as a **booster** to help athletes perform better.

## reuse

*v.* to use something again or more than once

*synonym* : reprocess, recycle, rehash

(1) **reuse** the materials, (2) **reuse** existing knowledge

The supermarket encourages shoppers to **reuse** plastic bags.

## transport

*n.* a system for moving people or products from one location to another using automobiles, roads, and so on

*synonym* : shipment, transit, conveyance

(1) **transport** facilities, (2) access to public **transport**

Enhanced rail **transportation** is crucial for our business.

## flee

*v.* to leave by running away, especially out of fear or danger

*synonym* : exit, escape, run away

(1) **flee** their homes, (2) **flee** abroad

It is a basic instinct to **flee** from a dangerous situation.

## historic

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

*synonym* : memorable, momentous, historical

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

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

## rocket

*n.* a large tube-shaped object that moves very fast by a stream of gases let out behind it, used for space travel or as a weapon

*synonym* : projectile, missile

(1) **rocket** attack against the enemy, (2) **rocket** fuel  
The **rocket** launch platform is visible from this hill.

## ridiculous

*adj.* very silly or unreasonable and deserving to be laughed at

*synonym* : absurd, fatuous, foolish

(1) a **ridiculous** amount of money, (2) a **ridiculous** suggestion

Everyone regarded the theory he advocated as **ridiculous** but was later proven correct.

## 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.

## rover

*n.* a vehicle designed to travel over rough terrain, especially on the surface of a planet or moon

*synonym* : vehicle, robot, explorer

(1) **rover** mission, (2) lunar **rover**

The **rover** on Mars is gathering data on the planet's surface and sending it back to Earth.

## mar

*v.* to damage or spoil the appearance or surface of something

*synonym* : damage, deface, disfigure

(1) **mar** a proper relationship, (2) **mar** the reputation

The scratches on the car **marred** its otherwise perfect appearance.

## 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.

## **pound**

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

(1) three-fourths of a **pound**, (2) thousands of **pounds**

The car's front bumper cost fifteen hundred **pounds**.

## **aim**

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

*synonym*: aspire, direct, target

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

We **aim** for an overseas expansion.

## **incredible**

*adj.* unbelievable; enormous

*synonym*: unbelievable, fantastical, inconceivable

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

Her response revealed **incredible** idiocy.

## **commerce**

*n.* the activity of buying and selling things, especially on a large scale

*synonym*: trade, transaction, dealings

(1) interstate **commerce**, (2) the local chamber of **commerce**

This company has invested heavily in Internet **commerce**.

## **mighty**

*adj.* very large, powerful, or strong

*synonym*: potent, powerful, robust

(1) **mighty** works, (2) struck a **mighty** blow

Only the **mighty** God has the power to brighten this dark land.

## **astronaut**

*n.* a person trained by a space agency to travel outside the Earth's atmosphere

*synonym*: spaceman, cosmonaut

(1) **astronaut** mission, (2) **astronaut** in training

The shuttle **astronaut** trained for months before embarking on the space mission.

## disclose

*v.* to make something, such as secret or new information, known publicly

*synonym*: declare, reveal, uncover

(1) **disclose** a secret, (2) **disclose** a vulnerability

The curtain rose to **disclose** a fantastic set.

## incredibly

*adv.* in a way that is very difficult to believe; exceedingly or extremely

*synonym*: enormously, exceptionally, extraordinarily

(1) **incredibly** cheerful character, (2) get **incredibly** insecure

Several cities are experiencing **incredibly** high unemployment rates.

## unfair

*adj.* not giving equal treatment or opportunities to people involved; marked by injustice, partiality, or deception

*synonym*: wrongful, biased, dishonest

(1) **unfair** employment practices, (2) have an **unfair** advantage

In a democracy, it is necessary to monitor the judiciary to see if it is making **unfair** decisions.

## emphasize

*v.* to give or show particular importance to something

*synonym*: highlight, accentuate, stress

(1) **emphasize** her words, (2) **emphasize** a direct relationship

Use italics or capitals to **emphasize** a word in a piece of writing.

## increment

*n.* a regular increase in the amount of something, such as money; a process of becoming larger, longer, or more important

*synonym*: increase, expansion, addendum

(1) steady **incremental** growth, (2) small **increments**

The bid **increment** for this auction is \$100.

## 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.

## transform

*v.* to change in outward structure or looks;  
*synonym*: alter, convert, change

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

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

## paradigm

*n.* a standard or typical example of something; a pattern or model

*synonym*: example, standard, epitome

(1) major **paradigm** shift, (2) cultural **paradigm**

He postulated a completely different **paradigm** to explain all these phenomena.

## boutique

*n.* a small, stylish shop, often specializing in unique or specialized items

*synonym*: shop, store, emporium

(1) designer **boutique**, (2) jewelry **boutique**

I love shopping at the **boutique** for unique clothing pieces.

## large-scale

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

*synonym*: big, massive, grand

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

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

## operate

*v.* to work in a particular way; to supervise something  
*synonym*: work, use, employ

(1) **operate** 24 hours a day, (2) manually **operate** a

machine

This machine is too difficult to **operate** for me.

## largely

*adv.* virtually entirely; to a large degree

*synonym*: mainly, chiefly, broadly

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

Nevada is **largely** a desert state.

## tradition

*n.* a belief, custom, or way of doing something that has been passed down from generation to generation within a group or society

*synonym*: custom, practice, ritual

(1) a **tradition** of a culture, (2) against **tradition**

It is a **tradition** in many families to have a big Thanksgiving dinner with all their relatives.

## severe

*adj.* extremely serious or bad in feeling, manner, or strict and harsh; extremely strong or vigorous

*synonym*: harsh, relentless, powerful

(1) **severe** heat, (2) a **severe** case of pneumonia

The senator received **severe** criticism from his opponent.

## restraint

*n.* a measure taken to prevent someone or something from acting freely or excessively; self-control or moderation; a physical device used to restrict or limit movement

*synonym*: constraint, limitation, control

(1) physical **restraint**, (2) self- **restraint**

It's important to practice **restraint** when it comes to spending money.

## aerospace

*adj.* pertaining to the design, engineering, science, and technology related to the Earth's atmosphere and the exploration or use of space beyond it

*synonym*: aeronautical, space, aviation

(1) **aerospace** engineering, (2) **aerospace** and defense industry



NASA is an **aerospace** organization that explores space and improves aviation technology.

## industrious

*adj.* hardworking, diligent, and persistent in effort

*synonym* : diligent, hardworking, assiduous

(1) **industrious** worker, (2) **industrious** student

He was known to be very **industrious** and would often work late into the night.

## conversation

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

*synonym* : chat, discussion, dialogue

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

Your **conversation** reflects your thoughts.

## regard

*v.* to think about or consider somebody or something in a specified way

*synonym* : consider, see, reckon

(1) **regard** him as an enemy, (2) **regard** the situation as unfortunate

Frugality and industry are still **regarded** as virtues.

## architecture

*n.* the art and science of designing and constructing buildings

*synonym* : design, structure, layout

(1) **architecture** design, (2) classic **architecture**

The city is known for its impressive **architecture** and beautiful old buildings.

## metric

*adj.* using or relating to the meter as a unit of length; a system of related measures that facilitates the quantification of some particular characteristic

*synonym* : metrical, measured

(1) **metric** units, (2) key performance **metrics**

In the **metric** system, measurements are made in meters and liters.

## orbit

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

*synonym* : path, course, trajectory

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

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

## 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.

## spaceflight

*n.* the act of traveling into space, either by means of crewed or uncrewed spacecraft; the technology and infrastructure required to support space travel

*synonym* : space travel, orbital flight

(1) private **spaceflight**, (2) **spaceflight** industry

**Spaceflight** technology has advanced significantly since the first man landed on the moon in 1969.

## miniature

*adj.* being on a very small scale

*synonym* : mini, scaled-down, pint-sized

(1) **miniature** camera, (2) **miniature** version

He did complicated pen-and-ink drawings like medieval **miniatures**.

## component

*n.* one of several parts that combines with others to form something bigger

*synonym* : element, part, factor

(1) key **component**, (2) spare **components** for cars

The researchers try to discover a common **component** in all types of successful organizations.

## instrument

*n.* an object used to make musical sounds, such as a piano, guitar, or drum; a tool or device used for a specific activity, particularly in specialist or scientific work

*synonym* : apparatus, tool, device

(1) musical **instruments**, (2) surgical **instruments**

This electronic **instrument** is required to undergo periodic inspections to ensure precision.

## lightweight

*adj.* composed of thinner and lighter material than average; not severe or impressive

(1) **lightweight** aircraft, (2) **lightweight** structure

Powder coating protects the **lightweight** aluminum alloy components.

## constraint

*n.* a limit or restriction on something, such as an action, behavior, or thought

*synonym*: limitation, restriction, bound

(1) **constraint** on business activity, (2) strict time **constraints**

The budget **constraint** forced them to make difficult decisions.

## opposition

*n.* the act of disagreeing or resisting; the state of strong disagreement

*synonym*: resistance, hostility, antagonism

(1) **opposition** campaign, (2) meet with **opposition**

The **opposition** party strongly disagreed with the government's proposed legislation.

## convenient

*adj.* useful, helpful, or quick to do

*synonym*: timely, fortunate, suitable

(1) **convenient** way, (2) **convenient** location

The airport offers five **convenient** access routes.

## refill

*v.* to replenish a container with a substance that it previously held; to top up a supply or amount of something

*synonym*: replenish, top up, recharge

(1) **refill** with oil, (2) **refill** ink cartridge

Please **refill** my water glass when you have a chance.

## propellant

*n.* a substance that provides the force to propel (= to cause something to move forwards) something, such as a rocket or spray can

*synonym* : fuel, driving force, impelling agent

(1) **propellant** mixture, (2) **propellant** tank

The **propellant** in the rocket provided the force needed to reach outer space.

## methane

*n.* a chemical compound with the chemical formula CH<sub>4</sub> with no smell or color, often used as a fuel

(1) atmospheric **methane**, (2) reduce **methane** emissions

The ignition of **methane** gas in the plant killed five employees.

## oxygen

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

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

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

## dock

*n.* a structure or platform that extends from the shoreline into a body of water, used for loading and unloading ships or boats; an enclosed area of water used as a basin for shipping or pleasure boats; a place where a ship can be repaired or maintained

*synonym* : harbor, pier, quay

(1) fishing **dock**, (2) loading **dock**

The ship pulled to the **dock**, and we disembarked to start our adventure.

## essentially

*adv.* relating to the essential features or concepts of anything

*synonym* : fundamentally, basically, virtually

(1) **essentially** correct, (2) become **essentially** same

**Essentially**, a society is an organism.

## gravity

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

manner that is solemn

*synonym*: heaviness, attraction, weight

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

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

## **fuel**

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

*synonym*: energy, power, gas

(1) biomass **fuel**, (2) smokeless **fuel**

The **fuel** scarcity most severely impacted the manufacturing sector

## **reset**

*v.* to set again or differently; to return to a previous state or condition

*synonym*: restart, reinitialize, set anew

(1) **reset** password, (2) **reset** my brain

She **reset** the computer to fix the problem.

## **equation**

*n.* the act of regarding as equal; (mathematics) a statement that expresses the equality of two expressions by connecting them with the equals sign

(1) the **equation** of poverty with ignorance, (2) a chemical **equation**

In this class, you will learn how to solve quadratic **equations**.

## **fantastic**

*adj.* extremely good; excellent

*synonym*: incredible, unbelievable, marvelous

(1) a **fantastic** dress, (2) absolutely **fantastic** event

The new amusement park ride was **fantastic**, with twists, turns, and drops that left riders screaming with excitement.

## **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.

## possibility

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

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

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

## subsurface

*adj.* situated or located beneath the surface of something; existing or occurring within the deeper layers of a material or object, often referring to areas below the Earth's surface

*synonym* : beneath the surface, underground, subterranean

(1) **subsurface** mining, (2) **subsurface** oil reserves

The **subsurface** layers of the ocean are still largely unexplored.

## saltiness

*n.* the quality or state of being salty

(1) the taste of **saltiness**, (2) enhance the **saltiness**

She tasted the dish and detected a slight **saltiness**.

## liquid

*n.* a substance, such as water or oil that flows freely and is neither a solid nor a gas

*synonym* : fluid

(1) colorless **liquid**, (2) hazardous **liquid**

The sponge takes up the **liquid** well.

## strategy

*n.* a detailed plan of action designed to achieve a long-term or overall goal.

*synonym* : approach, procedure, scenario

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

Our plan includes a comprehensive marketing **strategy**.

## 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.

## flyby

*n.* a close approach to a celestial body, especially a planet, by a spacecraft without landing or entering orbit

*synonym*: passby, flyover, whizz by

(1) **flyby** mission, (2) a five-plane **flyby**

The spacecraft will conduct a **flyby** of the moon to gather data.

## remotely

*adv.* at a distance; not directly or easily accessible

*synonym*: distantly, remotely, slightly

(1) **remotely** operate, (2) control **remotely**

The company can **remotely** access its employees' computers for troubleshooting purposes.

## envision

*v.* to imagine or expect what a situation will be like in the future

*synonym*: anticipate, foresee, picture

(1) **envision** the future, (2) **envision** the project's success

We cannot **envision** her as President.

## submarine

*n.* a type of underwater vehicle or vessel that can operate beneath the surface of the water; (adjective) beneath the surface of the sea

*synonym*: sub, underwater vessel, sea-craft

(1) a **submarine** volcano, (2) **submarine** cable

The military **submarine** disappeared without a trace.

## submersible

*adj.* able to be operated or used underwater; capable of being submerged in water or other liquid

*synonym*: submarine, underwater, submerged

(1) **submersible** pump, (2) **submersible** cable

The **submersible** vehicle can explore the depths of the ocean.

## geyser

*n.* a natural hot spring that periodically ejects a column of boiling water and steam into the air; a device that produces a similar effect for decorative or practical purposes

*synonym* : hot spring, fumarole

(1) erupting **geyser**, (2) Yellowstone **geyser**

The **geyser's** hot water generates electricity for nearby towns and cities.

## polar

*adj.* relating to, or close to, the North or South Pole; characterized by complete opposites

*synonym* : opposing, contrary, contrasting

(1) **polar** bears, (2) **polar** regions

**Polar** animals are graceful and efficient swimmers.

## survive

*v.* to live or exist despite a dangerous event or period

*synonym* : endure, persist, stay

(1) **survive** a blizzard, (2) **survive** a plane crash

These birds can only **survive** in temperate climates.

## astronomy

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

*synonym* : astrophysics, stargazing, cosmology

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

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

## 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.



## 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.

## constellation

*n.* a group of stars that form a recognizable pattern and have a name; a group of related or similar ideas, things, or people

*synonym*: asterism, array, pattern

(1) the stars of the Scorpion **constellation**, (2) northern **constellation**

Navigators still use the Little Bear **constellation** at sea.

## nebula

*n.* a cloud of gas and dust in space, visible in the night sky, typically as a diffuse light source

*synonym*: cloud, mist, stardust

(1) a spiral **nebula**, (2) emission **nebula**

The galactic **nebula** was a beautiful sight through the telescope, with its vibrant colors and swirling clouds.

## universe

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

*synonym*: cosmos, macrocosm

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

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

## diameter

*n.* the length of a straight line passing through the center of a circle and connecting two points on the circumference

*synonym*: diam, width

(1) **diameter** of an oval, (2) a particle **diameter**

Draw a circle five centimeters in **diameter**.

## bucket

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

*synonym*: pail, tub, can

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

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

## photon

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

*synonym*: particle, quantum, light

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

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

## faint

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

*synonym*: slight, vague, soft

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

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

## finite

*adj.* having a limit or restriction of size, time, etc.

*synonym*: delimited, defined, limited

(1) **finite** resources, (2) **finite** decimal

Human beings have a **finite** lifespan, so we yearn for the idea of immortality.

## eyeball

*n.* the round part of the eye of a vertebrate that is usually inside the head and, therefore, cannot be seen

(1) **eyeball** motion, (2) redness of the **eyeball**

Increased **eyeball** pressure leads to the development of glaucoma.

## exoplanet

*n.* a planet that orbits a star outside of the solar system

(1) the closest **exoplanet** to Earth, (2) **exoplanet** mission

The **exoplanet** Kepler-186f is located 500 light-years from Earth and is believed to be habitable.

## 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.

## cosmic

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

*synonym* : astronomical, celestial, outer-space

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

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

## dawn

*n.* the time of day when the sun's light starts to show in the sky

*synonym* : daybreak, sunrise, advent

(1) the wan light of **dawn**, (2) crack of **dawn**

Missile assaults on the capital continued around **dawn**.

## fundamental

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

*synonym* : basic, essential, entire

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

Human behavior has **fundamental** characteristics.

## origami

*n.* the Japanese art or practice of folding paper into decorative shapes and figures

*synonym* : paper folding, paper art

(1) **origami** paper, (2) **origami** art

I love making **origami** cranes during my free time.

## assemble

*v.* to collect in one place as a single group

*synonym* : gather, congregate, collect

(1) **assemble** your colleagues, (2) **assemble** a jigsaw puzzle

The president began to **assemble** an army.

## deploy

*v.* to move troops or weapons into a position or military action; to bring into something in an effective way

*synonym* : set up, expand, launch

(1) **deploy** troops for battle, (2) **deploy** safety measures

This country **deployed** its weapons in the east region.

## cusp

*n.* a pointed end, especially the pointed end of a crescent moon or the part of a curve that is most curved

*synonym* : point, apex, tip

(1) **cusp** of change, (2) a single **cusp**

The project was on the **cusp** of success and needed a little more funding.

## uncrewed

*adj.* operated or functioning without the presence or support of a crew or human operator; unmanned

*synonym* : unmanned, autonomous, robotic

(1) **uncrewed** vehicle, (2) **uncrewed** aerial drone

An **uncrewed** spacecraft was sent to Mars to explore the red planet.

## sustained

*adj.* lasting for a long time or continuing for a long time without becoming weaker or less intense

*synonym* : prolonged, extended, continual

(1) **sustained** economic growth, (2) **sustained** release medication

The company experienced **sustained** growth over the past decade.

## presence

*n.* the fact or state that someone or something exists, occurs, or is present

*synonym* : existence, actuality, fact

(1) the evidence of the **presence**, (2) his majestic **presence**

The path to a solid online **presence** necessitates a high technical ability.

## utilization

*n.* the act or process of using something effectively or productively; the extent to which something is used

*synonym*: use, application, implementation

(1) resource **utilization**, (2) technology **utilization**

The **utilization** of renewable energy sources is crucial for the future of our planet.

## sustain

*v.* to supply enough of what somebody or something needs to survive or exist; to accept as valid

*synonym*: maintain, nurture, support

(1) **sustain** a good relationship with him, (2) **sustain** a wellness lifestyle

She struggled to **sustain** the children's reading habits.

## ferry

*n.* a boat or ship used to transport people, vehicles, or goods across a body of water, especially on a regular schedule

*synonym*: ferryboat, water taxi, barge

(1) **ferry** service, (2) **ferry** terminal

The **ferry** across the river offers a convenient transportation option for commuters.

## survival

*n.* the state of continuing to exist or live, frequently in the face of difficulty or danger

*synonym*: endurance, continuity

(1) **survival** ability, (2) **survival** food

He evaluated his chances for **survival** rather pessimistically.

## ancestor

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

*synonym*: forebear, forefather, progenitor

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

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

## millennium

*n.* a span of 1000 years, or the 1000th anniversary (plural: millennia)

(1) past **millennium**, (2) **millennium** bottle of wine

Our world is in the third **millennium**.

## generate

*v.* to produce or create something; to make offspring by reproduction

*synonym* : create, yield, produce

(1) **generate** more electricity, (2) **generate** \$100 a month  
The economic stimulation program would **generate** a lot of new jobs.

## cushy

*adj.* comfortable, easy, and lacking hardship or effort; undemanding; luxurious

*synonym* : easy, soft, comfortable

(1) **cushy** seat, (2) **cushy** lifestyle

Her job was **cushy** and comfortable, with little pressure or stress.

## unforgiving

*adj.* not willing to forgive or show mercy; not able to be repaired or restored

*synonym* : relentless, uncompromising, merciless

(1) **unforgiving** blow, (2) **unforgiving** terrain

The **unforgiving** sun scorched the desert, making it uninhabitable.

## glacier

*n.* a slowly moving mass of ice formed from snow on mountains or near the North Pole or the South Pole

*synonym* : iceberg, ice floe

(1) **glacier** retreat, (2) **glaciers** move tardily

The **glaciers** of the ice age have shaped Fjord.

## traditionally

*adv.* in accordance with tradition; typically or commonly done in a particular way

*synonym* : conventionally, commonly, generally

(1) **traditionally** accepted concept, (2) **traditionally** sung at a banquet

**Traditionally**, the ceremony was held outdoors.

## heavy-duty

*adj.* designed to withstand or endure rough, harsh, or intense use; made for heavy or strenuous work

*synonym* : tough, sturdy, durable

(1) **heavy-duty** equipment, (2) **heavy-duty** cleaning  
The **heavy-duty** truck towed the broken-down car to the garage.

## construct

v. to build or create something; to assemble or combine different parts to form something whole

*synonym*: build, assemble, create

(1) **construct** a 3D image, (2) **construct** a dam

He **constructs** hypotheses that no mathematician has ever imagined before.

## machinery

n. a group of large machines or the components of a machine that make it work; social institution functions or structure for doing something

*synonym*: apparatus, appliance, equipment

(1) heavy **machinery**, (2) inactive **machinery**

The **machinery** of audit formally issued a business improvement order.

## infrastructure

n. the basic systems, services, or features that are necessary for an organization or country, such as transport and power supplies

*synonym*: foundation, framework

(1) IT **infrastructure**, (2) **infrastructure** cost

Aging societies tend to require huge costs for **infrastructure** maintenance.

## dump

v. to deposit or dispose of something, such as trash, waste, etc., carelessly or hurriedly

*synonym*: throw away, dispose

(1) **dump** the gravel on the road, (2) **dump** hazardous waste

The company **dumped** him after several years of service.

## backhoe

n. a large mechanical digging machine with a shovel-like scoop on the front and a digging arm on the back, used for excavating and moving large amounts of soil and

## debris

*synonym*: excavator, digger, shovel

(1) **backhoe** operator, (2) **backhoe** attachment

The construction crew used a **backhoe** to dig the foundation for the new building.

## drill

*n.* a tool or machine used for making round holes or driving fasteners; a training or practice

*synonym*: exercise, routine, training

(1) the **drill** hit the well, (2) fire **drill**

Several military **drill** programs have become popular methods of exercise.

## rig

*v.* to prepare or set up something in a certain way, typically in a carefully planned or fraudulent manner; to equip with sails or masts

*synonym*: set up, prepare, arrange

(1) **rig** an election, (2) **rig** a ship with new sails

He **rigged** the game so he could win the prize.

## indigenous

*adj.* someone or something that is native to or occurring naturally in a particular place

*synonym*: domestic, endemic, primitive

(1) **indigenous** crop, (2) **indigenous** peoples

The **indigenous** plants need to be pollinated by local insects.

## Martian

*adj.* of or relating to Mars or its imaginary inhabitants

(1) **Martian** geography, (2) **Martian** surface

There is very little water in the **Martian** atmosphere.

## priority

*n.* something that is more important than other things and should be dealt with first

*synonym*: importance, precedence, primacy

(1) **priority** call, (2) **priority** seating for elderly

Her **priority** is to be a mother.



## diligence

*n.* careful and persistent effort or work; conscientiousness in performing one's duties or responsibilities

*synonym*: assiduity, industry, perseverance

(1) **diligence** in work, (2) **diligence** in time management

The doctor's **diligence** in monitoring patients' progress contributed to their speedy recovery.

## robotic

*adj.* of or relating to mechanical robots; (robotics) the interdisciplinary branch of computer science and engineering with the practical use of robots

*synonym*: automated, mechanical, laborsaving

(1) **robotic** arm, (2) **robotic** guide operation

The surgeon removed the tumor using **robotic** video assistance.

## precursor

*n.* a person or thing that comes before another of the same kind and that contributes to or influences its growth

*synonym*: antecedent, forerunner, herald

(1) **precursor** cell, (2) **precursor** to serotonin

Sulfur dioxide and nitrogen oxides are the primary **precursors** of acid rain.

## thrive

*v.* to grow vigorously; to make steady progress

*synonym*: bloom, flourish, prosper

(1) **thrive** in a society, (2) **thrive** on pressure

Without investment, a business cannot **thrive**.

## opportune

*adj.* suitable or happening at a time that is suitable or convenient for a particular purpose

*synonym*: suitable, timely, practical

(1) **opportune** occasion, (2) an **opportune** remark

The phone rang at the most **opportune** time.

## afford

*v.* to have enough money or time to be able to buy or do something

(1) **afford** to buy a new car, (2) **afford** a high travel cost

He cannot **afford** a holiday.

## unprecedented

*adj.* never having been seen, done, or known before

*synonym* : novel, outstanding, unparalleled

(1) **unprecedented** boom, (2) **unprecedented** business opportunity

**Unprecedented** amounts of heckling and slogan-shouting took place throughout the event.

## seize

*v.* to catch or take hold of someone or something suddenly and forcibly; to capture the attention or imagination of something

*synonym* : grab, grasp, capture

(1) **seize** a person's property, (2) **seize** the day

He has the superpower to **seize** a business opportunity.

## expand

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

*synonym* : extend, grow, boost

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

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

## cosmos

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

*synonym* : universe, macrocosm

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

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

## Session 2: Spelling

1. op\_\_\_\_\_e 24 hours a day *v.* to work in a particular way; to supervise something
2. pr\_\_\_\_\_or to serotonin *n.* a person or thing that comes before another of the same kind and that contributes to or influences its growth
3. ro\_\_\_\_\_c arm *adj.* of or relating to mechanical robots; (robotics) the interdisciplinary branch of computer science and engineering with the practical use of robots
4. arc\_\_\_\_\_ure design *n.* the art and science of designing and constructing buildings
5. northern con\_\_\_\_\_ion *n.* a group of stars that form a recognizable pattern and have a name; a group of related or similar ideas, things, or people
6. the stars of the Scorpion con\_\_\_\_\_ion *n.* a group of stars that form a recognizable pattern and have a name; a group of related or similar ideas, things, or people
7. la\_\_\_\_\_y mitigate the issue *adv.* virtually entirely; to a large degree
8. r\_g a ship with new sails *v.* to prepare or set up something in a certain way, typically in a carefully planned or fraudulent manner; to equip with sails or masts
9. bu\_\_\_t of golf balls *n.* an open container with a handle made of metal or plastic, often used for carrying liquids

ANSWERS: 1. operate, 2. precursor, 3. robotic, 4. architecture, 5. constellation, 6. constellation, 7. largely, 8. rig, 9. bucket

10. the wan light of d\_\_n  
*n.* the time of day when the sun's light starts to show in the sky
11. inactive ma\_\_\_\_\_ry  
*n.* a group of large machines or the components of a machine that make it work; social institution functions or structure for doing something
12. unf\_\_\_\_\_ng blow  
*adj.* not willing to forgive or show mercy; not able to be repaired or restored
13. ind\_\_\_\_\_us worker  
*adj.* hardworking, diligent, and persistent in effort
14. su\_\_\_\_\_ne cable  
*n.* a type of underwater vehicle or vessel that can operate beneath the surface of the water; (adjective) beneath the surface of the sea
15. the dr\_\_l hit the well  
*n.* a tool or machine used for making round holes or driving fasteners; a training or practice
16. erupting ge\_\_\_r  
*n.* a natural hot spring that periodically ejects a column of boiling water and steam into the air; a device that produces a similar effect for decorative or practical purposes
17. fa\_\_t aroma of roses  
*adj.* not strong, clear, or vigorous; slight or weak
18. ex\_\_\_d a lineup  
*v.* to increase or to make something greater in size, number, or importance
19. ro\_\_\_\_\_c guide operation  
*adj.* of or relating to mechanical robots; (robotics) the interdisciplinary branch of computer science and engineering with the practical use of robots

ANSWERS: 10. dawn, 11. machinery, 12. unforgiving, 13. industrious, 14. submarine, 15. drill, 16. geyser, 17. faint, 18. expand, 19. robotic

20. am\_\_\_\_g advances *adj.* extremely surprising, especially in a way that you like or admire
21. bu\_\_\_\_t list *n.* an open container with a handle made of metal or plastic, often used for carrying liquids
22. c\_\_p of change *n.* a pointed end, especially the pointed end of a crescent moon or the part of a curve that is most curved
23. re\_\_\_\_l with oil *v.* to replenish a container with a substance that it previously held; to top up a supply or amount of something
24. re\_\_t password *v.* to set again or differently; to return to a previous state or condition
25. th\_\_\_\_e on pressure *v.* to grow vigorously; to make steady progress
26. colorless li\_\_\_\_d *n.* a substance, such as water or oil that flows freely and is neither a solid nor a gas
27. Jo\_\_\_\_n satellites *adj.* relating to Jupiter or its characteristics
28. become ess\_\_\_\_ly same *adv.* relating to the essential features or concepts of anything
29. ex\_\_\_\_e our options *v.* to travel to or penetrate an area or a country to learn about it; to thoroughly examine a subject or a possibility to learn more about it
30. alien spa\_\_\_\_ft *n.* a vehicle designed to travel through space, typically carrying astronauts or scientific instruments

ANSWERS: 20. amazing, 21. bucket, 22. cusp, 23. refill, 24. reset, 25. thrive, 26. liquid, 27. Jovian, 28. essentially, 29. explore, 30. spacecraft

31. ad\_\_\_\_e the technology *v.* to go or move forward; to develop in a positive way
32. fun\_\_\_\_\_al rights *adj.* forming an essential base or core from which everything else develops or is affected
33. surgical ins\_\_\_\_\_nts *n.* an object used to make musical sounds, such as a piano, guitar, or drum; a tool or device used for a specific activity, particularly in specialist or scientific work
34. his majestic pr\_\_\_\_\_ce *n.* the fact or state that someone or something exists, occurs, or is present
35. achieve the hi\_\_\_\_\_ic feat *adj.* famous or significant in history, or potentially so
36. fa\_\_t memory *adj.* not strong, clear, or vigorous; slight or weak
37. heavy ma\_\_\_\_\_ry *n.* a group of large machines or the components of a machine that make it work; social institution functions or structure for doing something
38. di\_\_\_\_\_ce in work *n.* careful and persistent effort or work; conscientiousness in performing one's duties or responsibilities
39. co\_\_\_\_\_ct a dam *v.* to build or create something; to assemble or combine different parts to form something whole
40. m\_r the reputation *v.* to damage or spoil the appearance or surface of something
41. cu\_\_y seat *adj.* comfortable, easy, and lacking hardship or effort; undemanding; luxurious

ANSWERS: 31. advance, 32. fundamental, 33. instrument, 34. presence, 35. historic, 36. faint, 37. machinery, 38. diligence, 39. construct, 40. mar, 41. cushy

42. manually op\_\_\_\_\_e a machine      *v.* to work in a particular way; to supervise something
43. the per\_\_\_\_\_ve of the battle      *n.* a confident attitude toward something; a particular style of thinking about something
44. expansion of the un\_\_\_\_\_se      *n.* everything that exists, especially all physical matter, including planets, stars, galaxies, and all other forms of matter and energy
45. pr\_\_\_\_\_ty seating for elderly      *n.* something that is more important than other things and should be dealt with first
46. a fa\_\_\_\_\_ic dress      *adj.* extremely good; excellent
47. di\_\_\_\_\_se a secret      *v.* to make something, such as secret or new information, known publicly
48. 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
49. mi\_\_\_\_\_y works      *adj.* very large, powerful, or strong
50. su\_\_\_\_\_e a plane crash      *v.* to live or exist despite a dangerous event or period
51. re\_\_\_\_d him as an enemy      *v.* to think about or consider somebody or something in a specified way
52. a binocular te\_\_\_\_\_pe      *n.* a device like a tube in shape containing lenses used to magnify and observe distant objects

ANSWERS: 42. operate, 43. perspective, 44. universe, 45. priority, 46. fantastic, 47. disclose, 48. astrophysics, 49. mighty, 50. survive, 51. regard, 52. telescope

53. ae\_\_\_\_\_ce engineering *adj.* pertaining to the design, engineering, science, and technology related to the Earth's atmosphere and the exploration or use of space beyond it
54. inc\_\_\_\_\_ly cheerful character *adv.* in a way that is very difficult to believe; exceedingly or extremely
55. af\_\_\_d a high travel cost *v.* to have enough money or time to be able to buy or do something
56. smokeless f\_\_l *n.* a substance that is typically burned to generate heat or energy
57. a five-plane fl\_\_y *n.* a close approach to a celestial body, especially a planet, by a spacecraft without landing or entering orbit
58. st\_\_\_\_\_ip captain *n.* a spacecraft designed for long-distance travel between stars; a fictional spacecraft used in science fiction
59. resource uti\_\_\_\_\_on *n.* the act or process of using something effectively or productively; the extent to which something is used
60. su\_\_\_\_\_ed economic growth *adj.* lasting for a long time or continuing for a long time without becoming weaker or less intense
61. opp\_\_\_\_\_on campaign *n.* the act of disagreeing or resisting; the state of strong disagreement
62. con\_\_\_\_\_nt way *adj.* useful, helpful, or quick to do
63. gl\_\_\_\_\_r retreat *n.* a slowly moving mass of ice formed from snow on mountains or near the North Pole or the South Pole

ANSWERS: 53. aerospace, 54. incredibly, 55. afford, 56. fuel, 57. flyby, 58. starship, 59. utilization, 60. sustained, 61. opposition, 62. convenient, 63. glacier



64. a\_m at a specific target  
*v.* to try or plan to get or achieve something
65. control re\_\_\_\_\_ly  
*adv.* at a distance; not directly or easily accessible
66. crack of d\_\_n  
*n.* the time of day when the sun's light starts to show in the sky
67. physical re\_\_\_\_\_nt  
*n.* a measure taken to prevent someone or something from acting freely or excessively; self-control or moderation; a physical device used to restrict or limit movement
68. look through a te\_\_\_\_\_pe  
*n.* a device like a tube in shape containing lenses used to magnify and observe distant objects
69. private spa\_\_\_\_\_ht  
*n.* the act of traveling into space, either by means of crewed or uncrewed spacecraft; the technology and infrastructure required to support space travel
70. get inc\_\_\_\_\_ly insecure  
*adv.* in a way that is very difficult to believe; exceedingly or extremely
71. inc\_\_\_\_\_le amount  
*adj.* unbelievable; enormous
72. me\_\_\_c units  
*adj.* using or relating to the meter as a unit of length; a system of related measures that facilitates the quantification of some particular characteristic
73. se\_\_e the day  
*v.* to catch or take hold of someone or something suddenly and forcibly; to capture the attention or imagination of something

ANSWERS: 64. aim, 65. remotely, 66. dawn, 67. restraint, 68. telescope, 69. spaceflight, 70. incredibly, 71. incredible, 72. metric, 73. seize

74. pos\_\_\_\_\_ty of a major earthquake     *n.* a chance that something may happen or be true
75. mi\_\_\_\_\_re version     *adj.* being on a very small scale
76. su\_\_\_\_\_ed release medication     *adj.* lasting for a long time or continuing for a long time without becoming weaker or less intense
77. hea\_\_\_\_\_ty equipment     *adj.* designed to withstand or endure rough, harsh, or intense use; made for heavy or strenuous work
78. or\_\_\_\_\_i paper     *n.* the Japanese art or practice of folding paper into decorative shapes and figures
79. co\_\_\_\_\_ct a 3D image     *v.* to build or create something; to assemble or combine different parts to form something whole
80. ess\_\_\_\_\_ly correct     *adv.* relating to the essential features or concepts of anything
81. inf\_\_\_\_\_ure cost     *n.* the basic systems, services, or features that are necessary for an organization or country, such as transport and power supplies
82. 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.
83. ph\_\_\_n emission     *n.* a unit or quantum of electromagnetic energy, typically regarded as a particle that is the basic constituent of all light and other forms of electromagnetic radiation

ANSWERS: 74. possibility, 75. miniature, 76. sustained, 77. heavy-duty, 78. origami, 79. construct, 80. essentially, 81. infrastructure, 82. orbit, 83. photon

84. classic arc\_\_\_\_\_ure *n.* the art and science of designing and constructing buildings
85. un\_\_\_\_\_ed vehicle *adj.* operated or functioning without the presence or support of a crew or human operator; unmanned
86. 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
87. ro\_\_\_\_t fuel *n.* a large tube-shaped object that moves very first by a stream of gases let out behind it, used for space travel or as a weapon
88. 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
89. an Arctic exp\_\_\_\_\_on *n.* the activity of searching and finding out about something through a place
90. a se\_\_\_\_e case of pneumonia *adj.* extremely serious or bad in feeling, manner, or strict and harsh; extremely strong or vigorous
91. fl\_\_\_\_y mission *n.* a close approach to a celestial body, especially a planet, by a spacecraft without landing or entering orbit
92. the eq\_\_\_\_\_on of poverty with ignorance *n.* the act of regarding as equal; (mathematics) a statement that expresses the equality of two expressions by connecting them with the equals sign

ANSWERS: 84. architecture, 85. uncrewed, 86. planet, 87. rocket, 88. astrophysics, 89. exploration, 90. severe, 91. flyby, 92. equation

93. a friendly con\_\_\_\_\_ion      *n.* an informal talk between two or more people to exchange their views, ideas, information, etc.
94. a particle di\_\_\_\_\_er      *n.* the length of a straight line passing through the center of a circle and connecting two points on the circumference
95. biomass f\_\_\_l      *n.* a substance that is typically burned to generate heat or energy
96. spare co\_\_\_\_\_nts for cars      *n.* one of several parts that combines with others to form something bigger
97. futuristic st\_\_\_\_\_ip design      *n.* a spacecraft designed for long-distance travel between stars; a fictional spacecraft used in science fiction
98. military st\_\_\_\_\_gy      *n.* a detailed plan of action designed to achieve a long-term or overall goal.
99. 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.
100. designer bo\_\_\_\_\_ue      *n.* a small, stylish shop, often specializing in unique or specialized items
101. tr\_\_\_\_\_rt facilities      *n.* a system for moving people or products from one location to another using automobiles, roads, and so on
102. con\_\_\_\_\_nt location      *adj.* useful, helpful, or quick to do
103. op\_\_\_\_\_ne occasion      *adj.* suitable or happening at a time that is suitable or convenient for a particular purpose

ANSWERS: 93. conversation, 94. diameter, 95. fuel, 96. component, 97. starship, 98. strategy, 99. orbit, 100. boutique, 101. transport, 102. convenient, 103. opportune

104. re\_\_\_l ink cartridge      *v.* to replenish a container with a substance that it previously held; to top up a supply or amount of something
105. Ma\_\_\_\_\_n surface      *adj.* of or relating to Mars or its imaginary inhabitants
106. hazardous li\_\_\_d      *n.* a substance, such as water or oil that flows freely and is neither a solid nor a gas
107. ex\_\_\_\_\_e the world      *v.* to travel to or penetrate an area or a country to learn about it; to thoroughly examine a subject or a possibility to learn more about it
108. self-re\_\_\_\_\_nt      *n.* a measure taken to prevent someone or something from acting freely or excessively; self-control or moderation; a physical device used to restrict or limit movement
109. the evidence of the pr\_\_\_\_\_ce      *n.* the fact or state that someone or something exists, occurs, or is present
110. a su\_\_\_\_\_ne volcano      *n.* a type of underwater vehicle or vessel that can operate beneath the surface of the water; (adjective) beneath the surface of the sea
111. Jo\_\_\_n planet      *adj.* relating to Jupiter or its characteristics
112. di\_\_\_\_\_ce in time management      *n.* careful and persistent effort or work; conscientiousness in performing one's duties or responsibilities
113. po\_\_r bears      *adj.* relating to, or close to, the North or South Pole; characterized by complete opposites

ANSWERS: 104. refill, 105. Martian, 106. liquid, 107. explore, 108. restraint, 109. presence, 110. submarine, 111. Jovian, 112. diligence, 113. polar

114. un\_\_\_\_\_ed aerial drone *adj.* operated or functioning without the presence or support of a crew or human operator; unmanned
115. fe\_\_y service *n.* a boat or ship used to transport people, vehicles, or goods across a body of water, especially on a regular schedule
116. sub\_\_\_\_\_le pump *adj.* able to be operated or used underwater; capable of being submerged in water or other liquid
117. a\_m to be a nurse *v.* to try or plan to get or achieve something
118. access to public tr\_\_\_\_\_rt *n.* a system for moving people or products from one location to another using automobiles, roads, and so on
119. ge\_\_\_\_\_te \$100 a month *v.* to produce or create something; to make offspring by reproduction
120. cr\_\_y about cars and racing *adj.* stupid or not sensible; very angry
121. as\_\_\_\_\_ut mission *n.* a person trained by a space agency to travel outside the Earth's atmosphere
122. a m\_\_s of molten rock *n.* a large amount of a substance with no definite shape or form; a large number of people or things grouped or crowded together
123. spa\_\_\_\_\_ft launch *n.* a vehicle designed to travel through space, typically carrying astronauts or scientific instruments
124. lar\_\_\_\_\_le project *adj.* involving many people or things and involving a lot of change or activity

ANSWERS: 114. uncrewed, 115. ferry, 116. submersible, 117. aim, 118. transport, 119. generate, 120. crazy, 121. astronaut, 122. mass, 123. spacecraft, 124. large-scale

125. a rid\_\_\_\_\_us amount of money *adj.* very silly or unreasonable and deserving to be laughed at
126. strict time con\_\_\_\_\_nts *n.* a limit or restriction on something, such as an action, behavior, or thought
127. meet with opp\_\_\_\_\_on *n.* the act of disagreeing or resisting; the state of strong disagreement
128. as\_\_\_\_\_ut in training *n.* a person trained by a space agency to travel outside the Earth's atmosphere
129. key performance me\_\_\_cs *adj.* using or relating to the meter as a unit of length; a system of related measures that facilitates the quantification of some particular characteristic
130. cultural pa\_\_\_\_\_gm *n.* a standard or typical example of something; a pattern or model
131. three-fourths of a po\_\_d *n.* the standard unit of money in the UK; the standard unit of weight equal to 16 ounces
132. atmospheric me\_\_\_\_\_e *n.* a chemical compound with the chemical formula CH<sub>4</sub> with no smell or color, often used as a fuel
133. en\_\_\_\_\_on the future *v.* to imagine or expect what a situation will be like in the future
134. lig\_\_\_\_\_ht structure *adj.* composed of thinner and lighter material than average; not severe or impressive
135. ge\_\_\_\_\_te more electricity *v.* to produce or create something; to make offspring by reproduction
136. a rid\_\_\_\_\_us suggestion *adj.* very silly or unreasonable and deserving to be laughed at

ANSWERS: 125. ridiculous, 126. constraint, 127. opposition, 128. astronaut, 129. metric, 130. paradigm, 131. pound, 132. methane, 133. envision, 134. lightweight, 135. generate, 136. ridiculous

137. struck a mi\_\_\_y blow *adj.* very large, powerful, or strong
138. ind\_\_\_\_\_us student *adj.* hardworking, diligent, and persistent in effort
139. pr\_\_\_\_\_ty call *n.* something that is more important than other things and should be dealt with first
140. ro\_\_\_t attack against the enemy *n.* a large tube-shaped object that moves very fast by a stream of gases let out behind it, used for space travel or as a weapon
141. hea\_\_\_\_\_ty cleaning *adj.* designed to withstand or endure rough, harsh, or intense use; made for heavy or strenuous work
142. em\_\_\_\_\_ze her words *v.* to give or show particular importance to something
143. ae\_\_\_\_\_ce and defense industry *adj.* pertaining to the design, engineering, science, and technology related to the Earth's atmosphere and the exploration or use of space beyond it
144. the most am\_\_\_\_\_g feeling *adj.* extremely surprising, especially in a way that you like or admire
145. loading d\_\_k *n.* a structure or platform that extends from the shoreline into a body of water, used for loading and unloading ships or boats; an enclosed area of water used as a basin for shipping or pleasure boats; a place where a ship can be repaired or maintained
146. critical m\_\_s *n.* a large amount of a substance with no definite shape or form; a large number of people or things grouped or crowded together

ANSWERS: 137. mighty, 138. industrious, 139. priority, 140. rocket, 141. heavy-duty, 142. emphasize, 143. aerospace, 144. amazing, 145. dock, 146. mass



147. the local chamber of co\_\_\_\_\_ce      *n.* the activity of buying and selling things, especially on a large scale
148. re\_\_\_\_\_ly operate      *adv.* at a distance; not directly or easily accessible
149. ex\_\_\_\_\_et mission      *n.* a planet that orbits a star outside of the solar system
150. cu\_\_y lifestyle      *adj.* comfortable, easy, and lacking hardship or effort; undemanding; luxurious
151. re\_\_t my brain      *v.* to set again or differently; to return to a previous state or condition
152. pro\_\_\_\_\_nt mixture      *n.* a substance that provides the force to propel (= to cause something to move forwards) something, such as a rocket or spray can
153. an op\_\_\_\_\_ne remark      *adj.* suitable or happening at a time that is suitable or convenient for a particular purpose
154. preserve my gr\_\_\_\_\_y      *n.* the force that attracts a body towards the center of the earth or towards any other physical body having mass; a manner that is solemn
155. tr\_\_\_\_\_rm an education system      *v.* to change in outward structure or looks;
156. su\_\_\_\_\_n a wellness lifestyle      *v.* to supply enough of what somebody or something needs to survive or exist; to accept as valid
157. a per\_\_\_\_\_ve view      *n.* a confident attitude toward something; a particular style of thinking about something

ANSWERS: 147. commerce, 148. remotely, 149. exoplanet, 150. cushy, 151. reset, 152. propellant, 153. opportune, 154. gravity, 155. transform, 156. sustain, 157. perspective

158. pro\_\_\_\_\_nt tank *n.* a substance that provides the force to propel (= to cause something to move forwards) something, such as a rocket or spray can
159. ind\_\_\_\_\_us crop *adj.* someone or something that is native to or occurring naturally in a particular place
160. against tr\_\_\_\_\_on *n.* a belief, custom, or way of doing something that has been passed down from generation to generation within a group or society
161. or\_\_\_\_\_i art *n.* the Japanese art or practice of folding paper into decorative shapes and figures
162. sup\_\_\_\_\_ed sandwich *adj.* enlarged or increased beyond the usual or ordinary size; larger than normal; often used to describe food or drink excessively large portions
163. develop a st\_\_\_\_\_gy *n.* a detailed plan of action designed to achieve a long-term or overall goal.
164. de\_\_\_y troops for battle *v.* to move troops or weapons into a position or military action; to bring into something in an effective way
165. absolutely fa\_\_\_\_\_ic event *adj.* extremely good; excellent
166. sub\_\_\_\_\_ce mining *adj.* situated or located beneath the surface of something; existing or occurring within the deeper layers of a material or object, often referring to areas below the Earth's surface

ANSWERS: 158. propellant, 159. indigenous, 160. tradition, 161. origami, 162. supersized, 163. strategy, 164. deploy, 165. fantastic, 166. subsurface

167. re\_\_\_d the situation as unfortunate     *v.* to think about or consider somebody or something in a specified way
168. Yellowstone ge\_\_\_r     *n.* a natural hot spring that periodically ejects a column of boiling water and steam into the air; a device that produces a similar effect for decorative or practical purposes
169. lunar ro\_\_\_r     *n.* a vehicle designed to travel over rough terrain, especially on the surface of a planet or moon
170. past mil\_\_\_\_\_um     *n.* a span of 1000 years, or the 1000th anniversary (plural: millennia)
171. 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
172. ad\_\_\_\_\_e a cooperative relationship     *v.* to go or move forward; to develop in a positive way
173. lar\_\_\_\_\_le agriculture     *adj.* involving many people or things and involving a lot of change or activity
174. co\_\_\_c background radiation     *adj.* relating to the universe or cosmos; vast or limitless
175. la\_\_\_\_\_y accepted     *adv.* virtually entirely; to a large degree
176. major pa\_\_\_\_\_gm shift     *n.* a standard or typical example of something; a pattern or model
177. theory of the un\_\_\_\_\_se     *n.* everything that exists, especially all physical matter, including planets, stars, galaxies, and all other forms of matter and energy

ANSWERS: 167. regard, 168. geyser, 169. rover, 170. millennium, 171. planet, 172. advance, 173. large-scale, 174. cosmic, 175. largely, 176. paradigm, 177. universe

178. f\_\_e their homes *v.* to leave by running away, especially out of fear or danger
179. re\_\_e the materials *v.* to use something again or more than once
180. ba\_\_\_\_\_e attachment *n.* a large mechanical digging machine with a shovel-like scoop on the front and a digging arm on the back, used for excavating and moving large amounts of soil and debris
181. mi\_\_\_\_\_re camera *adj.* being on a very small scale
182. su\_\_\_\_\_al food *n.* the state of continuing to exist or live, frequently in the face of difficulty or danger
183. tra\_\_\_\_\_lly sung at a banquet *adv.* in accordance with tradition; typically or commonly done in a particular way
184. interstate co\_\_\_\_\_ce *n.* the activity of buying and selling things, especially on a large scale
185. ph\_\_\_n energy *n.* a unit or quantum of electromagnetic energy, typically regarded as a particle that is the basic constituent of all light and other forms of electromagnetic radiation
186. sup\_\_\_\_\_ed soda *adj.* enlarged or increased beyond the usual or ordinary size; larger than normal; often used to describe food or drink excessively large portions
187. morale bo\_\_\_\_\_r *n.* something or someone that supports, promotes, or enhances; a device or substance that improves the performance or effectiveness of something

ANSWERS: 178. flee, 179. reuse, 180. backhoe, 181. miniature, 182. survival, 183. traditionally, 184. commerce, 185. photon, 186. supersized, 187. booster

188. ro\_\_r mission *n.* a vehicle designed to travel over rough terrain, especially on the surface of a planet or moon
189. en\_\_\_\_\_on the project's success *v.* to imagine or expect what a situation will be like in the future
190. origin of the co\_\_\_\_s *n.* another name for the universe, mainly used when it is thought of as an ordered system
191. pa\_\_\_\_\_d capacity *n.* the amount of cargo or goods that a vehicle or equipment is designed to carry or transport; in computing, the amount of data that can be transmitted over a communication system
192. jewelry bo\_\_\_\_\_ue *n.* a small, stylish shop, often specializing in unique or specialized items
193. fire dr\_\_l *n.* a tool or machine used for making round holes or driving fasteners; a training or practice
194. th\_\_\_e in a society *v.* to grow vigorously; to make steady progress
195. earliest human an\_\_\_\_\_or *n.* a person from whom one is descended; a forefather
196. pos\_\_\_\_\_ty for growth *n.* a chance that something may happen or be true
197. reduce me\_\_\_\_\_e emissions *n.* a chemical compound with the chemical formula CH<sub>4</sub> with no smell or color, often used as a fuel
198. gl\_\_\_\_\_rs move tardily *n.* a slowly moving mass of ice formed from snow on mountains or near the North Pole or the South Pole

ANSWERS: 188. rover, 189. envision, 190. cosmos, 191. payload, 192. boutique, 193. drill, 194. thrive, 195. ancestor, 196. possibility, 197. methane, 198. glacier

199. tr\_\_\_\_\_m heat into power      *v.* to change in outward structure or looks;
200. ex\_\_\_\_\_ng football player      *adj.* causing a lot of interest or excitement
201. m\_r a proper relationship      *v.* to damage or spoil the appearance or surface of something
202. su\_\_\_\_\_al ability      *n.* the state of continuing to exist or live, frequently in the face of difficulty or danger
203. mil\_\_\_\_\_um bottle of wine      *n.* a span of 1000 years, or the 1000th anniversary (plural: millennia)
204. lack of ox\_\_\_\_\_n      *n.* the chemical element with the symbol O that is present in air and water and is necessary for people, animals, and plants to live
205. as\_\_\_\_\_le your colleagues      *v.* to collect in one place as a single group
206. fi\_\_\_\_\_e decimal      *adj.* having a limit or restriction of size, time, etc.
207. technology uti\_\_\_\_\_on      *n.* the act or process of using something effectively or productively; the extent to which something is used
208. the attraction of gr\_\_\_\_\_y      *n.* the force that attracts a body towards the center of the earth or towards any other physical body having mass; a manner that is solemn
209. di\_\_\_\_\_se a vulnerability      *v.* to make something, such as secret or new information, known publicly
210. steady in\_\_\_\_\_ntal growth      *n.* a regular increase in the amount of something, such as money; a process of becoming larger, longer, or more important

ANSWERS: 199. transform, 200. exciting, 201. mar, 202. survival, 203. millennium, 204. oxygen, 205. assemble, 206. finite, 207. utilization, 208. gravity, 209. disclose, 210. increment

211. small in\_\_\_\_\_nts *n.* a regular increase in the amount of something, such as money; a process of becoming larger, longer, or more important
212. the taste of sa\_\_\_\_\_ss *n.* the quality or state of being salty
213. pr\_\_\_\_\_or cell *n.* a person or thing that comes before another of the same kind and that contributes to or influences its growth
214. a branch of as\_\_\_\_\_my *n.* the scientific study of objects and matter outside the Earth's atmosphere, especially the positions, motions, and evolution of celestial bodies
215. emission ne\_\_\_\_a *n.* a cloud of gas and dust in space, visible in the night sky, typically as a diffuse light source
216. un\_\_\_\_r employment practices *adj.* not giving equal treatment or opportunities to people involved; marked by injustice, partiality, or deception
217. con\_\_\_\_\_ion in English *n.* an informal talk between two or more people to exchange their views, ideas, information, etc.
218. po\_\_r regions *adj.* relating to, or close to, the North or South Pole; characterized by complete opposites
219. fi\_\_\_\_e resources *adj.* having a limit or restriction of size, time, etc.
220. ex\_\_\_\_d agricultural output *v.* to increase or to make something greater in size, number, or importance

ANSWERS: 211. increment, 212. saltiness, 213. precursor, 214. astronomy, 215. nebula, 216. unfair, 217. conversation, 218. polar, 219. finite, 220. expand

221. su\_\_\_\_\_n a good relationship with him  
*v.* to supply enough of what somebody or something needs to survive or exist; to accept as valid
222. future of space exp\_\_\_\_\_on  
*n.* the activity of searching and finding out about something through a place
223. enhance the sa\_\_\_\_\_ss  
*n.* the quality or state of being salty
224. con\_\_\_\_\_nt on business activity  
*n.* a limit or restriction on something, such as an action, behavior, or thought
225. have an un\_\_\_\_r advantage  
*adj.* not giving equal treatment or opportunities to people involved; marked by injustice, partiality, or deception
226. key co\_\_\_\_\_nt  
*n.* one of several parts that combines with others to form something bigger
227. fun\_\_\_\_\_al education  
*adj.* forming an essential base or core from which everything else develops or is affected
228. de\_\_\_\_y safety measures  
*v.* to move troops or weapons into a position or military action; to bring into something in an effective way
229. redness of the ey\_\_\_\_\_l  
*n.* the round part of the eye of a vertebrate that is usually inside the head and, therefore, cannot be seen
230. ex\_\_\_\_\_ng news  
*adj.* causing a lot of interest or excitement
231. second co\_\_\_\_c velocity  
*adj.* relating to the universe or cosmos; vast or limitless
232. a cr\_\_y scheme  
*adj.* stupid or not sensible; very angry

ANSWERS: 221. sustain, 222. exploration, 223. saltiness, 224. constraint, 225. unfair, 226. component, 227. fundamental, 228. deploy, 229. eyeball, 230. exciting, 231. cosmic, 232. crazy



233. unpre\_\_\_\_\_ted boom *adj.* never having been seen, done, or known before
234. unpre\_\_\_\_\_ted business opportunity *adj.* never having been seen, done, or known before
235. the hydrogen binds the ox\_\_\_\_n *n.* the chemical element with the symbol O that is present in air and water and is necessary for people, animals, and plants to live
236. exploration of co\_\_\_\_s *n.* another name for the universe, mainly used when it is thought of as an ordered system
237. tra\_\_\_\_\_lly accepted concept *adv.* in accordance with tradition; typically or commonly done in a particular way
238. a tr\_\_\_\_\_on of a culture *n.* a belief, custom, or way of doing something that has been passed down from generation to generation within a group or society
239. a single c\_\_p *n.* a pointed end, especially the pointed end of a crescent moon or the part of a curve that is most curved
240. lig\_\_\_\_\_ht aircraft *adj.* composed of thinner and lighter material than average; not severe or impressive
241. at inc\_\_\_\_\_le speed *adj.* unbelievable; enormous
242. a chemical eq\_\_\_\_\_on *n.* the act of regarding as equal; (mathematics) a statement that expresses the equality of two expressions by connecting them with the equals sign

ANSWERS: 233. unprecedented, 234. unprecedented, 235. oxygen, 236. cosmos, 237. traditionally, 238. tradition, 239. cusp, 240. lightweight, 241. incredible, 242. equation

243. d\_\_p hazardous waste      *v.* to deposit or dispose of something, such as trash, waste, etc., carelessly or hurriedly
244. d\_\_p the gravel on the road      *v.* to deposit or dispose of something, such as trash, waste, etc., carelessly or hurriedly
245. hi\_\_\_\_ic accomplishment      *adj.* famous or significant in history, or potentially so
246. musical ins\_\_\_\_\_nts      *n.* an object used to make musical sounds, such as a piano, guitar, or drum; a tool or device used for a specific activity, particularly in specialist or scientific work
247. f\_\_e abroad      *v.* to leave by running away, especially out of fear or danger
248. r\_g an election      *v.* to prepare or set up something in a certain way, typically in a carefully planned or fraudulent manner; to equip with sails or masts
249. fe\_\_y terminal      *n.* a boat or ship used to transport people, vehicles, or goods across a body of water, especially on a regular schedule
250. spa\_\_\_\_\_ht industry      *n.* the act of traveling into space, either by means of crewed or uncrewed spacecraft; the technology and infrastructure required to support space travel
251. 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

ANSWERS: 243. dump, 244. dump, 245. historic, 246. instrument, 247. flee, 248. rig, 249. ferry, 250. spaceflight, 251. launch

252. sub\_\_\_\_\_le cable *adj.* able to be operated or used underwater; capable of being submerged in water or other liquid
253. em\_\_\_\_\_ze a direct relationship *v.* to give or show particular importance to something
254. se\_\_\_\_e heat *adj.* extremely serious or bad in feeling, manner, or strict and harsh; extremely strong or vigorous
255. as\_\_\_\_\_le a jigsaw puzzle *v.* to collect in one place as a single group
256. ind\_\_\_\_\_us peoples *adj.* someone or something that is native to or occurring naturally in a particular place
257. IT inf\_\_\_\_\_ure *n.* the basic systems, services, or features that are necessary for an organization or country, such as transport and power supplies
258. 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
259. thousands of po\_\_ds *n.* the standard unit of money in the UK; the standard unit of weight equal to 16 ounces
260. su\_\_\_\_\_e a blizzard *v.* to live or exist despite a dangerous event or period
261. ey\_\_\_\_\_l motion *n.* the round part of the eye of a vertebrate that is usually inside the head and, therefore, cannot be seen

ANSWERS: 252. submersible, 253. emphasize, 254. severe, 255. assemble, 256. indigenous, 257. infrastructure, 258. launch, 259. pound, 260. survive, 261. eyeball

262. re\_\_e existing knowledge      *v.* to use something again or more than once
263. satellite pa\_\_\_\_d      *n.* the amount of cargo or goods that a vehicle or equipment is designed to carry or transport; in computing, the amount of data that can be transmitted over a communication system
264. se\_\_e a person's property      *v.* to catch or take hold of someone or something suddenly and forcibly; to capture the attention or imagination of something
265. af\_\_\_\_d to buy a new car      *v.* to have enough money or time to be able to buy or do something
266. Ma\_\_\_\_n geography      *adj.* of or relating to Mars or its imaginary inhabitants
267. as\_\_\_\_my science      *n.* the scientific study of objects and matter outside the Earth's atmosphere, especially the positions, motions, and evolution of celestial bodies
268. metabolism bo\_\_\_\_r      *n.* something or someone that supports, promotes, or enhances; a device or substance that improves the performance or effectiveness of something
269. a spiral ne\_\_\_\_a      *n.* a cloud of gas and dust in space, visible in the night sky, typically as a diffuse light source
270. ba\_\_\_\_e operator      *n.* a large mechanical digging machine with a shovel-like scoop on the front and a digging arm on the back, used for excavating and moving large amounts of soil and debris

ANSWERS: 262. reuse, 263. payload, 264. seize, 265. afford, 266. Martian, 267. astronomy, 268. booster, 269. nebula, 270. backhoe

271. an\_\_\_\_or language

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

272. fishing d\_\_k

*n.* a structure or platform that extends from the shoreline into a body of water, used for loading and unloading ships or boats; an enclosed area of water used as a basin for shipping or pleasure boats; a place where a ship can be repaired or maintained

273. the closest ex\_\_\_\_et to Earth

*n.* a planet that orbits a star outside of the solar system

274. unf\_\_\_\_ng terrain

*adj.* not willing to forgive or show mercy; not able to be repaired or restored

275. di\_\_\_\_er of an oval

*n.* the length of a straight line passing through the center of a circle and connecting two points on the circumference

276. sub\_\_\_\_ce oil reserves

*adj.* situated or located beneath the surface of something; existing or occurring within the deeper layers of a material or object, often referring to areas below the Earth's surface

ANSWERS: 271. ancestor, 272. dock, 273. exoplanet, 274. unforgiving, 275. diameter, 276. subsurface

## Session 3: Fill in the Blanks

1. I love making \_\_\_\_\_ cranes during my free time.  
*n.* the Japanese art or practice of folding paper into decorative shapes and figures
2. The supermarket encourages shoppers to \_\_\_\_\_ plastic bags.  
*v.* to use something again or more than once
3. The \_\_\_\_\_ truck towed the broken-down car to the garage.  
*adj.* designed to withstand or endure rough, harsh, or intense use; made for heavy or strenuous work
4. Her \_\_\_\_\_ is to be a mother.  
*n.* something that is more important than other things and should be dealt with first
5. Our world is in the third \_\_\_\_\_.  
*n.* a span of 1000 years, or the 1000th anniversary (plural: millennia)
6. Human behavior has \_\_\_\_\_ characteristics.  
*adj.* forming an essential base or core from which everything else develops or is affected
7. The sponge takes up the \_\_\_\_\_ well.  
*n.* a substance, such as water or oil that flows freely and is neither a solid nor a gas
8. The \_\_\_\_\_ of audit formally issued a business improvement order.  
*n.* a group of large machines or the components of a machine that make it work; social institution functions or structure for doing something

ANSWERS: 1. origami, 2. reuse, 3. heavy-duty, 4. priority, 5. millennium, 6. fundamental, 7. liquid, 8. machinery

9. He evaluated his chances for \_\_\_\_\_ rather pessimistically.  
*n.* the state of continuing to exist or live, frequently in the face of difficulty or danger
10. The \_\_\_\_\_ layers of the ocean are still largely unexplored.  
*adj.* situated or located beneath the surface of something; existing or occurring within the deeper layers of a material or object, often referring to areas below the Earth's surface
11. The Chinese people have accomplished several \_\_\_\_\_ feats.  
*adj.* famous or significant in history, or potentially so
12. The \_\_\_\_\_ on Mars is gathering data on the planet's surface and sending it back to Earth.  
*n.* a vehicle designed to travel over rough terrain, especially on the surface of a planet or moon
13. My remote \_\_\_\_\_ immigrated to the United States from Ireland in the 1800s.  
*n.* a person from whom one is descended; a forefather
14. The \_\_\_\_\_ crew encountered an alien race they had never seen before.  
*n.* a spacecraft designed for long-distance travel between stars; a fictional spacecraft used in science fiction
15. 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
16. Missile assaults on the capital continued around \_\_\_\_\_.  
*n.* the time of day when the sun's light starts to show in the sky

ANSWERS: 9. survival, 10. subsurface, 11. historic, 12. rover, 13. ancestor, 14. starship, 15. telescope, 16. dawn

17. My father's death \_\_\_\_\_ my life completely.

*v.* to change in outward structure or looks;

18. Without investment, a business cannot \_\_\_\_\_.

*v.* to grow vigorously; to make steady progress

19. Increased \_\_\_\_\_ pressure leads to the development of glaucoma.

*n.* the round part of the eye of a vertebrate that is usually inside the head and, therefore, cannot be seen

20. The \_\_\_\_\_ of renewable energy sources is crucial for the future of our planet.

*n.* the act or process of using something effectively or productively; the extent to which something is used

21. She tasted the dish and detected a slight \_\_\_\_\_.

*n.* the quality or state of being salty

22. She \_\_\_\_\_ the computer to fix the problem.

*v.* to set again or differently; to return to a previous state or condition

23. He did complicated pen-and-ink drawings like medieval \_\_\_\_\_.

*adj.* being on a very small scale

24. The passenger grabbed for the \_\_\_\_\_ mask.

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

25. The \_\_\_\_\_ sun scorched the desert, making it uninhabitable.

*adj.* not willing to forgive or show mercy; not able to be repaired or restored

ANSWERS: 17. transformed, 18. thrive, 19. eyeball, 20. utilization, 21. saltiness, 22. reset, 23. miniatures, 24. oxygen, 25. unforgiving



26. The company \_\_\_\_\_ him after several years of service.

- v.* to deposit or dispose of something, such as trash, waste, etc., carelessly or hurriedly

27. Everyone regarded the theory he advocated as \_\_\_\_\_ but was later proven correct.

- adj.* very silly or unreasonable and deserving to be laughed at

28. Enhanced rail \_\_\_\_\_ is crucial for our business.

- n.* a system for moving people or products from one location to another using automobiles, roads, and so on

29. This company has invested heavily in Internet \_\_\_\_\_.

- n.* the activity of buying and selling things, especially on a large scale

30. The president began to \_\_\_\_\_ an army.

- v.* to collect in one place as a single group

31. The spacecraft will conduct a \_\_\_\_\_ of the moon to gather data.

- n.* a close approach to a celestial body, especially a planet, by a spacecraft without landing or entering orbit

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

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

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

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

ANSWERS: 26. dumped, 27. ridiculous, 28. transportation, 29. commerce, 30. assemble, 31. flyby, 32. amazing, 33. Cosmic

34. He was known to be very \_\_\_\_\_ and would often work late into the night.

*adj.* hardworking, diligent, and persistent in effort

35. The airport offers five \_\_\_\_\_ access routes.

*adj.* useful, helpful, or quick to do

36. The galactic \_\_\_\_\_ was a beautiful sight through the telescope, with its vibrant colors and swirling clouds.

*n.* a cloud of gas and dust in space, visible in the night sky, typically as a diffuse light source

37. In this class, you will learn how to solve quadratic \_\_\_\_\_.

*n.* the act of regarding as equal; (mathematics) a statement that expresses the equality of two expressions by connecting them with the equals sign

38. The ignition of \_\_\_\_\_ gas in the plant killed five employees.

*n.* a chemical compound with the chemical formula CH<sub>4</sub> with no smell or color, often used as a fuel

39. This machine is too difficult to \_\_\_\_\_ for me.

*v.* to work in a particular way; to supervise something

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

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

41. The budget \_\_\_\_\_ forced them to make difficult decisions.

*n.* a limit or restriction on something, such as an action, behavior, or thought

42. The bid \_\_\_\_\_ for this auction is \$100.

*n.* a regular increase in the amount of something, such as money; a process of becoming larger, longer, or more important

ANSWERS: 34. industrious, 35. convenient, 36. nebula, 37. equations, 38. methane, 39. operate, 40. expand, 41. constraint, 42. increment

43. \_\_\_\_\_ animals are graceful and efficient swimmers.

*adj.* relating to, or close to, the North or South Pole; characterized by complete opposites

44. \_\_\_\_\_ technology has advanced significantly since the first man landed on the moon in 1969.

*n.* the act of traveling into space, either by means of crewed or uncrewed spacecraft; the technology and infrastructure required to support space travel

45. She struggled to \_\_\_\_\_ the children's reading habits.

*v.* to supply enough of what somebody or something needs to survive or exist; to accept as valid

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

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

47. Only the \_\_\_\_\_ God has the power to brighten this dark land.

*adj.* very large, powerful, or strong

48. Powder coating protects the \_\_\_\_\_ aluminum alloy components.

*adj.* composed of thinner and lighter material than average; not severe or impressive

49. We cannot \_\_\_\_\_ her as President.

*v.* to imagine or expect what a situation will be like in the future

50. Supercomputers enable scientists to create computational models of the \_\_\_\_\_.

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

ANSWERS: 43. Polar, 44. Spaceflight, 45. sustain, 46. advance, 47. mighty, 48. lightweight, 49. envision, 50. cosmos

51. The energy drink is marketed as a \_\_\_\_\_ to help athletes perform better.
- n.* something or someone that supports, promotes, or enhances; a device or substance that improves the performance or effectiveness of something
52. The \_\_\_\_\_ scarcity most severely impacted the manufacturing sector
- n.* a substance that is typically burned to generate heat or energy
53. The path to a solid online \_\_\_\_\_ necessitates a high technical ability.
- n.* the fact or state that someone or something exists, occurs, or is present
54. The construction crew used a \_\_\_\_\_ to dig the foundation for the new building.
- n.* a large mechanical digging machine with a shovel-like scoop on the front and a digging arm on the back, used for excavating and moving large amounts of soil and debris
55. The economic stimulation program would \_\_\_\_\_ a lot of new jobs.
- v.* to produce or create something; to make offspring by reproduction
56. The \_\_\_\_\_ in the rocket provided the force needed to reach outer space.
- n.* a substance that provides the force to propel (= to cause something to move forwards) something, such as a rocket or spray can
57. Infrared cameras detect \_\_\_\_\_ in the infrared range of the electromagnetic spectrum.
- n.* a unit or quantum of electromagnetic energy, typically regarded as a particle that is the basic constituent of all light and other forms of electromagnetic radiation
58. The \_\_\_\_\_ is about 13.8 billion years old.
- n.* everything that exists, especially all physical matter, including planets, stars, galaxies, and all other forms of matter and energy

ANSWERS: 51. booster, 52. fuel, 53. presence, 54. backhoe, 55. generate, 56. propellant, 57. photons, 58. universe

59. There is very little water in the \_\_\_\_\_ atmosphere.

*adj.* of or relating to Mars or its imaginary inhabitants

60. In a democracy, it is necessary to monitor the judiciary to see if it is making \_\_\_\_\_ decisions.

*adj.* not giving equal treatment or opportunities to people involved; marked by injustice, partiality, or deception

61. The company experienced \_\_\_\_\_ growth over the past decade.

*adj.* lasting for a long time or continuing for a long time without becoming weaker or less intense

62. Your \_\_\_\_\_ reflects your thoughts.

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

63. NASA is an \_\_\_\_\_ organization that explores space and improves aviation technology.

*adj.* pertaining to the design, engineering, science, and technology related to the Earth's atmosphere and the exploration or use of space beyond it

64. The rain and thunder are \_\_\_\_\_ today.

*adj.* stupid or not sensible; very angry

65. Sulfur dioxide and nitrogen oxides are the primary \_\_\_\_\_ of acid rain.

*n.* a person or thing that comes before another of the same kind and that contributes to or influences its growth

66. The company can \_\_\_\_\_ access its employees' computers for troubleshooting purposes.

*adv.* at a distance; not directly or easily accessible

ANSWERS: 59. Martian, 60. unfair, 61. sustained, 62. conversation, 63. aerospace, 64. crazy, 65. precursors, 66. remotely

67. 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

68. He had a deep passion for extragalactic \_\_\_\_\_ and spent hours observing the night sky.

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

69. Nevada is \_\_\_\_\_ a desert state.

- adv.* virtually entirely; to a large degree

70. The \_\_\_\_\_ Kepler-186f is located 500 light-years from Earth and is believed to be habitable.

- n.* a planet that orbits a star outside of the solar system

71. The researchers try to discover a common \_\_\_\_\_ in all types of successful organizations.

- n.* one of several parts that combines with others to form something bigger

72. I ordered a \_\_\_\_\_ meal at the fast food restaurant.

- adj.* enlarged or increased beyond the usual or ordinary size; larger than normal; often used to describe food or drink excessively large portions

73. He postulated a completely different \_\_\_\_\_ to explain all these phenomena.

- n.* a standard or typical example of something; a pattern or model

74. The \_\_\_\_\_ vehicle can explore the depths of the ocean.

- adj.* able to be operated or used underwater; capable of being submerged in water or other liquid

ANSWERS: 67. launch, 68. astronomy, 69. largely, 70. exoplanet, 71. component, 72. supersized, 73. paradigm, 74. submersible

75. The management must \_\_\_\_\_ strategies to increase office security.

- v.* to travel to or penetrate an area or a country to learn about it; to thoroughly examine a subject or a possibility to learn more about it

76. \_\_\_\_\_ the ceremony was held outdoors.

- adv.* in accordance with tradition; typically or commonly done in a particular way

77. I love shopping at the \_\_\_\_\_ for unique clothing pieces.

- n.* a small, stylish shop, often specializing in unique or specialized items

78. 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

79. The \_\_\_\_\_ of the ice age have shaped Fjord.

- n.* a slowly moving mass of ice formed from snow on mountains or near the North Pole or the South Pole

80. \_\_\_\_\_ a society is an organism.

- adv.* relating to the essential features or concepts of anything

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

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

82. Human beings have a \_\_\_\_\_ lifespan, so we yearn for the idea of immortality.

- adj.* having a limit or restriction of size, time, etc.

ANSWERS: 75. explore, 76. Traditionally, 77. boutique, 78. astrophysics, 79. glaciers, 80. Essentially, 81. possibility, 82. finite

83. Several military \_\_\_\_\_ programs have become popular methods of exercise.
- n.* a tool or machine used for making round holes or driving fasteners; a training or practice
84. He has the superpower to \_\_\_\_\_ a business opportunity.
- v.* to catch or take hold of someone or something suddenly and forcibly; to capture the attention or imagination of something
85. Draw a circle five centimeters in \_\_\_\_\_.
- n.* the length of a straight line passing through the center of a circle and connecting two points on the circumference
86. The \_\_\_\_\_ of people who do not own property is politically impotent.
- n.* a large amount of a substance with no definite shape or form; a large number of people or things grouped or crowded together
87. In the \_\_\_\_\_ system, measurements are made in meters and liters.
- adj.* using or relating to the meter as a unit of length; a system of related measures that facilitates the quantification of some particular characteristic
88. His father's death changed his whole \_\_\_\_\_ on life.
- n.* a confident attitude toward something; a particular style of thinking about something
89. The project was on the \_\_\_\_\_ of success and needed a little more funding.
- n.* a pointed end, especially the pointed end of a crescent moon or the part of a curve that is most curved
90. The \_\_\_\_\_ hot water generates electricity for nearby towns and cities.
- n.* a natural hot spring that periodically ejects a column of boiling water and steam into the air; a device that produces a similar effect for decorative or practical purposes

ANSWERS: 83. drill, 84. seize, 85. diameter, 86. mass, 87. metric, 88. perspective, 89. cusp, 90. geyser's



91. These birds can only \_\_\_\_\_ in temperate climates.

*v.* to live or exist despite a dangerous event or period

92. The \_\_\_\_\_ launch platform is visible from this hill.

*n.* a large tube-shaped object that moves very fast by a stream of gases let out behind it, used for space travel or as a weapon

93. 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.

94. The findings of the experiment were both \_\_\_\_\_ and unexpected.

*adj.* causing a lot of interest or excitement

95. It is a basic instinct to \_\_\_\_\_ from a dangerous situation.

*v.* to leave by running away, especially out of fear or danger

96. The ship pulled to the \_\_\_\_\_ and we disembarked to start our adventure.

*n.* a structure or platform that extends from the shoreline into a body of water, used for loading and unloading ships or boats; an enclosed area of water used as a basin for shipping or pleasure boats; a place where a ship can be repaired or maintained

97. This electronic \_\_\_\_\_ is required to undergo periodic inspections to ensure precision.

*n.* an object used to make musical sounds, such as a piano, guitar, or drum; a tool or device used for a specific activity, particularly in specialist or scientific work

98. He cannot \_\_\_\_\_ a holiday.

*v.* to have enough money or time to be able to buy or do something

ANSWERS: 91. survive, 92. rocket, 93. orbit, 94. exciting, 95. flee, 96. dock, 97. instrument, 98. afford

99. 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

100. He \_\_\_\_\_ hypotheses that no mathematician has ever imagined before.

- v.* to build or create something; to assemble or combine different parts to form something whole

101. The \_\_\_\_\_ party strongly disagreed with the government's proposed legislation.

- n.* the act of disagreeing or resisting; the state of strong disagreement

102. Several cities are experiencing \_\_\_\_\_ high unemployment rates.

- adv.* in a way that is very difficult to believe; exceedingly or extremely

103. Aging societies tend to require huge costs for \_\_\_\_\_ maintenance.

- n.* the basic systems, services, or features that are necessary for an organization or country, such as transport and power supplies

104. Her job was \_\_\_\_\_ and comfortable, with little pressure or stress.

- adj.* comfortable, easy, and lacking hardship or effort; undemanding; luxurious

105. Please \_\_\_\_\_ my water glass when you have a chance.

- v.* to replenish a container with a substance that it previously held; to top up a supply or amount of something

106. The shuttle \_\_\_\_\_ trained for months before embarking on the space mission.

- n.* a person trained by a space agency to travel outside the Earth's atmosphere

ANSWERS: 99. planet, 100. constructs, 101. opposition, 102. incredibly, 103. infrastructure, 104. cushy, 105. refill, 106. astronaut

107. The company is planning to make a \_\_\_\_\_ expansion of its factory.

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

108. The \_\_\_\_\_ for the rocket launch included several satellites and scientific instruments.

*n.* the amount of cargo or goods that a vehicle or equipment is designed to carry or transport; in computing, the amount of data that can be transmitted over a communication system

109. The senator received \_\_\_\_\_ criticism from his opponent.

*adj.* extremely serious or bad in feeling, manner, or strict and harsh; extremely strong or vigorous

110. Frugality and industry are still \_\_\_\_\_ as virtues.

*v.* to think about or consider somebody or something in a specified way

111. The human-crewed \_\_\_\_\_ successfully landed on the moon, fulfilling its mission.

*n.* a vehicle designed to travel through space, typically carrying astronauts or scientific instruments

112. The doctor's \_\_\_\_\_ in monitoring patients' progress contributed to their speedy recovery.

*n.* careful and persistent effort or work; conscientiousness in performing one's duties or responsibilities

113. The astronaut felt weightless in space due to the absence of \_\_\_\_\_.

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

ANSWERS: 107. large-scale, 108. payload, 109. severe, 110. regarded, 111. spacecraft, 112. diligence, 113. gravity

114. It's important to practice \_\_\_\_\_ when it comes to spending money.

- n.* a measure taken to prevent someone or something from acting freely or excessively; self-control or moderation; a physical device used to restrict or limit movement

115. The \_\_\_\_\_ across the river offers a convenient transportation option for commuters.

- n.* a boat or ship used to transport people, vehicles, or goods across a body of water, especially on a regular schedule

116. The curtain rose to \_\_\_\_\_ a fantastic set.

- v.* to make something, such as secret or new information, known publicly

117. She filled a \_\_\_\_\_ with water and carried it back to the house.

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

118. The new amusement park ride was \_\_\_\_\_ with twists, turns, and drops that left riders screaming with excitement.

- adj.* extremely good; excellent

119. The phone rang at the most \_\_\_\_\_ time.

- adj.* suitable or happening at a time that is suitable or convenient for a particular purpose

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

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

121. The car's front bumper cost fifteen hundred \_\_\_\_\_.

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

ANSWERS: 114. restraint, 115. ferry, 116. disclose, 117. bucket, 118. fantastic, 119. opportune, 120. aim, 121. pounds

122. He called for a careful \_\_\_\_\_ of the consequences.

*n.* the activity of searching and finding out about something through a place

123. Our plan includes a comprehensive marketing \_\_\_\_\_.

*n.* a detailed plan of action designed to achieve a long-term or overall goal.

124. This country \_\_\_\_\_ its weapons in the east region.

*v.* to move troops or weapons into a position or military action; to bring into something in an effective way

125. The city is known for its impressive \_\_\_\_\_ and beautiful old buildings.

*n.* the art and science of designing and constructing buildings

126. He \_\_\_\_\_ the game so he could win the prize.

*v.* to prepare or set up something in a certain way, typically in a carefully planned or fraudulent manner; to equip with sails or masts

127. The military \_\_\_\_\_ disappeared without a trace.

*n.* a type of underwater vehicle or vessel that can operate beneath the surface of the water; (adjective) beneath the surface of the sea

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

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

129. \_\_\_\_\_ amounts of heckling and slogan-shouting took place throughout the event.

*adj.* never having been seen, done, or known before

130. The surgeon removed the tumor using \_\_\_\_\_ video assistance.

*adj.* of or relating to mechanical robots; (robotics) the interdisciplinary branch of computer science and engineering with the practical use of robots

ANSWERS: 122. exploration, 123. strategy, 124. deployed, 125. architecture, 126. rigged, 127. submarine, 128. faint, 129. Unprecedented, 130. robotic

131. The scratches on the car \_\_\_\_\_ its otherwise perfect appearance.  
*v.* to damage or spoil the appearance or surface of something
132. An \_\_\_\_\_ spacecraft was sent to Mars to explore the red planet.  
*adj.* operated or functioning without the presence or support of a crew or human operator; unmanned
133. The \_\_\_\_\_ moon Europa is believed to have an ocean beneath its icy surface.  
*adj.* relating to Jupiter or its characteristics
134. It is a \_\_\_\_\_ in many families to have a big Thanksgiving dinner with all their relatives.  
*n.* a belief, custom, or way of doing something that has been passed down from generation to generation within a group or society
135. Her response revealed \_\_\_\_\_ idiocy.  
*adj.* unbelievable; enormous
136. The \_\_\_\_\_ plants need to be pollinated by local insects.  
*adj.* someone or something that is native to or occurring naturally in a particular place
137. Navigators still use the Little Bear \_\_\_\_\_ at sea.  
*n.* a group of stars that form a recognizable pattern and have a name; a group of related or similar ideas, things, or people
138. Use italics or capitals to \_\_\_\_\_ a word in a piece of writing.  
*v.* to give or show particular importance to something

ANSWERS: 131. marred, 132. uncrewed, 133. Jovian, 134. tradition, 135. incredible, 136. indigenous, 137. constellation, 138. emphasize

ANSWERS: