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Vocabulary Builder Reference from...

Lucianne Walkowicz: Let's not use Mars as a backup planet | TED Talk

https://www.ted.com/talks/lucianne_walkowicz_let_s_not_use_mars_as_a_backup_planet

All Words

IMPORTANT

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Session 1: Word List

tip

n. the top or extreme point of something slender or tapering, usually a mountain or hill; a piece of advice about something practical; a small amount of money given for services

synonym : edge, advice, gratuity

(1) the **tip** of a paintbrush, (2) give the waiter a **tip** .

I will introduce some **tips** on learning English in this class.

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.

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.

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.

context

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

synonym : background, setting, environment

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

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

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.

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**.

indicate

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

synonym : hint, suggest, show

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

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

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.

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.

subtle

adj. not readily apparent or visible

synonym : slight, nuanced, exquisite

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

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

dim

adj. poorly lit; not bright

synonym : dull, faint, weak

(1) **dim** and distant past, (2) **dim** memory

The **dim** light made it difficult to read the book.

rev

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

synonym : revolution, RPM, speed

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

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

distance

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

synonym : space, gap, span

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

The marathon runner covered a long **distance** in a short

amount of time.

rocky

adj. full of or abounding in rocks; of, relating to, or made of rock

synonym: stony, boulder-strewn, rough

(1) **rocky** terrain, (2) **rocky** relationship

The **rocky** road made it difficult to drive on.

terrestrial

adj. of or relating to the Earth; relating to or inhabiting the land or the ground as opposed to the sea or air

synonym: earthy, earthborn, telluric

(1) **terrestrial** planets, (2) **terrestrial** heat

Terrestrial longitude is measured in degrees east or west of the Prime Meridian.

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.

clue

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

synonym: hint, indication, inkling

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

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

unfortunately

adv. by bad luck; unluckily

synonym: regrettably, unluckily, alas

(1) **unfortunately** caught in a shower, (2) even more **unfortunately**

The treatments were done but, **unfortunately**, were unsuccessful.

treasure

n. a valuable or desirable possession; something that is cherished or held dear; a collection of valuable objects or money that is hidden or protected

synonym : hoard, fortune, gem

(1) **treasure** hunt, (2) **treasure** island

The pirates searched for buried **treasure** in the dunes.

trove

n. a valuable collection of rare or interesting things, usually on the earth

synonym : hoard, collection, assemblage

(1) **trove** of information, (2) stumble on a **trove**

The treasure **trove** of ancient artifacts was a museum's dream come true.

sag

v. to droop or hang down, especially due to a lack of support or the weight of something

synonym : droop, slump, bend

(1) **sag** my jaw, (2) **sag** with fatigue

The old mattress **sagged** in the middle, making it uncomfortable to sleep on.

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**.

disappear

v. to cease to exist or be visible

synonym : fade, evaporate, vanish

(1) **disappear** without a trace, (2) **disappear** after a week

They watched the train **disappear** into the distance.

environment

n. the natural world such as air, water, and land in which humans, animals, and plants live

synonym : atmosphere, surroundings, climate

(1) **environment** affairs, (2) chaotic **environment**

Every human is responsible for taking care of the Earth's **environment**.

outpace

v. to move or proceed at a faster rate than someone or something else; to surpass or exceed someone's or something's performance or ability

synonym : outdistance, outstrip, overtake

(1) **outpace** market share, (2) **outpace** economic growth
Her running speed allowed her to **outpace** her competitors and win the race.

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.

astronomer

n. a physicist who studies astronomy

synonym : stargazer, cosmologist, astrophysicist

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

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

influence

n. the ability to affect someone's or something's character, growth, or behavior, or the effect itself

synonym : power, leverage, effect

(1) **influence** a child's future, (2) **influence** the daily life

The former emperor had a particular **influence** even after he abdicated.

alien

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

synonym : foreigner, unfamiliar, unknown

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

Alien species have drastically altered the ecosystem in this area.

embedded

adj. fixed firmly into the surface of something

synonym : ingrained, implanted, inserted

(1) **embedded** systems, (2) LED- **embedded** glass
The **embedded** chip in my credit card allows me to make contactless payments.

appreciate

v. to value and acknowledge the worth of someone or something; to be grateful for something or someone
synonym: acknowledge, admire, enjoy

(1) **appreciate** her feedback, (2) **appreciate** the value
We would **appreciate** an early reply.

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.

comparison

n. the consideration or examination of the similarities between two or more people or things
synonym: equivalence, analogy, contrast

(1) ease of **comparison**, (2) **comparison** of foods on a caloric basis
I've included the two designs for a **comparison**.

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.

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.

curiosity

n. a strong desire to know or learn about something
synonym : interest, inquisitiveness, novelty

(1) boundless **curiosity**, (2) satisfy my intellectual **curiosity**

We are motivated by **curiosity** rather than necessity.

crawl

v. to move forward slowly, as people or animals with their bodies near the ground

synonym : creep, drag

(1) **crawl** across the floor, (2) **crawl** away from a car

Along the gravel roads, sizeable yellow school buses **crawl**.

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.

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.

orbit

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

synonym : path, course, trajectory

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

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

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.

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**.

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.

tantalize

v. to tease or torment by presenting something desirable but out of reach or unattainable; to tempt or lure with the promise of something desirable

synonym : tease, tempt, torment

(1) **tantalize** taste buds, (2) **tantalize** with promises

The smell of freshly baked cookies in the kitchen **tantalized** me.

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.

vista

n. a pleasing or expansive view, most often of a landscape or a cityscape; a broad and extensive view or outlook

synonym : panorama, view, prospect

(1) **vista** point, (2) unobstructed **vista**

The hike to the top of the mountain offered a breathtaking **vista** of the surrounding valley.

resemble

v. to look like or be similar to someone or something
synonym : look like, be similar to

(1) **resemble** each other, (2) **resemble** her mother
The brothers **resemble** each other in the hobby.

desert

n. arid land with little or no vegetation often covered with sand or rocks

(1) **desert** basin, (2) oasis in the **desert**
This region is predominantly **desert**.

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.

pioneering

adj. involving new ideas or methods; being the first of their kind; leading the way in a particular field
synonym : innovative, groundbreaking, trailblazing

(1) **pioneering** research, (2) **pioneering** spirit
The **pioneering** scientist developed a breakthrough technology that revolutionized the industry.

frontier

n. a border that separates two countries, or the area near this line
synonym : border, boundary, borderland

(1) **frontier** disputes, (2) the Italian **frontier** with Switzerland
He worked at the **frontier** of behavioral economics.

extent

n. the point or degree or area to which something extends
synonym : amount, degree, intensity

(1) certain **extent**, (2) the **extent** of the damage
I was amazed at the **extent** of her generosity.

colon

n. the punctuation mark (:) used to introduce a list, summary, explanation, etc., or before reporting what someone has said; a significant part of the large intestine, the final section of the digestive system

(1) **colon** examination, (2) the **colon** at the end of the sentence

Consumption of vegetables may aid in the prevention of **colon** cancer.

lush

adj. produced or growing in extreme abundance, often in an attractive way; having strong sexual appeal

synonym: leafy, overgrown, dense

(1) **lush** and fertile land, (2) the abundance of **lush** vegetation

This area has an environment of **lush** greenery and water courses.

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.

exhale

v. to breathe out air or vapor from the lungs or mouth; to release or emit something slowly or gently

synonym: breathe out, expel, emit

(1) **exhale** a big sigh, (2) **exhale** cigarette smoke

He took a deep breath and slowly began to **exhale**.

rainforest

n. a forest rich in biodiversity that is generally found in tropical settings with heavy annual rainfall

(1) **rainforest** destruction, (2) tropical **rainforest**

The destruction of the **rainforest** is a ticking time bomb for the Earth.

excitement

n. a feeling of great enthusiasm and eagerness

synonym: thrill, exhilaration, incitement

(1) the **excitement** in the business world, (2) aesthetic **excitement**

The **excitement** of the upcoming concert was palpable

among the crowd.

shadow

n. a dark area or shape cast by an object blocking the passage of light; an area in darkness or shade; a reflected image or copy of something; a person, activity, or influence that follows or accompanies someone or something closely and persistently, often in a secretive or ominous manner

synonym : shade, silhouette, outline

(1) **shadow** cast, (2) **shadow** puppetry

The tree cast a **shadow** over the picnic area, providing relief from the sun.

implication

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

synonym : suggestion, association, conclusion

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

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

inflict

v. to cause harm, injury, or suffering to someone or something

synonym : impose, levy, administer

(1) **inflict** a heavier tax, (2) **inflict** a hard blow

The storm **inflicted** significant damage on the town.

destruction

n. the act of causing so much damage to something

synonym : devastation, annihilation, ruin

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

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

interplanetary

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

synonym : interstellar, planetary, celestial

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

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

disagree

v. to have or express a different opinion, idea, etc.

synonym : discord, oppose, dissent

(1) **disagree** about a particular issue, (2) **disagree** with a plan

I **disagree** for reasons already stated above.

captain

n. the leader of a group of people, especially who is in charge of a ship or aircraft

synonym : boss, director, leader

(1) the **captain** of an opposing team, (2) **captain** of industry

The **captain** ordered the troops to fire.

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.

lifeboat

n. a small boat designed to be launched from a larger vessel in case of an emergency, typically used to rescue passengers or crew members in danger of drowning

synonym : rescue boat, safety boat, emergency vessel

(1) launch **lifeboat**, (2) coastal **lifeboat** station

The passengers were evacuated from the sinking ship and boarded the **lifeboat**.

preservation

n. the act of keeping something in its original state or of preventing it from being damaged

synonym : conserving, protection, conservancy

(1) wildlife **preservation**, (2) the **preservation** of food

The museum had kept the paintings in remarkable **preservation**.

opposed

adj. being completely different from something or disagreeing strongly with something

synonym : anti, averse, hostile

(1) two **opposed** characters, (2) absolutely **opposed** to abortion

I'm strongly **opposed** to that plan.

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.

improve

v. to make or become better

synonym: enhance, ameliorate, enrich

(1) **improve** a process, (2) **improve** the test score
We want to **improve** ties between our two countries.

extreme

adj. very great in amount or degree

synonym: farthestmost, outermost, fierce

(1) **extreme** sports, (2) **extreme** weather events
Solar gravity creates **extreme** pressures and temperatures.

maintain

v. to continue to uphold or sustain; to keep in a particular state or condition; to assert or declare something to be true

synonym: preserve, uphold, sustain

(1) **maintain** order, (2) **maintain** good health
I need to **maintain** my car regularly to prevent any major mechanical issues.

hostile

adj. unfriendly or aggressively opposed

synonym: unfriendly, aggressive, antagonistic

(1) take up a **hostile** attitude, (2) **hostile** environment
The **hostile** takeover of the company was met with resistance from the employees.

inhospitable

adj. harsh and difficult to stay in or grow; unfriendly and unwelcoming towards people who visit you

synonym: sterile, unfriendly, unwelcoming

(1) **inhospitable** environment, (2) in an **inhospitable** manner

He trekked across some of the most **inhospitable** mountains in the world.

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.

paradox

n. a statement, situation, or person that has two opposite facts or features and therefore seems impossible, is difficult to understand, or is strange;

synonym: incongruity, dichotomy, contradiction

(1) French **paradox**, (2) the **paradox** of the heap

There are many theories to explain this **paradox**.

physicist

n. a scientist who specializes in the field of physics

(1) talented **physicist**, (2) theoretical **physicist**

Einstein was an outstanding and famous **physicist** of the 20th century.

technological

adj. based on scientific and industrial progress

synonym: specialized, technical

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

Technological advances have disrupted many industries.

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.

sight

n. the ability to see; anything that is seen

synonym: vision, spectacle, view

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

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

safeguard

v. to protect something or someone from harm, damage, or loss

synonym: protect, assure, conserve

(1) **safeguard** my property, (2) **safeguard** environmental quality

This measure will **safeguard** people against terrorism.

foster

v. to promote growth; to take care of another person's child, usually for a limited time, without becoming their legal parents

synonym: nurture, nourish, cultivate

(1) **foster** a better relationship, (2) **foster** two kids

The pastor contributed to **fostering** the sense of a community embracing all classes.

advancement

n. the development, improvement, or progress of something

synonym: progression, breakthrough, improvement

(1) **advancement** of knowledge, (2) career **advancement**

Competition between countries resulted in fast technological **advancement**.

hubris

n. excessive pride, arrogance, or overconfidence, often leading to someone's downfall or ruin

synonym: arrogance, conceit, pride

(1) political **hubris**, (2) **hubris** in business

The athlete's **hubris** resulted in him underestimating his competition and losing the game.

colonize

v. to establish a colony in or on a specific place; to settle or occupy in large numbers

synonym: settle, occupy, inhabit

(1) **colonize** planets, (2) **colonize** for cultivation

European powers **colonized** much of the Americas in the 16th and 17th centuries.

surmount

v. to overcome or conquer a difficulty, obstacle, or challenge; to rise above or be victorious over something

synonym: overcome, conquer, prevail

(1) **surmount** fears, (2) **surmount** challenges

You can **surmount** any obstacle in your path with determination and hard work.

Session 2: Spelling

- | | |
|-------------------------------|---|
| 1. ca_____n of industry | <i>n.</i> the leader of a group of people, especially who is in charge of a ship or aircraft |
| 2. theoretical ph_____st | <i>n.</i> a scientist who specializes in the field of physics |
| 3. cr__l across the floor | <i>v.</i> to move forward slowly, as people or animals with their bodies near the ground |
| 4. talented ph_____st | <i>n.</i> a scientist who specializes in the field of physics |
| 5. an unexpected si__t | <i>n.</i> the ability to see; anything that is seen |
| 6. boundless cu_____ty | <i>n.</i> a strong desire to know or learn about something |
| 7. certain ex____t | <i>n.</i> the point or degree or area to which something extends |
| 8. in_____ce a child's future | <i>n.</i> the ability to affect someone's or something's character, growth, or behavior, or the effect itself |
| 9. s_g with fatigue | <i>v.</i> to droop or hang down, especially due to a lack of support or the weight of something |
| 10. ma_____in order | <i>v.</i> to continue to uphold or sustain; to keep in a particular state or condition; to assert or declare something to be true |
| 11. wildlife pre_____ion | <i>n.</i> the act of keeping something in its original state or of preventing it from being damaged |

ANSWERS: 1. captain, 2. physicist, 3. crawl, 4. physicist, 5. sight, 6. curiosity, 7. extent, 8. influence, 9. sag, 10. maintain, 11. preservation

12. ex___d agricultural output *v.* to increase or to make something greater in size, number, or importance
13. in an inh_____ble manner *adj.* harsh and difficult to stay in or grow; unfriendly and unwelcoming towards people who visit you
14. im_____e a process *v.* to make or become better
15. coastal li_____at station *n.* a small boat designed to be launched from a larger vessel in case of an emergency, typically used to rescue passengers or crew members in danger of drowning
16. two op_____d characters *adj.* being completely different from something or disagreeing strongly with something
17. the exc_____nt in the business world *n.* a feeling of great enthusiasm and eagerness
18. exp_____nt design *n.* the scientific test conducted to observe what happens and gain new knowledge
19. di_____ee with a plan *v.* to have or express a different opinion, idea, etc.
20. historical co_____t *n.* the circumstances, facts, or conditions that surround a particular event, situation, or statement and that give it meaning
21. fo___r two kids *v.* to promote growth; to take care of another person's child, usually for a limited time, without becoming their legal parents

ANSWERS: 12. expand, 13. inhospitable, 14. improve, 15. lifeboat, 16. opposed, 17. excitement, 18. experiment, 19. disagree, 20. context, 21. foster

22. the or__t of the moon
n. the path of an object around a celestial body, especially a planet, star, or moon, under the influence of gravity; (of medicine) the bony cavity in the skull that houses the eyeball and its associated structures, like muscles, nerves, and blood vessels
23. in____t a hard blow
v. to cause harm, injury, or suffering to someone or something
24. chaotic env_____nt
n. the natural world such as air, water, and land in which humans, animals, and plants live
25. pio_____ng spirit
adj. involving new ideas or methods; being the first of their kind; leading the way in a particular field
26. amateur ast_____er
n. a physicist who studies astronomy
27. im_____e the test score
v. to make or become better
28. ex_____e weather events
adj. very great in amount or degree
29. resident al__ns
n. a person who comes from a different country, race, or group; a form of life assumed to exist outside the Earth or its atmosphere
30. tr_____re island
n. a valuable or desirable possession; something that is cherished or held dear; a collection of valuable objects or money that is hidden or protected
31. 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

ANSWERS: 22. orbit, 23. inflict, 24. environment, 25. pioneering, 26. astronomer, 27. improve, 28. extreme, 29. alien, 30. treasure, 31. preserve

32. r_v up the crowd *n.* a measure of the rate at which an engine or motor rotates, often expressed in revolutions per minute (RPM); (verb) to increase the number of rotations per minute
33. co____ze for cultivation *v.* to establish a colony in or on a specific place; to settle or occupy in large numbers
34. int_____ary exploration *adj.* relating to or occurring between planets, particularly regarding space travel or communication
35. take up a ho____e attitude *adj.* unfriendly or aggressively opposed
36. ex____e sports *adj.* very great in amount or degree
37. ho____e environment *adj.* unfriendly or aggressively opposed
38. sh____w cast *n.* a dark area or shape cast by an object blocking the passage of light; an area in darkness or shade; a reflected image or copy of something; a person, activity, or influence that follows or accompanies someone or something closely and persistently, often in a secretive or ominous manner
39. the Italian fr____er with Switzerland *n.* a border that separates two countries, or the area near this line
40. m_r the reputation *v.* to damage or spoil the appearance or surface of something
41. 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

ANSWERS: 32. rev, 33. colonize, 34. interplanetary, 35. hostile, 36. extreme, 37. hostile, 38. shadow, 39. frontier, 40. mar, 41. planet

42. ro__r mission *n.* a vehicle designed to travel over rough terrain, especially on the surface of a planet or moon
43. fr_____er disputes *n.* a border that separates two countries, or the area near this line
44. in_____ce the daily life *n.* the ability to affect someone's or something's character, growth, or behavior, or the effect itself
45. a so__r eclipse *adj.* of, from, or relating to the sun
46. tr__e of information *n.* a valuable collection of rare or interesting things, usually on the earth
47. in_____te an error *v.* to show, point out, or make known something, often through a sign or a symbol; to suggest or imply something without stating it directly
48. com_____on of foods on a caloric basis *n.* the consideration or examination of the similarities between two or more people or things
49. a planetary or__t *n.* the path of an object around a celestial body, especially a planet, star, or moon, under the influence of gravity; (of medicine) the bony cavity in the skull that houses the eyeball and its associated structures, like muscles, nerves, and blood vessels
50. s_g my jaw *v.* to droop or hang down, especially due to a lack of support or the weight of something
51. 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

ANSWERS: 42. rover, 43. frontier, 44. influence, 45. solar, 46. trove, 47. indicate, 48. comparison, 49. orbit, 50. sag, 51. atmosphere

52. low-r_v engine *n.* a measure of the rate at which an engine or motor rotates, often expressed in revolutions per minute (RPM); (verb) to increase the number of rotations per minute
53. the ca_____n of an opposing team *n.* the leader of a group of people, especially who is in charge of a ship or aircraft
54. gr_____y affect the situation *adv.* to an extraordinary extent or degree; very much
55. 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
56. launch li_____at *n.* a small boat designed to be launched from a larger vessel in case of an emergency, typically used to rescue passengers or crew members in danger of drowning
57. series of exp_____nts *n.* the scientific test conducted to observe what happens and gain new knowledge
58. ro__y terrain *adj.* full of or abounding in rocks; of, relating to, or made of rock
59. su_____nt fears *v.* to overcome or conquer a difficulty, obstacle, or challenge; to rise above or be victorious over something
60. ease of com_____on *n.* the consideration or examination of the similarities between two or more people or things

ANSWERS: 52. rev, 53. captain, 54. greatly, 55. spaceflight, 56. lifeboat, 57. experiment, 58. rocky, 59. surmount, 60. comparison

61. app_____te the value *v.* to value and acknowledge the worth of someone or something; to be grateful for something or someone
62. past mil_____um *n.* a span of 1000 years, or the 1000th anniversary (plural: millennia)
63. inh_____ble environment *adj.* harsh and difficult to stay in or grow; unfriendly and unwelcoming towards people who visit you
64. the imp_____on in a crime *n.* something that is inferred or indirectly stated; the act or fact of being involved in something
65. oasis in the de____t *n.* arid land with little or no vegetation often covered with sand or rocks
66. the imp_____on of a word *n.* something that is inferred or indirectly stated; the act or fact of being involved in something
67. hu____s in business *n.* excessive pride, arrogance, or overconfidence, often leading to someone's downfall or ruin
68. 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
69. l__h and fertile land *adj.* produced or growing in extreme abundance, often in an attractive way; having strong sexual appeal
70. sc_____h off a name *v.* to cut or damage the surface of something or the skin with a sharp or pointed object

ANSWERS: 61. appreciate, 62. millennium, 63. inhospitable, 64. implication, 65. desert, 66. implication, 67. hubris, 68. planet, 69. lush, 70. scratch

71. ou____e economic growth *v.* to move or proceed at a faster rate than someone or something else; to surpass or exceed someone's or something's performance or ability
72. solar ast_____er *n.* a physicist who studies astronomy
73. sc_____h my signature *v.* to cut or damage the surface of something or the skin with a sharp or pointed object
74. adv_____nt of knowledge *n.* the development, improvement, or progress of something
75. 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
76. ex___e cigarette smoke *v.* to breathe out air or vapor from the lungs or mouth; to release or emit something slowly or gently
77. tec_____cal policy *adj.* based on scientific and industrial progress
78. satisfy my intellectual cu_____ty *n.* a strong desire to know or learn about something
79. fo___r a better relationship *v.* to promote growth; to take care of another person's child, usually for a limited time, without becoming their legal parents
80. ex___d a lineup *v.* to increase or to make something greater in size, number, or importance
81. racial or___n *n.* the first existence or beginning of something

ANSWERS: 71. outpace, 72. astronomer, 73. scratch, 74. advancement, 75. universe, 76. exhale, 77. technological, 78. curiosity, 79. foster, 80. expand, 81. origin

82. tr____re hunt *n.* a valuable or desirable possession; something that is cherished or held dear; a collection of valuable objects or money that is hidden or protected
83. the so__r system *adj.* of, from, or relating to the sun
84. sa_____rd environmental quality *v.* to protect something or someone from harm, damage, or loss
85. unf_____ely caught in a shower *adv.* by bad luck; unluckily
86. mil_____um bottle of wine *n.* a span of 1000 years, or the 1000th anniversary (plural: millennia)
87. absolutely op_____d to abortion *adj.* being completely different from something or disagreeing strongly with something
88. al__n fungi *n.* a person who comes from a different country, race, or group; a form of life assumed to exist outside the Earth or its atmosphere
89. aesthetic exc_____nt *n.* a feeling of great enthusiasm and eagerness
90. 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
91. di_____ar without a trace *v.* to cease to exist or be visible
92. ta_____ze taste buds *v.* to tease or torment by presenting something desirable but out of reach or unattainable; to tempt or lure with the promise of something desirable

ANSWERS: 82. treasure, 83. solar, 84. safeguard, 85. unfortunately, 86. millennium, 87. opposed, 88. alien, 89. excitement, 90. discovery, 91. disappear, 92. tantalize

93. 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
94. the ex___t of the damage *n.* the point or degree or area to which something extends
95. effects of cl_____e change *n.* the weather in a particular location averaged over some long period
96. look through a te_____pe *n.* a device like a tube in shape containing lenses used to magnify and observe distant objects
97. ta_____ze with promises *v.* to tease or torment by presenting something desirable but out of reach or unattainable; to tempt or lure with the promise of something desirable
98. env_____nt affairs *n.* the natural world such as air, water, and land in which humans, animals, and plants live
99. di_____ee about a particular issue *v.* to have or express a different opinion, idea, etc.
100. cyclonic des_____on *n.* the act of causing so much damage to something
101. in_____t a heavier tax *v.* to cause harm, injury, or suffering to someone or something
102. in_____te a preference *v.* to show, point out, or make known something, often through a sign or a symbol; to suggest or imply something without stating it directly
103. 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

ANSWERS: 93. oxygen, 94. extent, 95. climate, 96. telescope, 97. tantalize, 98. environment, 99. disagree, 100. destruction, 101. inflict, 102. indicate, 103. atmosphere

104. lunar ro__r *n.* a vehicle designed to travel over rough terrain, especially on the surface of a planet or moon
105. Ma____n geography *adj.* of or relating to Mars or its imaginary inhabitants
106. 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
107. co__n examination *n.* the punctuation mark (:) used to introduce a list, summary, explanation, etc., or before reporting what someone has said; a significant part of the large intestine, the final section of the digestive system
108. the pa____x of the heap *n.* a statement, situation, or person that has two opposite facts or features and therefore seems impossible, is difficult to understand, or is strange;
109. legal co____t *n.* the circumstances, facts, or conditions that surround a particular event, situation, or statement and that give it meaning
110. 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
111. co____ze planets *v.* to establish a colony in or on a specific place; to settle or occupy in large numbers

ANSWERS: 104. rover, 105. Martian, 106. discovery, 107. colon, 108. paradox, 109. context, 110. spaceflight, 111. colonize

112. ter_____al planets *adj.* of or relating to the Earth; relating to or inhabiting the land or the ground as opposed to the sea or air
113. cr__l away from a car *v.* to move forward slowly, as people or animals with their bodies near the ground
114. ad_____e the technology *v.* to go or move forward; to develop in a positive way
115. ma_____in good health *v.* to continue to uphold or sustain; to keep in a particular state or condition; to assert or declare something to be true
116. dull si__t *n.* the ability to see; anything that is seen
117. pos_____ty for growth *n.* a chance that something may happen or be true
118. in___e guests *v.* to ask someone to come or join; to offer an opportunity or possibility for something to happen or take place
119. French pa_____x *n.* a statement, situation, or person that has two opposite facts or features and therefore seems impossible, is difficult to understand, or is strange;
120. a c__e to the diagnosis *n.* an object, a piece of evidence, or some information that helps someone to find the answer to a problem, question, or mystery
121. ex___e a big sigh *v.* to breathe out air or vapor from the lungs or mouth; to release or emit something slowly or gently
122. unobstructed vi__a *n.* a pleasing or expansive view, most often of a landscape or a cityscape; a broad and extensive view or outlook

ANSWERS: 112. terrestrial, 113. crawl, 114. advance, 115. maintain, 116. sight, 117. possibility, 118. invite, 119. paradox, 120. clue, 121. exhale, 122. vista

123. di_____ar after a week *v.* to cease to exist or be visible
124. tec_____cal advancement *adj.* based on scientific and industrial progress
125. pos_____ty of a major earthquake *n.* a chance that something may happen or be true
126. m_r a proper relationship *v.* to damage or spoil the appearance or surface of something
127. in___e criticism *v.* to ask someone to come or join; to offer an opportunity or possibility for something to happen or take place
128. ad_____e a cooperative relationship *v.* to go or move forward; to develop in a positive way
129. 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)
130. the t_p of a paintbrush *n.* the top or extreme point of something slender or tapering, usually a mountain or hill; a piece of advice about something practical; a small amount of money given for services
131. LED-em_____ed glass *adj.* fixed firmly into the surface of something
132. social di_____ce *n.* the amount of space between two points, measured in units such as miles, meters, or kilometers; the extent, scope, or range between two things, such as distance or emotional distance
133. 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)

ANSWERS: 123. disappear, 124. technological, 125. possibility, 126. mar, 127. invite, 128. advance, 129. titanic, 130. tip, 131. embedded, 132. distance, 133. titanic

134. su____nt challenges *v.* to overcome or conquer a difficulty, obstacle, or challenge; to rise above or be victorious over something
135. sh___w puppetry *n.* a dark area or shape cast by an object blocking the passage of light; an area in darkness or shade; a reflected image or copy of something; a person, activity, or influence that follows or accompanies someone or something closely and persistently, often in a secretive or ominous manner
136. su___e changes *adj.* not readily apparent or visible
137. the abundance of l__h vegetation *adj.* produced or growing in extreme abundance, often in an attractive way; having strong sexual appeal
138. ro__y relationship *adj.* full of or abounding in rocks; of, relating to, or made of rock
139. path of des_____on *n.* the act of causing so much damage to something
140. ou_____e market share *v.* to move or proceed at a faster rate than someone or something else; to surpass or exceed someone's or something's performance or ability
141. vi__a point *n.* a pleasing or expansive view, most often of a landscape or a cityscape; a broad and extensive view or outlook
142. gr_____y support that player *adv.* to an extraordinary extent or degree; very much
143. a c__e about the crime *n.* an object, a piece of evidence, or some information that helps someone to find the answer to a problem, question, or mystery

ANSWERS: 134. surmount, 135. shadow, 136. subtle, 137. lush, 138. rocky, 139. destruction, 140. outpace, 141. vista, 142. greatly, 143. clue

144. a cold cl_____e *n.* the weather in a particular location averaged over some long period
145. 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
146. d_m and distant past *adj.* poorly lit; not bright
147. de____t basin *n.* arid land with little or no vegetation often covered with sand or rocks
148. re_____le her mother *v.* to look like or be similar to someone or something
149. the co__n at the end of the sentence *n.* the punctuation mark (:) used to introduce a list, summary, explanation, etc., or before reporting what someone has said; a significant part of the large intestine, the final section of the digestive system
150. elliptic ga____y *n.* an independent group of stars, interstellar gas, dark matter, etc., in the universe, bound together by gravity
151. app_____te her feedback *v.* to value and acknowledge the worth of someone or something; to be grateful for something or someone
152. 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
153. im_____ry pregnancy *adj.* existing only in someone's mind

ANSWERS: 144. climate, 145. preserve, 146. dim, 147. desert, 148. resemble, 149. colon, 150. galaxy, 151. appreciate, 152. universe, 153. imaginary

154. stumble on a tr__e *n.* a valuable collection of rare or interesting things, usually on the earth
155. tropical rai_____st *n.* a forest rich in biodiversity that is generally found in tropical settings with heavy annual rainfall
156. re_____le each other *v.* to look like or be similar to someone or something
157. career adv_____nt *n.* the development, improvement, or progress of something
158. ter_____al heat *adj.* of or relating to the Earth; relating to or inhabiting the land or the ground as opposed to the sea or air
159. driving di_____ce *n.* the amount of space between two points, measured in units such as miles, meters, or kilometers; the extent, scope, or range between two things, such as distance or emotional distance
160. d_m memory *adj.* poorly lit; not bright
161. a binocular te_____pe *n.* a device like a tube in shape containing lenses used to magnify and observe distant objects
162. the pre_____ion of food *n.* the act of keeping something in its original state or of preventing it from being damaged
163. give the waiter a t_p. *n.* the top or extreme point of something slender or tapering, usually a mountain or hill; a piece of advice about something practical; a small amount of money given for services

ANSWERS: 154. trove, 155. rainforest, 156. resemble, 157. advancement, 158. terrestrial, 159. distance, 160. dim, 161. telescope, 162. preservation, 163. tip

164. Ma_____n surface *adj.* of or relating to Mars or its imaginary inhabitants
165. sa_____rd my property *v.* to protect something or someone from harm, damage, or loss
166. or____n of information *n.* the first existence or beginning of something
167. a ga____y of famous actors *n.* an independent group of stars, interstellar gas, dark matter, etc., in the universe, bound together by gravity
168. int_____ary debris *adj.* relating to or occurring between planets, particularly regarding space travel or communication
169. em_____ed systems *adj.* fixed firmly into the surface of something
170. 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
171. even more unf_____ely *adv.* by bad luck; unluckily
172. political hu____s *n.* excessive pride, arrogance, or overconfidence, often leading to someone's downfall or ruin
173. pio_____ng research *adj.* involving new ideas or methods; being the first of their kind; leading the way in a particular field
174. rai_____st destruction *n.* a forest rich in biodiversity that is generally found in tropical settings with heavy annual rainfall

ANSWERS: 164. Martian, 165. safeguard, 166. origin, 167. galaxy, 168. interplanetary, 169. embedded, 170. oxygen, 171. unfortunately, 172. hubris, 173. pioneering, 174. rainforest

175. im_____ry number

adj. existing only in someone's mind

176. a su___e poison

adj. not readily apparent or visible

ANSWERS: 175. imaginary, 176. subtle

Session 3: Fill in the Blanks

1. The brothers _____ each other in the hobby.
v. to look like or be similar to someone or something
2. The pirates searched for buried _____ in the dunes.
n. a valuable or desirable possession; something that is cherished or held dear; a collection of valuable objects or money that is hidden or protected
3. The _____ ordered the troops to fire.
n. the leader of a group of people, especially who is in charge of a ship or aircraft
4. 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
5. He stepped on the gas pedal, and the engine released a loud _____.
n. a measure of the rate at which an engine or motor rotates, often expressed in revolutions per minute (RPM); (verb) to increase the number of rotations per minute
6. A famous artist painted the room in a _____ pink hue.
adj. not readily apparent or visible
7. The old mattress _____ in the middle, making it uncomfortable to sleep on.
v. to droop or hang down, especially due to a lack of support or the weight of something
8. The police couldn't find a _____ to her whereabouts.
n. an object, a piece of evidence, or some information that helps someone to find the answer to a problem, question, or mystery

ANSWERS: 1. resemble, 2. treasure, 3. captain, 4. invite, 5. rev, 6. subtle, 7. sagged, 8. clue

9. I need to _____ my car regularly to prevent any major mechanical issues.
- v.* to continue to uphold or sustain; to keep in a particular state or condition; to assert or declare something to be true
10. The former emperor had a particular _____ even after he abdicated.
- n.* the ability to affect someone's or something's character, growth, or behavior, or the effect itself
11. The smell of freshly baked cookies in the kitchen _____ me.
- v.* to tease or torment by presenting something desirable but out of reach or unattainable; to tempt or lure with the promise of something desirable
12. The treatments were done but, _____ were unsuccessful.
- adv.* by bad luck; unluckily
13. The scratches on the car _____ its otherwise perfect appearance.
- v.* to damage or spoil the appearance or surface of something
14. He worked at the _____ of behavioral economics.
- n.* a border that separates two countries, or the area near this line
15. The passengers were evacuated from the sinking ship and boarded the _____.
- n.* a small boat designed to be launched from a larger vessel in case of an emergency, typically used to rescue passengers or crew members in danger of drowning
16. 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

ANSWERS: 9. maintain, 10. influence, 11. tantalized, 12. unfortunately, 13. marred, 14. frontier, 15. lifeboat, 16. oxygen

17. There are various hypotheses concerning the _____ of life.
n. the first existence or beginning of something
18. We would _____ an early reply.
v. to value and acknowledge the worth of someone or something; to be grateful for something or someone
19. The extinction of several subspecies has been linked to climate change and habitat _____.
n. the act of causing so much damage to something
20. The data _____ that the company's profits have steadily increased over the past quarter.
v. to show, point out, or make known something, often through a sign or a symbol; to suggest or imply something without stating it directly
21. There is very little water in the _____ atmosphere.
adj. of or relating to Mars or its imaginary inhabitants
22. The athlete's _____ resulted in him underestimating his competition and losing the game.
n. excessive pride, arrogance, or overconfidence, often leading to someone's downfall or ruin
23. He took a deep breath and slowly began to _____.
v. to breathe out air or vapor from the lungs or mouth; to release or emit something slowly or gently
24. They watched the train _____ into the distance.
v. to cease to exist or be visible

ANSWERS: 17. origin, 18. appreciate, 19. destruction, 20. indicates, 21. Martian, 22. hubris, 23. exhale, 24. disappear

25. We are motivated by _____ rather than necessity.

n. a strong desire to know or learn about something

26. 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)

27. The rocket engine is used to put the satellite into _____.

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

28. This region is predominantly _____.

n. arid land with little or no vegetation often covered with sand or rocks

29. Along the gravel roads, sizeable yellow school buses _____.

v. to move forward slowly, as people or animals with their bodies near the ground

30. There are many theories to explain this _____.

n. a statement, situation, or person that has two opposite facts or features and therefore seems impossible, is difficult to understand, or is strange;

31. _____ panels have greatly improved not only in performance but also in durability.

adj. of, from, or relating to the sun

32. They hope to _____ their business worldwide.

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

ANSWERS: 25. curiosity, 26. titanic, 27. orbit, 28. desert, 29. crawl, 30. paradox, 31. Solar, 32. expand

33. 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
34. Scientists are working on developing _____ travel to explore other planets in our solar system.
- adj.* relating to or occurring between planets, particularly regarding space travel or communication
35. The _____ scientist developed a breakthrough technology that revolutionized the industry.
- adj.* involving new ideas or methods; being the first of their kind; leading the way in a particular field
36. His poem has a very significant _____.
- n.* something that is inferred or indirectly stated; the act or fact of being involved in something
37. 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
38. The ___ light made it difficult to read the book.
- adj.* poorly lit; not bright
39. Competition between countries resulted in fast technological _____.
- n.* the development, improvement, or progress of something
40. _____ and weather have an impact on every part of our lifestyles.
- n.* the weather in a particular location averaged over some long period

ANSWERS: 33. atmosphere, 34. interplanetary, 35. pioneering, 36. implication, 37. universe, 38. dim, 39. advancement, 40. Climate

41. I'm strongly _____ to that plan.

adj. being completely different from something or disagreeing strongly with something

42. Many famous _____ are within walking distance.

n. the ability to see; anything that is seen

43. The storm _____ significant damage on the town.

v. to cause harm, injury, or suffering to someone or something

44. Every human is responsible for taking care of the Earth's _____.

n. the natural world such as air, water, and land in which humans, animals, and plants live

45. Don't _____ your mosquito bites.

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

46. He trekked across some of the most _____ mountains in the world.

adj. harsh and difficult to stay in or grow; unfriendly and unwelcoming towards people who visit you

47. This area has an environment of _____ greenery and water courses.

adj. produced or growing in extreme abundance, often in an attractive way; having strong sexual appeal

48. Her research team made an important _____.

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

ANSWERS: 41. opposed, 42. sights, 43. inflicted, 44. environment, 45. scratch, 46. inhospitable, 47. lush, 48. discovery

49. 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
50. _____ advances have disrupted many industries.
adj. based on scientific and industrial progress
51. Scientific knowledge will _____ significantly with the power of AI.
v. to go or move forward; to develop in a positive way
52. His _____ showed highly positive results.
n. the scientific test conducted to observe what happens and gain new knowledge
53. Our world is in the third _____.
n. a span of 1000 years, or the 1000th anniversary (plural: millennia)
54. I will introduce some _____ on learning English in this class.
n. the top or extreme point of something slender or tapering, usually a mountain or hill; a piece of advice about something practical; a small amount of money given for services
55. The destruction of the _____ is a ticking time bomb for the Earth.
n. a forest rich in biodiversity that is generally found in tropical settings with heavy annual rainfall
56. _____ 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

ANSWERS: 49. telescope, 50. Technological, 51. advance, 52. experiments, 53. millennium, 54. tips, 55. rainforest, 56. Spaceflight

57. I've included the two designs for a _____.
- n.* the consideration or examination of the similarities between two or more people or things
58. This question has fascinated solar _____ for decades.
- n.* a physicist who studies astronomy
59. 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
60. I was amazed at the _____ of her generosity.
- n.* the point or degree or area to which something extends
61. 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
62. It's important to understand the _____ of a situation before making a decision.
- n.* the circumstances, facts, or conditions that surround a particular event, situation, or statement and that give it meaning
63. 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
64. The marathon runner covered a long _____ in a short amount of time.
- n.* the amount of space between two points, measured in units such as miles, meters, or kilometers; the extent, scope, or range between two things, such as distance or emotional distance

ANSWERS: 57. comparison, 58. astronomers, 59. planet, 60. extent, 61. galaxy, 62. context, 63. rover, 64. distance

65. I _____ for reasons already stated above.
v. to have or express a different opinion, idea, etc.
66. The treasure _____ of ancient artifacts was a museum's dream come true.
n. a valuable collection of rare or interesting things, usually on the earth
67. Consumption of vegetables may aid in the prevention of _____ cancer.
n. the punctuation mark (:) used to introduce a list, summary, explanation, etc., or before reporting what someone has said; a significant part of the large intestine, the final section of the digestive system
68. Little children tend to have _____ friends.
adj. existing only in someone's mind
69. The _____ of the upcoming concert was palpable among the crowd.
n. a feeling of great enthusiasm and eagerness
70. The _____ of getting the disease will drastically increase.
n. a chance that something may happen or be true
71. The tree cast a _____ over the picnic area, providing relief from the sun.
n. a dark area or shape cast by an object blocking the passage of light; an area in darkness or shade; a reflected image or copy of something; a person, activity, or influence that follows or accompanies someone or something closely and persistently, often in a secretive or ominous manner
72. 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

ANSWERS: 65. disagree, 66. trove, 67. colon, 68. imaginary, 69. excitement, 70. possibility, 71. shadow, 72. preserve

73. European powers _____ much of the Americas in the 16th and 17th centuries.
- v.* to establish a colony in or on a specific place; to settle or occupy in large numbers
74. Einstein was an outstanding and famous _____ of the 20th century.
- n.* a scientist who specializes in the field of physics
75. _____ species have drastically altered the ecosystem in this area.
- n.* a person who comes from a different country, race, or group; a form of life assumed to exist outside the Earth or its atmosphere
76. You can _____ any obstacle in your path with determination and hard work.
- v.* to overcome or conquer a difficulty, obstacle, or challenge; to rise above or be victorious over something
77. The _____ chip in my credit card allows me to make contactless payments.
- adj.* fixed firmly into the surface of something
78. They _____ admired our actions.
- adv.* to an extraordinary extent or degree; very much
79. Her running speed allowed her to _____ her competitors and win the race.
- v.* to move or proceed at a faster rate than someone or something else; to surpass or exceed someone's or something's performance or ability
80. We want to _____ ties between our two countries.
- v.* to make or become better

ANSWERS: 73. colonized, 74. physicist, 75. Alien, 76. surmount, 77. embedded, 78. greatly, 79. outpace, 80. improve

81. The _____ road made it difficult to drive on.

adj. full of or abounding in rocks; of, relating to, or made of rock

82. Solar gravity creates _____ pressures and temperatures.

adj. very great in amount or degree

83. The _____ takeover of the company was met with resistance from the employees.

adj. unfriendly or aggressively opposed

84. The hike to the top of the mountain offered a breathtaking _____ of the surrounding valley.

n. a pleasing or expansive view, most often of a landscape or a cityscape; a broad and extensive view or outlook

85. The museum had kept the paintings in remarkable _____.

n. the act of keeping something in its original state or of preventing it from being damaged

86. The pastor contributed to _____ the sense of a community embracing all classes.

v. to promote growth; to take care of another person's child, usually for a limited time, without becoming their legal parents

87. This measure will _____ people against terrorism.

v. to protect something or someone from harm, damage, or loss

88. _____ longitude is measured in degrees east or west of the Prime Meridian.

adj. of or relating to the Earth; relating to or inhabiting the land or the ground as opposed to the sea or air

ANSWERS: 81. rocky, 82. extreme, 83. hostile, 84. vista, 85. preservation, 86. fostering, 87. safeguard, 88. Terrestrial

ANSWERS: