

# Englist.me



## Vocabulary Builder Reference from...

*Eric Hinterman: How going to Mars improves life on Earth | TED Talk*

[https://www.ted.com/talks/eric\\_hinterman\\_how\\_going\\_to\\_mars\\_improves\\_life\\_on\\_earth](https://www.ted.com/talks/eric_hinterman_how_going_to_mars_improves_life_on_earth)

### All Words

#### IMPORTANT

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

## Session 1: Word List

- 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.
- achieve**
- v. to successfully complete a task or goal, often through hard work, perseverance, and dedication; to attain or accomplish something that one has set out to do
- synonym*: accomplish, attain, reach
- (1) **achieve** success, (2) **achieve** milestones
- I will work hard to **achieve** my goals and realize my dreams.
- 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.
- 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**.

## vacation

*n.* a period in which someone does not have to attend work or school and is free to do whatever they choose, such as travel or leisure

*synonym* : leave, recess, break

(1) a short **vacation**, (2) summer **vacation**

Do you have a plan for a long **vacation**?

## deserted

*adj.* empty or abandoned; lacking inhabitants or visitors; left alone or left behind

*synonym* : abandoned, empty, vacated

(1) **deserted** city, (2) **deserted** island

The **deserted** street was quiet and eerie, with no signs of life.

## 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.

## atmosphere

*n.* the mass of air that surrounds the Earth; the pervading tone or mood of a place, situation, or creative work

*synonym* : air, ambiance, circumstances

(1) carbon dioxide in the **atmosphere**, (2) a convivial **atmosphere**

The spaceship began to burn up as it approached the Earth's **atmosphere**.

## temperature

*n.* the degree of hotness or coldness of a thing or place

*synonym* : climate, warmth, degree

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

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

## deplete

*v.* to reduce something, especially supplies of energy, money, etc., by a large amount; to use up resources or materials

*synonym*: exhaust, consume, use up

(1) **deplete** customer confidence, (2) **deplete** glycogen stores

If we continue to **deplete** the Earth's natural resources, we will cause severe damage to the environment.

## 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**.

## radiation

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

*synonym*: dissemination, emission, irradiation

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

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

## settle

*v.* to reach an agreement of disagreement

*synonym*: inhabit, occupy, decide

(1) **settle** a dispute, (2) **settle** down in the town

I don't want to **settle** for second best.

## solar

*adj.* of, from, or relating to the sun

(1) the **solar** system, (2) a **solar** eclipse

**Solar** panels have greatly improved not only in performance

but also in durability.

## 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.

## 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.

## perseverance

*n.* steadfastness in doing something despite difficulty or delay in achieving success

*synonym*: persistence, tenacity, determination

(1) unwavering **perseverance**, (2) dogged **perseverance**

Despite facing numerous setbacks and obstacles, his **perseverance** and determination led him to success.

## 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.

## fortunate

*adj.* having good luck or lucky

*synonym*: fortuitous, lucky, blessed

(1) **fortunate** situation, (2) less **fortunate** person

He was pretty **fortunate** to pass the exam.

## experiment

*n.* the scientific test conducted to observe what happens and gain new knowledge

*synonym*: experimentation, investigation

(1) **experiment** design, (2) series of **experiments**

His **experiments** showed highly positive results.

## 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.

## acronym

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

*synonym*: abbreviation, initialism, shortcut

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

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

## decision

*n.* the act or process of making up someone's mind about something; a choice or judgment reached after considering options

*synonym*: choice, determination, judgment

(1) **decision** authority, (2) a selfish **decision**

She was struggling to make a **decision** between two job offers.

## carbon

*n.* a chemical element that can be found in pure form as diamond or graphite, and it is also an essential part of coal and oil and is found in all plants and animals

(1) **carbon** dioxide, (2) **carbon** emission

Trees absorb **carbon** dioxide and give off oxygen.

## oxide

*n.* a chemical compound that contains at least one oxygen atom and one other element

(1) silver **oxide**, (2) combined **oxide**

The blood's red coloring comes from iron **oxide**.

## convert

*v.* to have a talk with someone; (adjective) reversed in order, relation, or action

*synonym*: alter, remake, transform

(1) **convert** fat into energy, (2) **convert** base 10 to base 16

I want to **convert** my sadness into strength.

## photosynthesis

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

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

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

## 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.

## 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.

## 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.

## 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.

## 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.

## isolate

*v.* to physically or socially separate someone or something from other people or things

*synonym*: separate, sequester, insulate

(1) **isolate** a compound, (2) **isolate** a patient

You should not **isolate** them from the community.

## generation

*n.* all the people born and living at about the same time, regarded collectively; the production of heat or electricity

*synonym*: cohort, age group, era

(1) **generation** gap, (2) the **generation** of electricity

The younger **generation** has different values and beliefs than the older one.

## 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.

## expedition

*n.* a journey or voyage for a specific purpose

*synonym* : journey, trip, voyage

(1) **expedition** team, (2) a polar **expedition**

The **expedition** to the Amazon jungle was both exciting and challenging.

## volcano

*n.* a mountain or hill, typically conical, having a crater or vent through which lava, rock fragments, hot vapor, and gas are or have been erupted from the earth's crust.

*synonym* : mount, peak, crater

(1) **volcano** alert level, (2) active **volcano**

The island was formed by a **volcano** millions of years ago.

## initially

*adv.* at the beginning; at first

*synonym* : originally, primarily, firstly

(1) **initially** anticipated, (2) diagnosed **initially** as a tumor

This train departed later than **initially** scheduled.

## erupt

*v.* (of a volcano) to become active and eject rocks, smoke, etc.; to start abruptly and violently

*synonym* : eject, emit, burst

(1) **erupt** in anger, (2) **erupt** into tears

Battles between whites and blacks **erupted** immediately.

## wipe

*v.* to clean or dry something by rubbing with a piece of cloth or paper or one's hand and removing dirt, food, or liquid

*synonym* : clean, brush, swab

(1) **Wipe** off dirt, (2) **wipe** with water

Please **wipe** your sweat with this towel.

## leap

*v.* to jump or spring into the air, often with the feet leaving the ground or a surface below; to move quickly or suddenly, often forward or upward

*synonym* : jump, bound, hop

(1) **leap** to a conclusion, (2) **leap** of faith

The athlete was able to **leap** over the hurdle with ease.



## vent

*n.* a small opening to escape or release gas, air, liquid, etc.; activity or process that frees or expresses strong creative energy or emotion

*synonym* : duct, outlet, venthole

(1) volcanic **vent**, (2) **vent** tube

He gave **vent** to his anger by playing the guitar.

## bronze

*n.* a dark red-brown metal that is created by combining copper and tin

(1) win **bronze**, (2) **bronze** coin

The statue is made of **bronze**.

## erase

*v.* to remove something completely, especially by rubbing it

*synonym* : wipe out, delete, obliterate

(1) **erase** a memory, (2) **erased** the files

He attempted to **erase** the misspelled word.

## settlement

*n.* an official agreement that brings an argument to a close; the process of establishing permanent residence in a place.

*synonym* : agreement, accommodation, colonization

(1) the **settlement** of a dispute, (2) **settlement** in a new house

Our goal must be to achieve a peaceful **settlement**.

## 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**.

## induce

*v.* to persuade someone to do something; to cause to act in a specific manner

*synonym* : cause, encourage, persuade

(1) **induce** a crisis, (2) **induce** him to see a doctor

The lack of sleep **induces** both physical and psychological diseases.

## asteroid

*n.* a small rocky body orbiting the sun, typically in the region between Mars and Jupiter

*synonym* : minor planet, planetoid, rocky planetesimal

(1) **asteroid** mining, (2) **asteroid** explorer

Scientists are studying the composition and origins of the **asteroid** belt to understand the early solar system better.

## collision

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

*synonym* : crash, impact, smash

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

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

## gamma

*n.* the third letter of the Greek alphabet; a type of radiation having the shortest wavelength and highest energy of electromagnetic waves

*synonym* : ray, radiation, emission

(1) **gamma** radiation, (2) **gamma** particles

**Gamma** rays are a type of high-energy radiation that can be harmful to living organisms.

## ray

*n.* a narrow line of light, heat, or another form of energy

*synonym* : beam, light, glimmer

(1) opaque to X- **rays**, (2) effect of cosmic **rays**

Gamma **rays** penetrate body tissues and cause cell damage.

## magnetic

*adj.* having the properties of attracting or repelling certain materials containing iron or steel

*synonym* : attractive, drawing, hypnotic

(1) **magnetic** field, (2) a **magnetic** tape

The **magnetic** force of the earth keeps our planet spinning.

## pole

*n.* one of two antipodal points where the Earth's axis of rotation intersects the Earth's surface; a long, slender,

rounded rod, typically of wood or metal, used as a support or to hang something

*synonym* : rod, staff, shaft

(1) a fishing **pole**, (2) the plus **pole**

The North **Pole** is the northernmost point on Earth.

## reverse

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

*synonym* : overturn, shift, switch

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

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

## threaten

v. to utter intentions of injury or punishment against someone

*synonym* : endanger, terrorize, intimidate

(1) **threaten** a healthy relationship, (2) **threaten** national security

Various artificially induced causes are **threatening** our ecosystem.

## 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.

## odds

n. the degree or probability that a particular thing will or will not happen

*synonym* : chances, likelihoods, probabilities

(1) **odds** in favor, (2) **odds** of business

What are the **odds** that he will survive?

## insure

v. to provide coverage in the event of loss or damage

*synonym* : protect, guard, safeguard

(1) **insure** my house against fire, (2) **insure** domestic

tranquility

I will **insure** my car before I go on a road trip.

## preserve

*v.* to keep or maintain a particular quality, feature, etc., especially to prevent it from decaying, being damaged, or being destroyed

*synonym*: conserve, care for, maintain

(1) **preserve** my strength, (2) **preserve** a country's heritage  
They worked hard to **preserve** the nature of their native lands.

## 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.

## necessarily

*adv.* in an essential manner; in such a way as could not be otherwise

*synonym*: inevitable, certainly, automatically

(1) not **necessarily** a problem, (2) **necessarily** true  
This accident was something that happened **necessarily**.

## abandon

*v.* to leave a place, thing, or person with no intention of returning; (noun) a feeling of extreme emotional intensity

*synonym*: relinquish, leave behind, disregard

(1) **abandon** a friend, (2) **abandon** the practice  
The castle was **abandoned** several years later.

## chuck

*v.* to throw something carelessly or casually; to get rid of something or someone

*synonym*: toss, throw, discard

(1) **chuck** the ball across the yard, (2) **chuck** my job  
I will **chuck** these old shoes in the trash and buy a new pair.

## defeat

*v.* to win against somebody in a fight, war, or attempt  
*synonym*: conquer, beat, overpower

(1) **defeat** a global power, (2) **defeat** body odor

Despite his best efforts, he was unable to **defeat** the enemy.

## tremendous

*adj.* very great in degree or extent or amount or impact;  
extremely good

*synonym*: enormous, giant, immense

(1) **tremendous** amount, (2) **tremendous** popularity

We had a **tremendous** time yesterday.

## develop

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

*synonym*: evolve, progress, advance

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

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

## greatly

*adv.* to an extraordinary extent or degree; very much

*synonym*: enormously, broadly, grandly

(1) **greatly** affect the situation, (2) **greatly** support that player

They **greatly** admired our actions.

## far-reaching

*adj.* having a wide or significant impact or influence

*synonym*: extensive, widespread, broad

(1) achieve **far-reaching** reform, (2) **far-reaching** consequences

The **far-reaching** effects of the policy change are still being felt.

## origin

*n.* the first existence or beginning of something

*synonym*: root, source, ancestor

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

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

## limb

*n.* an arm and leg of a person or animal

*synonym*: arm, appendage, branch

(1) a prosthetic **limb**, (2) **limb** amputation

You should wrap the bandage carefully and firmly around the injured **limb**.

## smartphone

*n.* a mobile phone that functions as a computer and connects to the Internet

(1) **smartphone** app developer, (2) **smartphone** addict

Internet traffic volumes have increased significantly with the advent of **smartphones**.

## firefight

*n.* a struggle to extinguish a fire; a military engagement in which small arms and other weapons are used

*synonym*: battle, conflict, fight

(1) killed in a **firefight**, (2) turn into a **firefight**

The platoon experienced a full-scale **firefight**.

## equip

*v.* to provide a person or a place with the things that are needed for a particular purpose or activity

*synonym*: prepare, furnish, provide

(1) **equip** an army, (2) **equip** our children with some special skills

The construction company **equipped** the building with an earthquake-resistant device.

## formula

*n.* a group of symbols, letters, or numbers that represent a rule, law, or mathematical statement

*synonym*: expression, recipe, procedure

(1) structural **formula**, (2) a binomial **formula**

The teacher told the students to memorize the math **formula**.

## foam

*n.* a mass of small air bubbles formed on the surface of a liquid; a substance that forms a lather when mixed with water

*synonym* : froth, lather, bubble

(1) the **foam** on a beer, (2) plastics **foam** material

The waves crashed against the rocks, creating white **foam**.

## 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.

## surgery

*n.* medical treatment of injuries or diseases involving an incision with instruments and often removing or replacing some parts of the body; the branch of medical science that treats disease or injury by operative procedures

*synonym* : operation, (medical) procedure

(1) cardiac **surgery**, (2) the professor of **surgery**

He had undergone heart **surgery** years before.

## filter

*n.* any of several types of equipment or systems used to separate particles from liquids or gases or to remove specific forms of light

*synonym* : strainer

(1) gas **filter**, (2) clogged **filter**

Ozone is a primary **filter** to protect Earth's surface from harmful UV rays.

## scratch

*v.* to cut or damage the surface of something or the skin with a sharp or pointed object

*synonym* : claw, rub, scrape

(1) **scratch** off a name, (2) **scratch** my signature

Don't **scratch** your mosquito bites.

## resistant

*adj.* not affected by something, especially changes or new ideas; of or relating to immunity to disease or infection

*synonym* : unsusceptible, immune, invulnerable

(1) penicillin- **resistant** bacteria, (2) **resistant** to persuasion

Insects in urban areas are becoming **resistant** to insecticides.

## lens

*n.* a transparent optical device with curved sides, used in an optical instrument that makes objects seem larger, smaller, clearer, etc.; (metaphor) the basic thoughts or mindsets through which someone sees or understands the environment or situation

*synonym* : glass

(1) a convex **lens**, (2) a **lens** with a wide angle

The photographer took this photo using a telephoto **lens**.

## purify

*v.* to remove harmful substances from something and increase the concentration of it

*synonym* : refine, filter, clarify

(1) **purify** hydrogen gas, (2) **purify** the blood

The equipment is frequently used to **purify** and distribute drinking water.

## climate

*n.* the weather in a particular location averaged over some long period

*synonym* : atmosphere, weather, environment

(1) a cold **climate**, (2) effects of **climate** change

**Climate** and weather have an impact on every part of our lifestyles.

## pollution

*n.* the introduction of harmful substances or waste into the natural environment that causes adverse change

*synonym* : corrosion, deterioration, corruption

(1) environmental **pollution**, (2) high levels of air **pollution**

The **pollution** is endangering the local plants and animals.



## invention

*n.* the creation of a new device or process resulting from study and experimentation; the act of inventing

*synonym*: creation, design, innovation

(1) the **invention** of new techniques, (2) common **invention**

Necessity is the mother of **invention**.

## decide

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

*synonym*: choose, determine, settle

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

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

## grand

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

*synonym*: impressive, great, ambitious

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

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

## 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.

## giant

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

*synonym*: big, gigantic, huge

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

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

## spacefaring

*n.* the act or practice of traveling or exploring outer space, typically to advance scientific knowledge, develop new technologies, or establish a human presence beyond Earth; the ability to travel and explore space

*synonym*: space navigation, space exploration, spaceflight

(1) **spacefaring** nation, (2) the future of **spacefaring**

exploration

**Spacefaring** technology has allowed us to explore the vast expanse of the universe.

## president

*n.* the leader of a republic, for example, the US; the person in charge of the organization such as a company, university, club, etc.

*synonym*: leader, CEO, chairperson

(1) **president** emeritus, (2) vice- **president** for finance

The club **president** does not have absolute power.

## livable

*adj.* capable of being lived in comfortably and sustainably; suitable for human habitation

*synonym*: habitable, comfortable, pleasant

(1) **livable** city, (2) **livable** housing

Finding a safe and **livable** neighborhood is important when looking for a new place to live.

## improvisation

*n.* the act of making something up on the spot or creating or performing something without preparation

*synonym*: spontaneity, ad-lib, extemporization

(1) **improvisation** on stage, (2) jazz **improvisation**

He created a beautiful piece of music using only **improvisation**.

## quotation

*n.* a group of words taken from a text or speech and repeated by someone other than the original author or speaker

*synonym*: excerpt, passage, quote

(1) double **quotation** marks, (2) take a **quotation**

He included a **quotation** from the book in his essay.

## inspire

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

*synonym*: boost, encourage, enlighten

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

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

## imaginary

*adj.* existing only in someone's mind

*synonym*: fictional, ideal, fantastical

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

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

## nowhere

*adv.* not in, at, or to any place; not anywhere

(1) **nowhere** else to go, (2) come out of **nowhere**

I've been thinking all day and getting **nowhere**.

## birthplace

*n.* the house, town, etc., where someone was born

*synonym*: hometown, native place, origin

(1) ancestral **birthplaces**, (2) **birthplace** of modern soccer

The **birthplace** of civilization is a topic of much debate among historians.

## pandemic

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

*synonym*: outbreak

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

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

## vast

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

*synonym*: expansive, extended, boundless

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

A **vast** audience viewed the broadcast.

## galaxy

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

*synonym*: star cluster, nebula, star system

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

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

## invite

*v.* to ask someone to come or join; to offer an opportunity or possibility for something to happen or take place

*synonym* : ask, request, summon

(1) **invite** guests, (2) **invite** criticism

We want to **invite** you to our annual charity event.

## discovery

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

*synonym* : finding, uncovering, detection

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

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

## interstellar

*adj.* relating to or located in the space between stars

*synonym* : galactic, cosmic, intergalactic

(1) **interstellar** communication, (2) **interstellar** space

The **interstellar** medium comprises gas, dust, and cosmic rays that fill the space between stars.

## pal

*n.* a close friend

*synonym* : buddy, friend, chum

(1) baseball **pal**, (2) long-time **pal**

She is a pen **pal** of mine.

## canyon

*n.* a large deep valley with very steep sides of rock and usually formed by a river

*synonym* : gorge, valley, ravine

(1) twisty **canyon** road, (2) **canyon** of skyscrapers

The Grand **Canyon** has an awe-inspiring sight.

## titanic

*adj.* of or having a great size, power, or influence; of or relating to Titanium (= a light, strong grey, lustrous, corrosion-resistant metallic element)

*synonym* : colossal, massive, immense

(1) **titanic** battle, (2) **titanic** compound

The **titanic** ship sank on its maiden voyage.

## scuba

*n.* an acronym for Self-Contained Underwater Breathing Apparatus, a device used for underwater diving

*synonym*: diving gear, underwater equipment

(1) **scuba** diving class, (2) **scuba** gear

The **scuba** divers explored the coral reefs to learn more about the ecosystem.

## dive

*v.* to jump into the water with your head and arms going in first, or to move down to a deeper level underwater

*synonym*: dip, leap, plunge

(1) **dive** into anime communities, (2) **dive** off a cliff

The sperm whale can **dive** to 1,000 meters.

## 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.

## lifetime

*n.* the duration of someone's life or something's existence;

*synonym*: lifespan, duration

(1) **lifetime** benefits, (2) **lifetime** ban from the sport

She had lived through two world wars in her **lifetime**.

## eventually

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

*synonym*: finally, someday, ultimately

(1) **eventually** become obsolete, (2) **eventually** succeed

The corporation **eventually** dominated the entire tobacco business.

## engineer

*n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software

*synonym*: architect, creator, builder

(1) a civil **engineer**, (2) **engineer** shortage

The **engineer** will repair my telephone tomorrow morning.

## standpoint

*n.* a particular perspective or position from which something is viewed or considered; a point of view or opinion on a specific matter

*synonym*: viewpoint, perspective, opinion

(1) **standpoint** theory, (2) moral **standpoint**

From a marketing **standpoint**, this product may need to be more effective.

## importance

*n.* the quality of being important and worthy of note

*synonym*: significance, primacy, matter

(1) a man of **importance**, (2) high **importance**

I stopped by the branch though I have no business of **importance**.

## incredible

*adj.* unbelievable; enormous

*synonym*: unbelievable, fantastical, inconceivable

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

Her response revealed **incredible** idiocy.

## vision

*n.* the ability to think about or see the future with imagination and intelligence; the faculty of being able to see

*synonym*: sight, image, concept

(1) a prodigious **vision**, (2) telescopic **vision**

Driving is difficult for me because of my poor **vision**.

## enormous

*adj.* extremely large or great

*synonym*: huge, giant, gigantic

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

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

## pursue

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

*synonym* : seek, hunt, chase

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

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

## Session 2: Spelling

1. use an ac\_\_\_\_m  
*n.* a word formed from the first letter of each word in a phrase, such as NASA (National Aeronautics and Space Administration) or AIDS (Acquired Immune Deficiency Syndrome)
2. achieve far\_\_\_\_ing reform  
*adj.* having a wide or significant impact or influence
3. re\_\_\_\_e the order  
*v.* to change something's direction, order, position, decision, etc., to the opposite one; (adjective) directed or moving toward the rear
4. de\_\_\_\_on authority  
*n.* the act or process of making up someone's mind about something; a choice or judgment reached after considering options
5. er\_\_t into tears  
*v.* (of a volcano) to become active and eject rocks, smoke, etc.; to start abruptly and violently
6. ex\_\_\_\_ng football player  
*adj.* causing a lot of interest or excitement
7. er\_\_ed the files  
*v.* to remove something completely, especially by rubbing it
8. moral sta\_\_\_\_nt  
*n.* a particular perspective or position from which something is viewed or considered; a point of view or opinion on a specific matter
9. W\_\_e off dirt  
*v.* to clean or dry something by rubbing with a piece of cloth or paper or one's hand and removing dirt, food, or liquid

ANSWERS: 1. acronym, 2. far-reaching, 3. reverse, 4. decision, 5. erupt, 6. exciting, 7. erase, 8. standpoint, 9. wipe



10. high imp\_\_\_\_\_ce *n.* the quality of being important and worthy of note
11. opaque to X-r\_ys *n.* a narrow line of light, heat, or another form of energy
12. ma\_\_\_\_\_ic field *adj.* having the properties of attracting or repelling certain materials containing iron or steel
13. gas fi\_\_\_r *n.* any of several types of equipment or systems used to separate particles from liquids or gases or to remove specific forms of light
14. his majestic pr\_\_\_\_\_ce *n.* the fact or state that someone or something exists, occurs, or is present
15. sc\_\_\_\_\_h off a name *v.* to cut or damage the surface of something or the skin with a sharp or pointed object
16. vo\_\_\_\_\_o alert level *n.* a mountain or hill, typically conical, having a crater or vent through which lava, rock fragments, hot vapor, and gas are or have been erupted from the earth's crust.
17. m\_r a proper relationship *v.* to damage or spoil the appearance or surface of something
18. ro\_\_r mission *n.* a vehicle designed to travel over rough terrain, especially on the surface of a planet or moon
19. resource uti\_\_\_\_\_on *n.* the act or process of using something effectively or productively; the extent to which something is used

ANSWERS: 10. importance, 11. ray, 12. magnetic, 13. filter, 14. presence, 15. scratch, 16. volcano, 17. mar, 18. rover, 19. utilization

20. a scientific di\_\_\_\_\_ry *n.* the act or process of finding information, a place, or an object, or learning about something that was previously not known
21. l\_\_p of faith *v.* to jump or spring into the air, often with the feet leaving the ground or a surface below; to move quickly or suddenly, often forward or upward
22. d\_\_e into anime communities *v.* to jump into the water with your head and arms going in first, or to move down to a deeper level underwater
23. far\_\_\_\_\_ing consequences *adj.* having a wide or significant impact or influence
24. 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
25. o\_\_s in favor *n.* the degree or probability that a particular thing will or will not happen
26. exposure to ra\_\_\_\_\_on *n.* the energy that comes from a nuclear reaction in the form of rays, waves, or particles and that can be hazardous to health
27. im\_\_\_\_\_ry number *adj.* existing only in someone's mind
28. exploration of co\_\_\_\_\_s *n.* another name for the universe, mainly used when it is thought of as an ordered system
29. mil\_\_\_\_\_um bottle of wine *n.* a span of 1000 years, or the 1000th anniversary (plural: millennia)

ANSWERS: 20. discovery, 21. leap, 22. dive, 23. far-reaching, 24. gravity, 25. odds, 26. radiation, 27. imaginary, 28. cosmos, 29. millennium

30. at inc\_\_\_\_\_le speed *adj.* unbelievable; enormous
31. l\_\_p to a conclusion *v.* to jump or spring into the air, often with the feet leaving the ground or a surface below; to move quickly or suddenly, often forward or upward
32. achieve the hi\_\_\_\_\_ic feat *adj.* famous or significant in history, or potentially so
33. unwavering per\_\_\_\_\_nce *n.* steadfastness in doing something despite difficulty or delay in achieving success
34. twisty ca\_\_\_\_n road *n.* a large deep valley with very steep sides of rock and usually formed by a river
35. silver ox\_\_e *n.* a chemical compound that contains at least one oxygen atom and one other element
36. sc\_\_\_\_\_h my signature *v.* to cut or damage the surface of something or the skin with a sharp or pointed object
37. ro\_\_\_\_t fuel *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
38. de\_\_\_e on a course of action *v.* to make up someone's mind about something; to come to a conclusion or judgment after considering options
39. or\_\_\_\_n of information *n.* the first existence or beginning of something
40. de\_\_\_\_\_p a skill *v.* to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created

ANSWERS: 30. incredible, 31. leap, 32. historic, 33. perseverance, 34. canyon, 35. oxide, 36. scratch, 37. rocket, 38. decide, 39. origin, 40. develop

41. a fishing p\_\_e *n.* one of two antipodal points where the Earth's axis of rotation intersects the Earth's surface; a long, slender, rounded rod, typically of wood or metal, used as a support or to hang something
42. in\_\_\_e my house against fire *v.* to provide coverage in the event of loss or damage
43. v\_\_t desert *adj.* enormous in size, number, amount, or quantity
44. pu\_\_\_e freedoms *v.* to do something or attempt to attain something over time; to follow or seek someone or something, especially in trying to catch them
45. in\_\_\_e criticism *v.* to ask someone to come or join; to offer an opportunity or possibility for something to happen or take place
46. pu\_\_\_y the blood *v.* to remove harmful substances from something and increase the concentration of it
47. ca\_\_\_n of skyscrapers *n.* a large deep valley with very steep sides of rock and usually formed by a river
48. 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
49. 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

ANSWERS: 41. pole, 42. insure, 43. vast, 44. pursue, 45. invite, 46. purify, 47. canyon, 48. oxygen, 49. instrument

50. th\_\_\_\_en national security      *v.* to utter intentions of injury or punishment against someone
51. in\_\_\_\_e him to write a novel      *v.* to make somebody fill with the desire, confidence, or enthusiasm, especially to do something creative
52. nec\_\_\_\_ly true      *adv.* in an essential manner; in such a way as could not be otherwise
53. a convex l\_\_s      *n.* a transparent optical device with curved sides, used in an optical instrument that makes objects seem larger, smaller, clearer, etc.; (metaphor) the basic thoughts or mindsets through which someone sees or understands the environment or situation
54. ac\_\_\_\_e success      *v.* to successfully complete a task or goal, often through hard work, perseverance, and dedication; to attain or accomplish something that one has set out to do
55. less fo\_\_\_\_te person      *adj.* having good luck or lucky
56. the so\_\_r system      *adj.* of, from, or relating to the sun
57. en\_\_\_\_er shortage      *n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software
58. th\_\_\_\_en a healthy relationship      *v.* to utter intentions of injury or punishment against someone
59. in\_\_\_\_e a crisis      *v.* to persuade someone to do something; to cause to act in a specific manner
60. eq\_\_p an army      *v.* to provide a person or a place with the things that are needed for a particular purpose or activity

ANSWERS: 50. threaten, 51. inspire, 52. necessarily, 53. lens, 54. achieve, 55. fortunate, 56. solar, 57. engineer, 58. threaten, 59. induce, 60. equip

61. ca\_\_\_n emission *n.* a chemical element that can be found in pure form as diamond or graphite, and it is also an essential part of coal and oil and is found in all plants and animals
62. co\_\_\_\_\_on detection *n.* an instance of two or more objects or entities crashing into each other, usually resulting in damage, impact, or conflict
63. as\_\_\_\_\_id mining *n.* a small rocky body orbiting the sun, typically in the region between Mars and Jupiter
64. elliptic ga\_\_\_y *n.* an independent group of stars, interstellar gas, dark matter, etc., in the universe, bound together by gravity
65. m\_r the reputation *v.* to damage or spoil the appearance or surface of something
66. ti\_\_\_\_\_c battle *adj.* of or having a great size, power, or influence; of or relating to Titanium (= a light, strong grey, lustrous, corrosion-resistant metallic element)
67. co\_\_\_\_\_t base 10 to base 16 *v.* to have a talk with someone; (adjective) reversed in order, relation, or action
68. re\_\_\_\_\_nt to persuasion *adj.* not affected by something, especially changes or new ideas; of or relating to immunity to disease or infection
69. telescopic vi\_\_\_n *n.* the ability to think about or see the future with imagination and intelligence; the faculty of being able to see
70. v\_\_t majority *adj.* enormous in size, number, amount, or quantity

ANSWERS: 61. carbon, 62. collision, 63. asteroid, 64. galaxy, 65. mar, 66. titanic, 67. convert, 68. resistant, 69. vision, 70. vast

71. ac\_\_\_\_e milestones *v.* to successfully complete a task or goal, often through hard work, perseverance, and dedication; to attain or accomplish something that one has set out to do
72. d\_\_e off a cliff *v.* to jump into the water with your head and arms going in first, or to move down to a deeper level underwater
73. Jo\_\_\_\_n planet *adj.* relating to Jupiter or its characteristics
74. the professor of su\_\_\_\_y *n.* medical treatment of injuries or diseases involving an incision with instruments and often removing or replacing some parts of the body; the branch of medical science that treats disease or injury by operative procedures
75. sc\_\_a diving class *n.* an acronym for Self-Contained Underwater Breathing Apparatus, a device used for underwater diving
76. come out of no\_\_\_\_e *adv.* not in, at, or to any place; not anywhere
77. int\_\_\_\_lar communication *adj.* relating to or located in the space between stars
78. li\_\_\_\_me benefits *n.* the duration of someone's life or something's existence;
79. turn into a fi\_\_\_\_ht *n.* a struggle to extinguish a fire; a military engagement in which small arms and other weapons are used
80. electromagnetic ra\_\_\_\_on *n.* the energy that comes from a nuclear reaction in the form of rays, waves, or particles and that can be hazardous to health

ANSWERS: 71. achieve, 72. dive, 73. Jovian, 74. surgery, 75. scuba, 76. nowhere, 77. interstellar, 78. lifetime, 79. firefight, 80. radiation

81. a ma\_\_\_\_ic tape *adj.* having the properties of attracting or repelling certain materials containing iron or steel
82. the atmospheric tem\_\_\_\_\_re *n.* the degree of hotness or coldness of a thing or place
83. 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
84. process of pho\_\_\_\_\_sis *n.* the process through which plants and other organisms transform light energy into chemical energy, which is then released through cellular respiration to power the organism's activities.
85. im\_\_\_\_\_ry pregnancy *adj.* existing only in someone's mind
86. a binomial fo\_\_\_\_\_a *n.* a group of symbols, letters, or numbers that represent a rule, law, or mathematical statement
87. diagnosed in\_\_\_\_\_ly as a tumor *adv.* at the beginning; at first
88. de\_\_\_\_\_e customer confidence *v.* to reduce something, especially supplies of energy, money, etc., by a large amount; to use up resources or materials
89. l\_\_b amputation *n.* an arm and leg of a person or animal
90. series of exp\_\_\_\_\_nts *n.* the scientific test conducted to observe what happens and gain new knowledge
91. se\_\_\_e down in the town *v.* to reach an agreement of disagreement

ANSWERS: 81. magnetic, 82. temperature, 83. explore, 84. photosynthesis, 85. imaginary, 86. formula, 87. initially, 88. deplete, 89. limb, 90. experiment, 91. settle



92. a prodigious vi\_\_\_n *n.* the ability to think about or see the future with imagination and intelligence; the faculty of being able to see
93. ex\_\_\_\_\_ng news *adj.* causing a lot of interest or excitement
94. er\_\_t in anger *v.* (of a volcano) to become active and eject rocks, smoke, etc.; to start abruptly and violently
95. active vo\_\_\_\_\_o *n.* a mountain or hill, typically conical, having a crater or vent through which lava, rock fragments, hot vapor, and gas are or have been erupted from the earth's crust.
96. the great di\_\_\_\_\_ry of the century *n.* the act or process of finding information, a place, or an object, or learning about something that was previously not known
97. ch\_\_k the ball across the yard *v.* to throw something carelessly or casually; to get rid of something or someone
98. a short va\_\_\_\_\_on *n.* a period in which someone does not have to attend work or school and is free to do whatever they choose, such as travel or leisure
99. plastics f\_\_m material *n.* a mass of small air bubbles formed on the surface of a liquid; a substance that forms a lather when mixed with water
100. a civil en\_\_\_\_\_er *n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software

ANSWERS: 92. vision, 93. exciting, 94. erupt, 95. volcano, 96. discovery, 97. chuck, 98. vacation, 99. foam, 100. engineer

101. high levels of air po\_\_\_\_\_on      *n.* the introduction of harmful substances or waste into the natural environment that causes adverse change
102. flu pa\_\_\_\_\_ic      *n.* an outbreak of a disease that affects many people over a very wide area
103. pr\_\_\_\_\_nt emeritus      *n.* the leader of a republic, for example, the US; the person in charge of the organization such as a company, university, club, etc.
104. get inc\_\_\_\_\_ly insecure      *adv.* in a way that is very difficult to believe; exceedingly or extremely
105. pr\_\_\_\_\_ve my strength      *v.* to keep or maintain a particular quality, feature, etc., especially to prevent it from decaying, being damaged, or being destroyed
106. lunar ro\_\_r      *n.* a vehicle designed to travel over rough terrain, especially on the surface of a planet or moon
107. set\_\_\_\_\_nt in a new house      *n.* an official agreement that brings an argument to a close; the process of establishing permanent residence in a place.
108. re\_\_\_\_\_e the trend      *v.* to change something's direction, order, position, decision, etc., to the opposite one; (adjective) directed or moving toward the rear
109. sc\_\_a gear      *n.* an acronym for Self-Contained Underwater Breathing Apparatus, a device used for underwater diving

ANSWERS: 101. pollution, 102. pandemic, 103. president, 104. incredibly, 105. preserve, 106. rover, 107. settlement, 108. reverse, 109. scuba

110. in\_\_\_\_\_e a feeling of curiosity      *v.* to make somebody fill with the desire, confidence, or enthusiasm, especially to do something creative
111. gi\_\_t tech company      *adj.* enormous; much bigger or more important than similar items usually are
112. 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
113. bir\_\_\_\_\_ce of modern soccer      *n.* the house, town, etc., where someone was born
114. de\_\_\_t body odor      *v.* to win against somebody in a fight, war, or attempt
115. win br\_\_\_e      *n.* a dark red-brown metal that is created by combining copper and tin
116. a man of imp\_\_\_\_\_ce      *n.* the quality of being important and worthy of note
117. gi\_\_t trees      *adj.* enormous; much bigger or more important than similar items usually are
118. in\_\_\_\_\_ly anticipated      *adv.* at the beginning; at first
119. volcanic v\_\_t      *n.* a small opening to escape or release gas, air, liquid, etc.; activity or process that frees or expresses strong creative energy or emotion
120. a cold cl\_\_\_\_\_e      *n.* the weather in a particular location averaged over some long period
121. origin of the co\_\_\_s      *n.* another name for the universe, mainly used when it is thought of as an ordered system

ANSWERS: 110. inspire, 111. giant, 112. propellant, 113. birthplace, 114. defeat, 115. bronze, 116. importance, 117. giant, 118. initially, 119. vent, 120. climate, 121. cosmos

122. technology uti\_\_\_\_\_on *n.* the act or process of using something effectively or productively; the extent to which something is used
123. hi\_\_\_\_\_ic accomplishment *adj.* famous or significant in history, or potentially so
124. gr\_\_\_\_\_y support that player *adv.* to an extraordinary extent or degree; very much
125. a convivial atm\_\_\_\_\_re *n.* the mass of air that surrounds the Earth; the pervading tone or mood of a place, situation, or creative work
126. 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
127. global pa\_\_\_\_\_ic *n.* an outbreak of a disease that affects many people over a very wide area
128. de\_\_\_\_\_ed island *adj.* empty or abandoned; lacking inhabitants or visitors; left alone or left behind
129. summer va\_\_\_\_\_on *n.* a period in which someone does not have to attend work or school and is free to do whatever they choose, such as travel or leisure
130. imp\_\_\_\_\_ion on stage *n.* the act of making something up on the spot or creating or performing something without preparation
131. ab\_\_\_\_\_n a friend *v.* to leave a place, thing, or person with no intention of returning; (noun) a feeling of extreme emotional intensity

ANSWERS: 122. utilization, 123. historic, 124. greatly, 125. atmosphere, 126. propellant, 127. pandemic, 128. deserted, 129. vacation, 130. improvisation, 131. abandon

132. se\_\_\_e a dispute *v.* to reach an agreement of disagreement
133. racial or\_\_\_n *n.* the first existence or beginning of something
134. pu\_\_\_y hydrogen gas *v.* to remove harmful substances from something and increase the concentration of it
135. a so\_\_\_r eclipse *adj.* of, from, or relating to the sun
136. gr\_\_\_\_y affect the situation *adv.* to an extraordinary extent or degree; very much
137. come into co\_\_\_\_\_on with my friend *n.* an instance of two or more objects or entities crashing into each other, usually resulting in damage, impact, or conflict
138. su\_\_\_\_\_al food *n.* the state of continuing to exist or live, frequently in the face of difficulty or danger
139. de\_\_\_\_\_p a strategy *v.* to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created
140. no\_\_\_\_\_e else to go *adv.* not in, at, or to any place; not anywhere
141. combined ox\_\_e *n.* a chemical compound that contains at least one oxygen atom and one other element
142. exp\_\_\_\_\_nt design *n.* the scientific test conducted to observe what happens and gain new knowledge
143. past mil\_\_\_\_\_um *n.* a span of 1000 years, or the 1000th anniversary (plural: millennia)

ANSWERS: 132. settle, 133. origin, 134. purify, 135. solar, 136. greatly, 137. collision, 138. survival, 139. develop, 140. nowhere, 141. oxide, 142. experiment, 143. millennium

144. a gr\_\_d meal *adj.* important and large in size, scope, or extent
145. the set\_\_\_\_\_nt of a dispute *n.* an official agreement that brings an argument to a close; the process of establishing permanent residence in a place.
146. is\_\_\_\_\_e a patient *v.* to physically or socially separate someone or something from other people or things
147. fo\_\_\_\_\_te situation *adj.* having good luck or lucky
148. vice-pr\_\_\_\_\_nt for finance *n.* the leader of a republic, for example, the US; the person in charge of the organization such as a company, university, club, etc.
149. en\_\_\_\_\_us amount *adj.* extremely large or great
150. an Arctic exp\_\_\_\_\_on *n.* the activity of searching and finding out about something through a place
151. 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
152. 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
153. effects of cl\_\_\_\_\_e change *n.* the weather in a particular location averaged over some long period
154. 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

ANSWERS: 144. grand, 145. settlement, 146. isolate, 147. fortunate, 148. president, 149. enormous, 150. exploration, 151. gravity, 152. rocket, 153. climate, 154. planet

155. a prosthetic l\_\_b *n.* an arm and leg of a person or animal
156. ancestral bir\_\_\_\_\_ces *n.* the house, town, etc., where someone was born
157. oxygenic pho\_\_\_\_\_sis *n.* the process through which plants and other organisms transform light energy into chemical energy, which is then released through cellular respiration to power the organism's activities.
158. effect of cosmic r\_ys *n.* a narrow line of light, heat, or another form of energy
159. 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
160. de\_\_\_\_\_ed city *adj.* empty or abandoned; lacking inhabitants or visitors; left alone or left behind
161. co\_\_\_\_\_t fat into energy *v.* to have a talk with someone; (adjective) reversed in order, relation, or action
162. w\_\_e with water *v.* to clean or dry something by rubbing with a piece of cloth or paper or one's hand and removing dirt, food, or liquid
163. penicillin-re\_\_\_\_\_nt bacteria *adj.* not affected by something, especially changes or new ideas; of or relating to immunity to disease or infection
164. spa\_\_\_\_\_ng nation *n.* the act or practice of traveling or exploring outer space, typically to advance scientific knowledge, develop new technologies, or establish a human presence beyond Earth; the ability to travel and explore space

ANSWERS: 155. limb, 156. birthplace, 157. photosynthesis, 158. ray, 159. instrument, 160. deserted, 161. convert, 162. wipe, 163. resistant, 164. spacefaring

165. the evidence of the pr____ce	<i>n.</i> the fact or state that someone or something exists, occurs, or is present
166. li____me ban from the sport	<i>n.</i> the duration of someone's life or something's existence;
167. o__s of business	<i>n.</i> the degree or probability that a particular thing will or will not happen
168. a selfish de____on	<i>n.</i> the act or process of making up someone's mind about something; a choice or judgment reached after considering options
169. br____e coin	<i>n.</i> a dark red-brown metal that is created by combining copper and tin
170. eve____ly succeed	<i>adv.</i> finally, particularly after a long time or a lot of struggle, complications, and so on
171. common in____on	<i>n.</i> the creation of a new device or process resulting from study and experimentation; the act of inventing
172. ad____e a cooperative relationship	<i>v.</i> to go or move forward; to develop in a positive way
173. in____e domestic tranquility	<i>v.</i> to provide coverage in the event of loss or damage
174. int____lar space	<i>adj.</i> relating to or located in the space between stars
175. tre____us popularity	<i>adj.</i> very great in degree or extent or amount or impact; extremely good
176. de____t a global power	<i>v.</i> to win against somebody in a fight, war, or attempt
177. sta____nt theory	<i>n.</i> a particular perspective or position from which something is viewed or considered; a point of view or opinion on a specific matter

ANSWERS: 165. presence, 166. lifetime, 167. odds, 168. decision, 169. bronze, 170. eventually, 171. invention, 172. advance, 173. insure, 174. interstellar, 175. tremendous, 176. defeat, 177. standpoint



178. not nec\_\_\_\_\_ly a problem *adv.* in an essential manner; in such a way as could not be otherwise
179. pu\_\_\_e a goal *v.* to do something or attempt to attain something over time; to follow or seek someone or something, especially in trying to catch them
180. sma\_\_\_\_\_ne app developer *n.* a mobile phone that functions as a computer and connects to the Internet
181. jazz imp\_\_\_\_\_ion *n.* the act of making something up on the spot or creating or performing something without preparation
182. a ga\_\_\_y of famous actors *n.* an independent group of stars, interstellar gas, dark matter, etc., in the universe, bound together by gravity
183. inc\_\_\_\_\_le amount *adj.* unbelievable; enormous
184. take a qu\_\_\_\_\_on *n.* a group of words taken from a text or speech and repeated by someone other than the original author or speaker
185. pr\_\_\_\_\_ve a country's heritage *v.* to keep or maintain a particular quality, feature, etc., especially to prevent it from decaying, being damaged, or being destroyed
186. carbon dioxide in the atm\_\_\_\_\_re *n.* the mass of air that surrounds the Earth; the pervading tone or mood of a place, situation, or creative work
187. baseball p\_l *n.* a close friend
188. li\_\_\_\_\_e housing *adj.* capable of being lived in comfortably and sustainably; suitable for human habitation

ANSWERS: 178. necessarily, 179. pursue, 180. smartphone, 181. improvisation, 182. galaxy, 183. incredible, 184. quotation, 185. preserve, 186. atmosphere, 187. pal, 188. livable

189. is\_\_\_\_\_e a compound      *v.* to physically or socially separate someone or something from other people or things
190. ga\_\_a particles      *n.* the third letter of the Greek alphabet; a type of radiation having the shortest wavelength and highest energy of electromagnetic waves
191. en\_\_\_\_\_us potential      *adj.* extremely large or great
192. extreme tem\_\_\_\_\_res      *n.* the degree of hotness or coldness of a thing or place
193. clogged fi\_\_\_\_r      *n.* any of several types of equipment or systems used to separate particles from liquids or gases or to remove specific forms of light
194. in\_\_\_\_e him to see a doctor      *v.* to persuade someone to do something; to cause to act in a specific manner
195. 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
196. in\_\_\_\_e guests      *v.* to ask someone to come or join; to offer an opportunity or possibility for something to happen or take place
197. gr\_\_d bargain      *adj.* important and large in size, scope, or extent
198. eq\_\_p our children with some special skills      *v.* to provide a person or a place with the things that are needed for a particular purpose or activity
199. dogged per\_\_\_\_\_nce      *n.* steadfastness in doing something despite difficulty or delay in achieving success

ANSWERS: 189. isolate, 190. gamma, 191. enormous, 192. temperature, 193. filter, 194. induce, 195. planet, 196. invite, 197. grand, 198. equip, 199. perseverance

200. future of space exp\_\_\_\_\_on      *n.* the activity of searching and finding out about something through a place
201. gen\_\_\_\_\_on gap      *n.* all the people born and living at about the same time, regarded collectively; the production of heat or electricity
202. the future of spa\_\_\_\_\_ng exploration      *n.* the act or practice of traveling or exploring outer space, typically to advance scientific knowledge, develop new technologies, or establish a human presence beyond Earth; the ability to travel and explore space
203. su\_\_\_\_\_al ability      *n.* the state of continuing to exist or live, frequently in the face of difficulty or danger
204. the gen\_\_\_\_\_on of electricity      *n.* all the people born and living at about the same time, regarded collectively; the production of heat or electricity
205. cardiac su\_\_\_\_\_y      *n.* medical treatment of injuries or diseases involving an incision with instruments and often removing or replacing some parts of the body; the branch of medical science that treats disease or injury by operative procedures
206. v\_\_t tube      *n.* a small opening to escape or release gas, air, liquid, etc.; activity or process that frees or expresses strong creative energy or emotion
207. ab\_\_\_\_\_n the practice      *v.* to leave a place, thing, or person with no intention of returning; (noun) a feeling of extreme emotional intensity

ANSWERS: 200. exploration, 201. generation, 202. spacefaring, 203. survival, 204. generation, 205. surgery, 206. vent, 207. abandon

208. a l\_\_s with a wide angle *n.* a transparent optical device with curved sides, used in an optical instrument that makes objects seem larger, smaller, clearer, etc.; (metaphor) the basic thoughts or mindsets through which someone sees or understands the environment or situation
209. inc\_\_\_\_\_ly cheerful character *adv.* in a way that is very difficult to believe; exceedingly or extremely
210. structural fo\_\_\_\_\_a *n.* a group of symbols, letters, or numbers that represent a rule, law, or mathematical statement
211. double qu\_\_\_\_\_on marks *n.* a group of words taken from a text or speech and repeated by someone other than the original author or speaker
212. sma\_\_\_\_\_ne addict *n.* a mobile phone that functions as a computer and connects to the Internet
213. 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
214. ti\_\_\_\_\_c compound *adj.* of or having a great size, power, or influence; of or relating to Titanium (= a light, strong grey, lustrous, corrosion-resistant metallic element)
215. long-time p\_l *n.* a close friend
216. li\_\_\_\_\_e city *adj.* capable of being lived in comfortably and sustainably; suitable for human habitation

ANSWERS: 208. lens, 209. incredibly, 210. formula, 211. quotation, 212. smartphone, 213. universe, 214. titanic, 215. pal, 216. livable

217. ga\_\_a radiation *n.* the third letter of the Greek alphabet; a type of radiation having the shortest wavelength and highest energy of electromagnetic waves
218. killed in a fi\_\_\_\_\_ht *n.* a struggle to extinguish a fire; a military engagement in which small arms and other weapons are used
219. as\_\_\_\_\_id explorer *n.* a small rocky body orbiting the sun, typically in the region between Mars and Jupiter
220. exp\_\_\_\_\_on team *n.* a journey or voyage for a specific purpose
221. 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
222. ca\_\_\_n dioxide *n.* a chemical element that can be found in pure form as diamond or graphite, and it is also an essential part of coal and oil and is found in all plants and animals
223. de\_\_\_e a question *v.* to make up someone's mind about something; to come to a conclusion or judgment after considering options
224. the in\_\_\_\_\_on of new techniques *n.* the creation of a new device or process resulting from study and experimentation; the act of inventing
225. eve\_\_\_\_\_ly become obsolete *adv.* finally, particularly after a long time or a lot of struggle, complications, and so on
226. ch\_\_k my job *v.* to throw something carelessly or casually; to get rid of something or someone

ANSWERS: 217. gamma, 218. firefight, 219. asteroid, 220. expedition, 221. oxygen, 222. carbon, 223. decide, 224. invention, 225. eventually, 226. chuck

227. environmental po\_\_\_\_\_on *n.* the introduction of harmful substances or waste into the natural environment that causes adverse change
228. Jo\_\_\_n satellites *adj.* relating to Jupiter or its characteristics
229. er\_\_\_e a memory *v.* to remove something completely, especially by rubbing it
230. the f\_\_\_m on a beer *n.* a mass of small air bubbles formed on the surface of a liquid; a substance that forms a lather when mixed with water
231. ac\_\_\_\_\_m definition *n.* a word formed from the first letter of each word in a phrase, such as NASA (National Aeronautics and Space Administration) or AIDS (Acquired Immune Deficiency Syndrome)
232. the plus p\_\_\_e *n.* one of two antipodal points where the Earth's axis of rotation intersects the Earth's surface; a long, slender, rounded rod, typically of wood or metal, used as a support or to hang something
233. ad\_\_\_\_\_e the technology *v.* to go or move forward; to develop in a positive way
234. de\_\_\_\_\_e glycogen stores *v.* to reduce something, especially supplies of energy, money, etc., by a large amount; to use up resources or materials
235. 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

ANSWERS: 227. pollution, 228. Jovian, 229. erase, 230. foam, 231. acronym, 232. pole, 233. advance, 234. deplete, 235. explore

236. tre\_\_\_\_\_us amount

*adj.* very great in degree or extent or amount or impact; extremely good

237. a polar exp\_\_\_\_\_on

*n.* a journey or voyage for a specific purpose

238. 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

ANSWERS: 236. tremendous, 237. expedition, 238. universe

## Session 3: Fill in the Blanks

1. The Milky Way \_\_\_\_\_ has numerous water-bearing planets.  
*n.* an independent group of stars, interstellar gas, dark matter, etc., in the universe, bound together by gravity
2. The findings of the experiment were both \_\_\_\_\_ and unexpected.  
*adj.* causing a lot of interest or excitement
3. Finding a safe and \_\_\_\_\_ neighborhood is important when looking for a new place to live.  
*adj.* capable of being lived in comfortably and sustainably; suitable for human habitation
4. The island was formed by a \_\_\_\_\_ millions of years ago.  
*n.* a mountain or hill, typically conical, having a crater or vent through which lava, rock fragments, hot vapor, and gas are or have been erupted from the earth's crust.
5. 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
6. 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
7. I want to \_\_\_\_\_ my sadness into strength.  
*v.* to have a talk with someone; (adjective) reversed in order, relation, or action

ANSWERS: 1. galaxy, 2. exciting, 3. livable, 4. volcano, 5. oxygen, 6. utilization, 7. convert



8. He gave \_\_\_\_\_ to his anger by playing the guitar.  
*n.* a small opening to escape or release gas, air, liquid, etc.; activity or process that frees or expresses strong creative energy or emotion
9. I will \_\_\_\_\_ these old shoes in the trash and buy a new pair.  
*v.* to throw something carelessly or casually; to get rid of something or someone
10. The waves crashed against the rocks, creating white \_\_\_\_\_.  
*n.* a mass of small air bubbles formed on the surface of a liquid; a substance that forms a lather when mixed with water
11. What are the \_\_\_\_\_ that he will survive?  
*n.* the degree or probability that a particular thing will or will not happen
12. He called for a careful \_\_\_\_\_ of the consequences.  
*n.* the activity of searching and finding out about something through a place
13. The \_\_\_\_\_ street was quiet and eerie, with no signs of life.  
*adj.* empty or abandoned; lacking inhabitants or visitors; left alone or left behind
14. Trees absorb \_\_\_\_\_ dioxide and give off oxygen.  
*n.* a chemical element that can be found in pure form as diamond or graphite, and it is also an essential part of coal and oil and is found in all plants and animals
15. He tried every possible treatment, including chemotherapy and \_\_\_\_\_ therapy.  
*n.* the energy that comes from a nuclear reaction in the form of rays, waves, or particles and that can be hazardous to health

ANSWERS: 8. vent, 9. chuck, 10. foam, 11. odds, 12. exploration, 13. deserted, 14. carbon, 15. radiation

16. In \_\_\_\_\_ plants use carbon dioxide to feed themselves.  
*n.* the process through which plants and other organisms transform light energy into chemical energy, which is then released through cellular respiration to power the organism's activities.
17. His \_\_\_\_\_ showed highly positive results.  
*n.* the scientific test conducted to observe what happens and gain new knowledge
18. Various artificially induced causes are \_\_\_\_\_ our ecosystem.  
*v.* to utter intentions of injury or punishment against someone
19. There are various hypotheses concerning the \_\_\_\_\_ of life.  
*n.* the first existence or beginning of something
20. The corporation \_\_\_\_\_ dominated the entire tobacco business.  
*adv.* finally, particularly after a long time or a lot of struggle, complications, and so on
21. The statue is made of \_\_\_\_\_.  
*n.* a dark red-brown metal that is created by combining copper and tin
22. 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
23. The \_\_\_\_\_ divers explored the coral reefs to learn more about the ecosystem.  
*n.* an acronym for Self-Contained Underwater Breathing Apparatus, a device used for underwater diving

ANSWERS: 16. photosynthesis, 17. experiments, 18. threatening, 19. origin, 20. eventually, 21. bronze, 22. cosmos, 23. scuba

24. Scientists are studying the composition and origins of the \_\_\_\_\_ belt to understand the early solar system better.
- n.* a small rocky body orbiting the sun, typically in the region between Mars and Jupiter
25. The scratches on the car \_\_\_\_\_ its otherwise perfect appearance.
- v.* to damage or spoil the appearance or surface of something
26. Our world is in the third \_\_\_\_\_.
- n.* a span of 1000 years, or the 1000th anniversary (plural: millennia)
27. I will work hard to \_\_\_\_\_ my goals and realize my dreams.
- v.* to successfully complete a task or goal, often through hard work, perseverance, and dedication; to attain or accomplish something that one has set out to do
28. The \_\_\_\_\_ medium comprises gas, dust, and cosmic rays that fill the space between stars.
- adj.* relating to or located in the space between stars
29. \_\_\_\_\_ rays are a type of high-energy radiation that can be harmful to living organisms.
- n.* the third letter of the Greek alphabet; a type of radiation having the shortest wavelength and highest energy of electromagnetic waves
30. 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
31. The Grand \_\_\_\_\_ has an awe-inspiring sight.
- n.* a large deep valley with very steep sides of rock and usually formed by a river

ANSWERS: 24. asteroid, 25. marred, 26. millennium, 27. achieve, 28. interstellar, 29. Gamma, 30. presence, 31. Canyon

32. Driving is difficult for me because of my poor \_\_\_\_\_.

- n.* the ability to think about or see the future with imagination and intelligence; the faculty of being able to see

33. He was pretty \_\_\_\_\_ to pass the exam.

- adj.* having good luck or lucky

34. The \_\_\_\_\_ will repair my telephone tomorrow morning.

- n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software

35. He attempted to \_\_\_\_\_ the misspelled word.

- v.* to remove something completely, especially by rubbing it

36. Her response revealed \_\_\_\_\_ idiocy.

- adj.* unbelievable; enormous

37. The construction company \_\_\_\_\_ the building with an earthquake-resistant device.

- v.* to provide a person or a place with the things that are needed for a particular purpose or activity

38. I will \_\_\_\_\_ my car before I go on a road trip.

- v.* to provide coverage in the event of loss or damage

39. She is a pen \_\_\_\_\_ of mine.

- n.* a close friend

40. If we continue to \_\_\_\_\_ the Earth's natural resources, we will cause severe damage to the environment.

- v.* to reduce something, especially supplies of energy, money, etc., by a large amount; to use up resources or materials

ANSWERS: 32. vision, 33. fortunate, 34. engineer, 35. erase, 36. incredible, 37. equipped, 38. insure, 39. pal, 40. deplete

41. \_\_\_\_\_ technology has allowed us to explore the vast expanse of the universe.
- n.* the act or practice of traveling or exploring outer space, typically to advance scientific knowledge, develop new technologies, or establish a human presence beyond Earth; the ability to travel and explore space
42. You should wrap the bandage carefully and firmly around the injured \_\_\_\_\_.
- n.* an arm and leg of a person or animal
43. She had lived through two world wars in her \_\_\_\_\_.
- n.* the duration of someone's life or something's existence;
44. She was struggling to make a \_\_\_\_\_ between two job offers.
- n.* the act or process of making up someone's mind about something; a choice or judgment reached after considering options
45. The Chinese people have accomplished several \_\_\_\_\_ feats.
- adj.* famous or significant in history, or potentially so
46. They fear a \_\_\_\_\_ of a new type of virus.
- n.* an outbreak of a disease that affects many people over a very wide area
47. I stopped by the branch though I have no business of \_\_\_\_\_.
- n.* the quality of being important and worthy of note
48. We want to \_\_\_\_\_ you to our annual charity event.
- v.* to ask someone to come or join; to offer an opportunity or possibility for something to happen or take place

ANSWERS: 41. Spacefaring, 42. limb, 43. lifetime, 44. decision, 45. historic, 46. pandemic, 47. importance, 48. invite

49. Ozone is a primary \_\_\_\_\_ to protect Earth's surface from harmful UV rays.  
*n.* any of several types of equipment or systems used to separate particles from liquids or gases or to remove specific forms of light
50. The North \_\_\_\_\_ is the northernmost point on Earth.  
*n.* one of two antipodal points where the Earth's axis of rotation intersects the Earth's surface; a long, slender, rounded rod, typically of wood or metal, used as a support or to hang something
51. We had a \_\_\_\_\_ time yesterday.  
*adj.* very great in degree or extent or amount or impact; extremely good
52. Scientific knowledge will \_\_\_\_\_ significantly with the power of AI.  
*v.* to go or move forward; to develop in a positive way
53. The \_\_\_\_\_ to the Amazon jungle was both exciting and challenging.  
*n.* a journey or voyage for a specific purpose
54. She couldn't \_\_\_\_\_ whether to order the pizza or the pasta for dinner.  
*v.* to make up someone's mind about something; to come to a conclusion or judgment after considering options
55. Don't \_\_\_\_\_ your mosquito bites.  
*v.* to cut or damage the surface of something or the skin with a sharp or pointed object
56. The \_\_\_\_\_ moon Europa is believed to have an ocean beneath its icy surface.  
*adj.* relating to Jupiter or its characteristics

ANSWERS: 49. filter, 50. Pole, 51. tremendous, 52. advance, 53. expedition, 54. decide, 55. scratch, 56. Jovian

57. Necessity is the mother of \_\_\_\_\_.
- n.* the creation of a new device or process resulting from study and experimentation; the act of inventing
58. Her research team made an important \_\_\_\_\_.
- n.* the act or process of finding information, a place, or an object, or learning about something that was previously not known
59. The lack of sleep \_\_\_\_\_ both physical and psychological diseases.
- v.* to persuade someone to do something; to cause to act in a specific manner
60. Please \_\_\_\_\_ your sweat with this towel.
- v.* to clean or dry something by rubbing with a piece of cloth or paper or one's hand and removing dirt, food, or liquid
61. The spaceship began to burn up as it approached the Earth's \_\_\_\_\_.
- n.* the mass of air that surrounds the Earth; the pervading tone or mood of a place, situation, or creative work
62. The blood's red coloring comes from iron \_\_\_\_\_.
- n.* a chemical compound that contains at least one oxygen atom and one other element
63. RADAR is an \_\_\_\_\_ for radio detection and ranging.
- n.* a word formed from the first letter of each word in a phrase, such as NASA (National Aeronautics and Space Administration) or AIDS (Acquired Immune Deficiency Syndrome)
64. 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

ANSWERS: 57. invention, 58. discovery, 59. induces, 60. wipe, 61. atmosphere, 62. oxide, 63. acronym, 64. planet

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

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

66. The castle was \_\_\_\_\_ several years later.

*v.* to leave a place, thing, or person with no intention of returning; (noun) a feeling of extreme emotional intensity

67. The teacher told the students to memorize the math \_\_\_\_\_.

*n.* a group of symbols, letters, or numbers that represent a rule, law, or mathematical statement

68. I've been thinking all day and getting \_\_\_\_\_.

*adv.* not in, at, or to any place; not anywhere

69. The equipment is frequently used to \_\_\_\_\_ and distribute drinking water.

*v.* to remove harmful substances from something and increase the concentration of it

70. He had undergone heart \_\_\_\_\_ years before.

*n.* medical treatment of injuries or diseases involving an incision with instruments and often removing or replacing some parts of the body; the branch of medical science that treats disease or injury by operative procedures

71. Insects in urban areas are becoming \_\_\_\_\_ to insecticides.

*adj.* not affected by something, especially changes or new ideas; of or relating to immunity to disease or infection

72. 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: 65. vast, 66. abandoned, 67. formula, 68. nowhere, 69. purify, 70. surgery, 71. resistant, 72. universe



73. The sperm whale can \_\_\_\_\_ to 1,000 meters.
- v.* to jump into the water with your head and arms going in first, or to move down to a deeper level underwater
74. They worked hard to \_\_\_\_\_ the nature of their native lands.
- v.* to keep or maintain a particular quality, feature, etc., especially to prevent it from decaying, being damaged, or being destroyed
75. This train departed later than \_\_\_\_\_ scheduled.
- adv.* at the beginning; at first
76. \_\_\_\_\_ and weather have an impact on every part of our lifestyles.
- n.* the weather in a particular location averaged over some long period
77. The photographer took this photo using a telephoto \_\_\_\_\_.
- n.* a transparent optical device with curved sides, used in an optical instrument that makes objects seem larger, smaller, clearer, etc.; (metaphor) the basic thoughts or mindsets through which someone sees or understands the environment or situation
78. From a marketing \_\_\_\_\_ this product may need to be more effective.
- n.* a particular perspective or position from which something is viewed or considered; a point of view or opinion on a specific matter
79. 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
80. The younger \_\_\_\_\_ has different values and beliefs than the older one.
- n.* all the people born and living at about the same time, regarded collectively; the production of heat or electricity

ANSWERS: 73. dive, 74. preserve, 75. initially, 76. Climate, 77. lens, 78. standpoint, 79. propellant, 80. generation

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

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

82. The unique style of this martial arts \_\_\_\_\_ many action film producers.

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

83. The \_\_\_\_\_ force of the earth keeps our planet spinning.

- adj.* having the properties of attracting or repelling certain materials containing iron or steel

84. This year's \_\_\_\_\_ gathering will be held in Canada.

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

85. The \_\_\_\_\_ effects of the policy change are still being felt.

- adj.* having a wide or significant impact or influence

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

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

87. Internet traffic volumes have increased significantly with the advent of \_\_\_\_\_.

- n.* a mobile phone that functions as a computer and connects to the Internet

88. Our goal must be to achieve a peaceful \_\_\_\_\_.

- n.* an official agreement that brings an argument to a close; the process of establishing permanent residence in a place.

ANSWERS: 81. develop, 82. inspired, 83. magnetic, 84. grand, 85. far-reaching, 86. collision, 87. smartphones, 88. settlement

89. Cities around the world set records for highest \_\_\_\_\_ this summer.  
*n.* the degree of hotness or coldness of a thing or place
90. 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
91. He included a \_\_\_\_\_ from the book in his essay.  
*n.* a group of words taken from a text or speech and repeated by someone other than the original author or speaker
92. This accident was something that happened \_\_\_\_\_.  
*adv.* in an essential manner; in such a way as could not be otherwise
93. The \_\_\_\_\_ is endangering the local plants and animals.  
*n.* the introduction of harmful substances or waste into the natural environment that causes adverse change
94. I don't want to \_\_\_\_\_ for second best.  
*v.* to reach an agreement of disagreement
95. 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
96. The \_\_\_\_\_ ship sank on its maiden voyage.  
*adj.* of or having a great size, power, or influence; of or relating to Titanium (= a light, strong grey, lustrous, corrosion-resistant metallic element)

ANSWERS: 89. temperatures, 90. gravity, 91. quotation, 92. necessarily, 93. pollution, 94. settle, 95. instrument, 96. titanic

97. Despite facing numerous setbacks and obstacles, his \_\_\_\_\_ and determination led him to success.

*n.* steadfastness in doing something despite difficulty or delay in achieving success

98. The athlete was able to \_\_\_\_\_ over the hurdle with ease.

*v.* to jump or spring into the air, often with the feet leaving the ground or a surface below; to move quickly or suddenly, often forward or upward

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

*adj.* extremely large or great

100. They \_\_\_\_\_ admired our actions.

*adv.* to an extraordinary extent or degree; very much

101. Little children tend to have \_\_\_\_\_ friends.

*adj.* existing only in someone's mind

102. Do you have a plan for a long \_\_\_\_\_

*n.* a period in which someone does not have to attend work or school and is free to do whatever they choose, such as travel or leisure

103. \_\_\_\_\_ panels have greatly improved not only in performance but also in durability.

*adj.* of, from, or relating to the sun

104. 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

ANSWERS: 97. perseverance, 98. leap, 99. enormous, 100. greatly, 101. imaginary, 102. vacation?, 103. Solar, 104. explore

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

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

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

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

107. You should not \_\_\_\_\_ them from the community.

- v.* to physically or socially separate someone or something from other people or things

108. He evaluated his chances for \_\_\_\_\_ rather pessimistically.

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

109. The club \_\_\_\_\_ does not have absolute power.

- n.* the leader of a republic, for example, the US; the person in charge of the organization such as a company, university, club, etc.

110. Battles between whites and blacks \_\_\_\_\_ immediately.

- v.* (of a volcano) to become active and eject rocks, smoke, etc.; to start abruptly and violently

111. 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

112. Gamma \_\_\_\_\_ penetrate body tissues and cause cell damage.

- n.* a narrow line of light, heat, or another form of energy

ANSWERS: 105. pursue, 106. giant, 107. isolate, 108. survival, 109. president, 110. erupted, 111. rocket, 112. rays

113. Despite his best efforts, he was unable to \_\_\_\_\_ the enemy.

*v.* to win against somebody in a fight, war, or attempt

114. The \_\_\_\_\_ of civilization is a topic of much debate among historians.

*n.* the house, town, etc., where someone was born

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

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

116. He created a beautiful piece of music using only \_\_\_\_\_.

*n.* the act of making something up on the spot or creating or performing something without preparation

117. The restaurant \_\_\_\_\_ a ban on smoking.

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

118. 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

119. The platoon experienced a full-scale \_\_\_\_\_.

*n.* a struggle to extinguish a fire; a military engagement in which small arms and other weapons are used

ANSWERS: 113. defeat, 114. birthplace, 115. incredibly, 116. improvisation, 117. reversed, 118. rover, 119. firefight