

Englist.me



Vocabulary Builder Reference from...

Elizabeth "Zibi" Turtle: What Saturn's most mysterious moon could teach us about the origins of life | TED Talk

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

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

dense

adj. containing a large number of people or something with little space between them

synonym : heavy, thick, idiotic

(1) nutrient- **dense** foods, (2) **dense** forests

The entire mountain is covered in **dense** rainforest.

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**.

sweep

v. to clean something, especially a floor or an area, by using a broom; move swiftly and smoothly

synonym : clean, clear, brush off

(1) **sweep** up dead leaves, (2) **sweep** a room with a glance

The politician tried to **sweep** the embarrassing incident under the rug.

plain

adj. without being decorated in any way; (Noun) a vast expanse of flat land with few trees

synonym : basic, straight, bare

(1) **plain** answer, (2) delta **plain**

The lowest lowland region is mostly flat **plain**.

sand

n. finely granulated particles of rock or mineral material typically found along beaches, deserts, or riverbeds; used in construction, landscaping, and other applications requiring drainage or abrasive action

synonym : grit, dust, powder

(1) **sand** dunes, (2) **sand** castle

The **sand** on the beach was warm and golden.

dun

adj. having a dull brownish-gray color, often used to describe the color of certain animals, such as a dun horse; (verb) to repeatedly and insistently demand payment of a debt or money owed

synonym : dark, gloomy, somber

(1) **dun** horse, (2) **dun** him for the unpaid bills

The spider was camouflaged on the **dun-colored** rock, waiting for its next prey.

crater

n. a huge bowl-shaped cavity in the earth or an object in space, usually created by an explosion or the impact of a meteorite

synonym : cavity, hole, pit

(1) **crater** lake, (2) lunar **crater**

An enormous **crater** marks the area where the vast volcanic explosion occurred.

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.

voyage

n. a long journey, especially by sea or in space
synonym: journey, trip, excursion

(1) a **voyage** of discovery, (2) take a **voyage**

The astronaut trained for years before embarking on her **voyage** to the International Space Station.

capture

v. to catch a person or an animal and confine them in an area which they cannot escape

synonym: catch, arrest, imprison

(1) **capture** a glimpse, (2) **capture** customers' hearts

I was able to **capture** the moment on film.

geography

n. a field of science devoted to the study of the lands, features, inhabitants, and phenomena of the Earth

synonym: landscape, terrain, topography

(1) **geography** class, (2) economic **geography**

She did well on her **geography** exam.

hazy

adj. not clear due to a lack of recollection, comprehension, or detail; unsure or perplexed about something

synonym: blurred, clouded, foggy

(1) **hazy** dream, (2) **hazy** atmosphere

My memories of the holiday were **hazy**.

stark

adj. empty, simple, or apparent; devoid of any qualifications

synonym: crude, blunt, desolate

(1) **stark** landscape, (2) **stark** truth

The scenery of the battlefield was **stark** and grey.

mystery

n. something difficult to understand or explain; a secret or enigmatic quality that adds to the fascination or interest of something; a genre of fiction that involves the solution of a crime or a puzzle

synonym: enigma, puzzle, secret

(1) **mystery** novel, (2) unsolved **mystery**

The **mystery** surrounding the disappearance of the traveler

has yet to be solved by authorities.

exponential

adj. becoming more and more rapid; of or involving mathematical exponents

(1) **exponential** growth, (2) **exponential** function

Since the 1990s, the Internet has continued to experience **exponential** growth.

beneath

adv. in or to a lower place than someone or something

synonym: down, under, low

(1) the ground **beneath** my feet, (2) **beneath** contempt

A great stretch of the lake lay **beneath** them.

atmospheric

adj. about or located in the earth's atmosphere

synonym: atmospherical, climatic

(1) doubling of **atmospheric** carbon dioxide,

(2) **atmospheric** pressure

The sea surface temperature and **atmospheric** circulation are inextricably linked.

blanket

n. a large piece of soft material used to cover or wrap a person or thing to keep them warm; (adjective) broad in scope or content

synonym: cover, coverlet, bedspread

(1) **blanket** authority, (2) **blanket** scarf

The electric **blanket** keeps me warm on cold nights.

icy

adj. covered with ice or frost; very cold; lacking warmth or friendliness

synonym: frosty, cold, glacial

(1) **icy** clouds, (2) cast **icy** eyes

The **icy** surface of the pond was not safe for skating.

observe

v. to watch or notice something carefully, often to gather information or insights; to take note of something or someone; to celebrate or commemorate a special event or occasion

synonym : watch, monitor, scrutinize

(1) **observe** a tradition, (2) **observe** wildlife

It is important to **observe** safety procedures in the workplace to prevent accidents.

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.

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.

liquid

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

synonym : fluid

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

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

methane

n. a chemical compound with the chemical formula CH₄ with no smell or color, often used as a fuel

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

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

shroud

n. a length of cloth or other material used to cover or wrap a dead body; something that conceals or obscures something else, often used metaphorically

synonym : cover, veil, cloak

(1) **shroud** of mystery, (2) **shroud** of suspicion

The protective **shroud** covered the body in the coffin at the funeral.

obscure

adj. not well known to many people

synonym : esoteric, vague, unrecognized

(1) **obscure** answer, (2) **obscure** artist

This information was primarily **obscured** in the first release.

haze

n. atmospheric moisture, dust, or smoke that makes it less clear; a state of mental confusion caused by lack of clarity

synonym : fog, mist, brume

(1) a **haze** of illusion, (2) **haze** of tears

We couldn't see him through the **haze** of smoke.

outstanding

adj. superior to others in excellence; not yet paid, completed, etc.

synonym : distinguished, excellent, unprecedented

(1) an **outstanding** new record, (2) pay **outstanding** debts

It's an area of **outstanding** natural beauty.

orbit

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

synonym : path, course, trajectory

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

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

launch

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

synonym : start, initiate, begin

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

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

arrival

n. the act or situation of coming or being brought to a place; accomplishment of an objective

synonym : reaching, appearance, coming

(1) **arrival** and departure gate, (2) **arrival** at a conclusion

Weather forecasters are predicting the **arrival** of a heatwave.

determinant

n. a factor, circumstance, or condition that contributes to the shaping, influencing, or determining of a particular outcome or result

synonym: cause, factor, element

(1) environmental **determinant**, (2) a **determinant** of crop yields

One **determinant** of success is having a positive attitude and a strong work ethic.

stripe

n. a long, narrow band of a different color or texture than the surface on which it appears

synonym: line, band, streak

(1) a white **stripe**, (2) **stripe** texture

The plates have a blue **stripe** around the edge.

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.

recognizable

adj. easy to become aware of or identify

synonym: noticeable, perceptible, definite

(1) to a **recognizable** degree, (2) **recognizable** landmark

His car was easily **recognizable** in the parking lot.

refer

v. to direct someone's attention, thoughts, or questions to another source or person; to mention, cite, or allude to something as evidence or support

synonym: cite, allude, mention

(1) **refer** to a book, (2) **refer** to a map

Please **refer** to the instruction manual for further assistance.

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.

organic

adj. of or derived from biological substance; producing plants and animals for food and other items without the use of synthetic chemicals

synonym : biological

(1) **organic** soils, (2) eat **organic** food

The kidney is an **organic** component of the body.

privilege

n. a special right or advantage that only one person or group of people has, usually because they are rich and powerful in a society

synonym : benefit, authorization, advantage

(1) a breach of **privilege**, (2) **privilege** of membership

In the Middle Ages, the right to hunt in the wild was the **privilege** of royalty and nobility.

geology

n. a science that deals with the history of the earth as recorded in rocks

synonym : earth science

(1) bureau of **geology**, (2) local **geology**

He was a visiting **geology** professor at the University of Tokyo.

hint

n. an indirect suggestion; a slight but appreciable amount of something

synonym : clue, indication, suggestion

(1) **hint** of trouble, (2) helpful **hints**

There was no **hint** of a problem.

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.

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.

belt

v. to sing loudly and forcefully; to hit someone or something hard; (noun) a strip of leather or other material worn to tie or buckle something around the body

synonym: sing, hit hard, (noun) strap

(1) **belt** him in the face, (2) leather **belt**

The band was **belting** out old songs in response to audience requests.

immense

adj. extremely large or great

synonym: enormous, giant, huge

(1) **immense** amount, (2) **immense** pressure

He left his wife an **immense** fortune.

interior

n. the inside or inner part of something; the space within the walls of a building

synonym: inner, inside, internal

(1) **interior** decoration, (2) plenty of **interior** space

The painter focused on the moody **interiors** of abandoned buildings in his work.

combine

v. to join or merge to form a single thing or group

synonym: coalesce, cohere, blend

(1) **combine** chemically with another substance,

(2) **combine** augmented reality

Hydrogen and oxygen **combine** to form water.

exotic

adj. originating from or characteristic of a foreign country or culture; strikingly unusual, uncommon, or intriguing

synonym: foreign, alien, unfamiliar

(1) **exotic** species, (2) **exotic** vacation

I love trying **exotic** foods from different cultures.

ethane

n. a colorless, odorless hydrocarbon gas with the molecular formula C_2H_6 that is a basic component of natural gas and is used as a fuel source and in the production of chemicals

synonym : natural gas, methane, propane

(1) **ethane** production, (2) **ethane** gas

Ethane combustion is an important energy source for heating and electricity generation.

fascinating

adj. extremely interesting

synonym : alluring, intriguing, captivating

(1) **fascinating** story, (2) completely **fascinating** to me

The museum houses a **fascinating** collection of Celtic artifacts.

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.

dragonfly

n. a slender-bodied non-stinging insect having two pairs of large transparent wings that are outspread at rest

(1) **dragonfly** passing over the water, (2) **dragonfly** larva

I caught a rare **dragonfly** in the mountains.

applied

adj. of or relating to a subject of study, especially a science, that is used in a practical way

synonym : practical, practiced, used

(1) **applied** research, (2) **applied** physics

Military technology eventually became the foundation for

applied technology that supported people's lives.

physics

n. the science of matter and energy and their interactions

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

He studied the **physics** of radiation.

laboratory

n. a workplace for doing scientific research or teaching science; a lab

synonym: lab, workshop, testing room

(1) **laboratory** accident, (2) anthropology **laboratory**

Animal protection groups call for an end to animal testing in a **laboratory**.

schedule

n. a list of planned activities, tasks, or things that must be completed showing when they are intended to happen or be done

synonym: agenda, program, itinerary

(1) a heavy **schedule**, (2) arrange my **schedule**

So far, the meeting is going according to **schedule**.

rotorcraft

n. an aircraft or vehicle that uses one or more rotors for lift, propulsion, and directional control, including helicopters, gyroplanes, and tilt rotors

synonym: helicopter, gyroplane, autogyro

(1) lithium-powered **rotorcraft**, (2) **rotorcraft** technology

The company specializes in the design and manufacturing of high-performance **rotorcraft**.

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.

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**.

technique

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

synonym: approach, procedure, strategy

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

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

octocopter

n. a type of uncrewed, remote-controlled aerial vehicle or drone that is powered by eight electric motors and uses rotors to achieve vertical takeoff and landing, as well as maneuvering in various directions

synonym: drone, multicopter, UAV

(1) aerial **octocopter**, (2) six-rotor **octocopter**

The **octocopter** drone can hover and shoot stable aerial footage.

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.

investigate

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

synonym: examine, analyze, look into

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

The committee **investigated** several apparent inconsistencies.

chemistry

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

(1) professor of **chemistry**, (2) the **chemistry** of soil
He is familiar with **chemistry** and biology.

interact

v. to communicate or react with somebody
synonym: cooperate, combine, collaborate

(1) **interact** directly with customers, (2) **interact** with one another

He should **interact** more with his colleagues.

earthquake

n. a sudden and violent shaking of the ground caused by the movement of rock beneath the earth's surface
synonym: seismic activity, tremor, temblor

(1) an **earthquake** zone, (2) an **earthquake-proof**

The violent **earthquake** caused widespread damage and injuries throughout the region.

quake

v. to shake or vibrate violently and for a short time
synonym: shake, trembler, tremor

(1) **quake** in his boots, (2) **quake** with cold

The earth began to **quake**, and he knew he had to leave the building immediately.

crust

n. a hard outer layer that forms on the surface of a liquid as it cools or on a solid as a result of exposure to air or moisture

synonym: layer, coating, shell

(1) **crust** formation, (2) the earth's **crust**

The bread's **crust** was golden brown and crispy.

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.

autonomous

adj. capable of governing or controlling its affairs

synonym: independent, self-governing, self-reliant

(1) development of **autonomous** vehicles, (2) an **autonomous** judiciary

Five of the six provinces will become **autonomous** regions under the new federal system of government.

navigation

n. the act of directing a ship or airplane from place to place; advice or information intended to resolve a problem or challenge, especially as given by someone in authority

synonym: sailing, seafaring, pilotage

(1) **navigation** system, (2) visual **navigation**

The plane's **navigation** system had problems, which mechanics found.

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.

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.

descend

v. to move downward and lower; to come from, or to be connected by a relationship of blood

synonym: dip, drop, come down

(1) **descend** a steep hill, (2) **descend** by elevator

She was **descended** from an old Italian noble family.

veil

n. a piece of fine cloth worn by women to cover or conceal the face; (verb) to cover, conceal, or obscure

synonym: cover, mask, (verb) conceal

(1) **veil** of mystery, (2) **veil** her face

He lifted her **veil** with both hands.

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**.

probe

n. a tool used for testing or examining, especially for medical or scientific purposes, or an exploratory mission to a planet or other celestial body; (verb) to investigate, examine, or search into something

synonym: investigation, inquiry, examination

(1) a lunar **probe**, (2) **probe** for inside information

NASA sent a **probe** to study the atmosphere of Jupiter.

analog

adj. relating to or using signals or information represented by a continuous physical quantity such as spatial position, voltage, etc.

(1) an **analog** watch, (2) digitization of **analog** sounds

Mercury thermometers are a type of **analog** sensor.

ingredient

n. one of the things used to make something, especially one of the foods used to make a particular dish

synonym: element, component

(1) secret **ingredients**, (2) compound the **ingredients**

Greed is the primary **ingredient** in the making of criminals.

immerse

v. to become fully involved in a particular activity; to dip or submerge in a liquid, especially so that they or it are entirely covered

synonym: dip, inundate, submerge

(1) **immerse** the cloth in the dye, (2) completely **immerse** the ingredient

He **immersed** himself in his research.

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.

compound

n. an item composed of two or more distinct elements combined; a chemical formed by the combination of two or more elements

synonym: combination, mixture, blend

(1) aquatic **compound**, (2) harmful **compound**

Common salt is a sodium and chlorine **compound**.

habitable

adj. able to be lived in, suitable or fit for living in, providing sufficient conditions for survival and well-being

synonym: inhabitable, livable, viable

(1) **habitable** planet, (2) **habitable** space

The astronauts discovered a potentially **habitable** planet in the neighboring galaxy.

concept

n. an idea or principle associated with something abstract

synonym: idea, notion, vision

(1) learn new **concepts**, (2) **concept** car

One such rapidly growing **concept** is quantum cryptography.

suitable

adj. fit or appropriate; proper; adapted

synonym : appropriate, fitting, proper

(1) **suitable** amount, (2) date **suitable** to both groups

The dress was **suitable** for the formal occasion.

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.

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.

biology

n. the scientific study of life and the natural processes of living things

(1) evolutionary **biology**, (2) cell and molecular **biology**

In junior high school, we had to dissect a frog in **biology** class.

chemical

adj. relating to or connected with chemistry;

synonym : chemic, synthetic

(1) toxic **chemicals**, (2) a **chemical** compound

The firm has grown into a large **chemical** manufacturing.

process

n. a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or

approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products

synonym : procedure, method, system

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

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

molecule

n. a group of two or more atoms held together by attractive forces known as chemical bonds

synonym : particle, element, atom

(1) small **molecules**, (2) **molecule** behavior

The shape of the DNA **molecule** is a double helix.

opportune

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

synonym : suitable, timely, practical

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

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

synthesis

n. the combination of components or elements to form a more complex whole; the creation of something new through combining parts or elements

synonym : combination, integration, compound

(1) **synthesis** of ammonia, (2) protein **synthesis** inhibitor

The chemical **synthesis** of the new drug was a breakthrough in medical research.

progression

n. the act or process of changing to the next stage or phase or moving forward

synonym : advancement, development, evolution

(1) **progression** of civilization, (2) **progression** of disease

The company has made great strides in its **progression** toward sustainability.

fundamental

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

synonym : basic, essential, entire

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

Human behavior has **fundamental** characteristics.

endeavor

v. to make an earnest attempt or effort; to strive or work hard towards a goal or objective

synonym : attempt, strive, undertake

(1) **endeavor** to succeed, (2) **endeavor** as much as possible

We will **endeavor** to find a solution to the problem as quickly as possible.

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.

ultimate

adj. furthest or highest in degree or order

synonym : highest, maximum, foremost

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

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

manna

n. a sweet-tasting and nutritious substance that, according to the Bible, was provided by God to the Israelites during their journey through the wilderness; any unexpected or miraculous source of sustenance or benefit

synonym : sustenance, nourishment

(1) **manna** from heaven, (2) **manna** in the desert

In the desert, the travelers survived by eating **manna**, a miraculous food on the ground.

heaven

n. (of various religious and mythological traditions) a place or state of existence considered to be the abode of the

divine, the afterlife, or a higher realm of being; a state of great happiness, contentment, or beauty

synonym: paradise, nirvana, utopia

(1) ascend to **heaven**, (2) **heaven** on earth

He felt like **heaven** when he tasted the delicious chocolate cake.

largely

adv. virtually entirely; to a large degree

synonym: mainly, chiefly, broadly

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

Nevada is **largely** a desert state.

alter

v. to cause to change or make different

synonym: change, vary, adjust

(1) **alter** a decision, (2) **alter** data in a file

The design of the webpage has **altered** slightly.

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.

Session 2: Spelling

1. lab_____ry accident *n.* a workplace for doing scientific research or teaching science; a lab
2. laws of ph_____s *n.* the science of matter and energy and their interactions
3. as_____id explorer *n.* a small rocky body orbiting the sun, typically in the region between Mars and Jupiter
4. ob_____e artist *adj.* not well known to many people
5. d_n horse *adj.* having a dull brownish-gray color, often used to describe the color of certain animals, such as a dun horse; (verb) to repeatedly and insistently demand payment of a debt or money owed
6. the ul_____te luxury *adj.* furthest or highest in degree or order
7. an aut_____us judiciary *adj.* capable of governing or controlling its affairs
8. hazardous li_____d *n.* a substance, such as water or oil that flows freely and is neither a solid nor a gas
9. an ear_____ke-proof *n.* a sudden and violent shaking of the ground caused by the movement of rock beneath the earth's surface
10. plenty of in_____or space *n.* the inside or inner part of something; the space within the walls of a building
11. a h__e of illusion *n.* atmospheric moisture, dust, or smoke that makes it less clear; a state of mental confusion caused by lack of clarity

ANSWERS: 1. laboratory, 2. physics, 3. asteroid, 4. obscure, 5. dun, 6. ultimate, 7. autonomous, 8. liquid, 9. earthquake, 10. interior, 11. haze

12. 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
13. professor of ch_____ry
n. the branch of the natural sciences dealing with the composition of substances and their properties and reactions
14. 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)
15. Jo____n satellites
adj. relating to Jupiter or its characteristics
16. the earth's cr__t
n. a hard outer layer that forms on the surface of a liquid as it cools or on a solid as a result of exposure to air or moisture
17. pro_____on of disease
n. the act or process of changing to the next stage or phase or moving forward
18. co_____t car
n. an idea or principle associated with something abstract
19. im_____e amount
adj. extremely large or great
20. exp_____al growth
adj. becoming more and more rapid; of or involving mathematical exponents
21. h__e of tears
n. atmospheric moisture, dust, or smoke that makes it less clear; a state of mental confusion caused by lack of clarity

ANSWERS: 12. explore, 13. chemistry, 14. titanic, 15. Jovian, 16. crust, 17. progression, 18. concept, 19. immense, 20. exponential, 21. haze

22. dr_____ly larva *n.* a slender-bodied non-stinging insect having two pairs of large transparent wings that are outspread at rest
23. an out_____ng new record *adj.* superior to others in excellence; not yet paid, completed, etc.
24. 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.
25. digitization of an___g sounds *adj.* relating to or using signals or information represented by a continuous physical quantity such as spatial position, voltage, etc.
26. chaotic env_____nt *n.* the natural world such as air, water, and land in which humans, animals, and plants live
27. s__d castle *n.* finely granulated particles of rock or mineral material typically found along beaches, deserts, or riverbeds; used in construction, landscaping, and other applications requiring drainage or abrasive action
28. co_____e chemically with another substance *v.* to join or merge to form a single thing or group
29. in_____ct with one another *v.* to communicate or react with somebody
30. bl_____t scarf *n.* a large piece of soft material used to cover or wrap a person or thing to keep them warm; (adjective) broad in scope or content
31. ap_____d research *adj.* of or relating to a subject of study, especially a science, that is used in a practical way

ANSWERS: 22. dragonfly, 23. outstanding, 24. orbit, 25. analog, 26. environment, 27. sand, 28. combine, 29. interact, 30. blanket, 31. applied

32. the ch_____ry of soil *n.* the branch of the natural sciences dealing with the composition of substances and their properties and reactions
33. st__k truth *adj.* empty, simple, or apparent; devoid of any qualifications
34. fun_____al education *adj.* forming an essential base or core from which everything else develops or is affected
35. fas_____ng story *adj.* extremely interesting
36. future of space exp_____on *n.* the activity of searching and finding out about something through a place
37. pos_____ty of a major earthquake *n.* a chance that something may happen or be true
38. an op_____ne remark *adj.* suitable or happening at a time that is suitable or convenient for a particular purpose
39. lunar cr___r *n.* a huge bowl-shaped cavity in the earth or an object in space, usually created by an explosion or the impact of a meteorite
40. cr___r lake *n.* a huge bowl-shaped cavity in the earth or an object in space, usually created by an explosion or the impact of a meteorite
41. ob_____e answer *adj.* not well known to many people
42. st___e texture *n.* a long, narrow band of a different color or texture than the surface on which it appears

ANSWERS: 32. chemistry, 33. stark, 34. fundamental, 35. fascinating, 36. exploration, 37. possibility, 38. opportune, 39. crater, 40. crater, 41. obscure, 42. stripe

43. et___e production *n.* a colorless, odorless hydrocarbon gas with the molecular formula C₂H₆ that is a basic component of natural gas and is used as a fuel source and in the production of chemicals
44. cr__t formation *n.* a hard outer layer that forms on the surface of a liquid as it cools or on a solid as a result of exposure to air or moisture
45. an an___g watch *adj.* relating to or using signals or information represented by a continuous physical quantity such as spatial position, voltage, etc.
46. the ul____te goal in life *adj.* furthest or highest in degree or order
47. ob_____e wildlife *v.* to watch or notice something carefully, often to gather information or insights; to take note of something or someone; to celebrate or commemorate a special event or occasion
48. a gr__d meal *adj.* important and large in size, scope, or extent
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
50. la___h a big attack *v.* to send or propel something into the air or space using a device such as a rocket, missile, or spacecraft; to make something available or on sale for the first time

ANSWERS: 43. ethane, 44. crust, 45. analog, 46. ultimate, 47. observe, 48. grand, 49. instrument, 50. launch

51. pr_____ge of membership *n.* a special right or advantage that only one person or group of people has, usually because they are rich and powerful in a society
52. an ear_____ke zone *n.* a sudden and violent shaking of the ground caused by the movement of rock beneath the earth's surface
53. or_____c soils *adj.* of or derived from biological substance; producing plants and animals for food and other items without the use of synthetic chemicals
54. sw__p a room with a glance *v.* to clean something, especially a floor or an area, by using a broom; move swiftly and smoothly
55. compound the ing_____nts *n.* one of the things used to make something, especially one of the foods used to make a particular dish
56. co_____e augmented reality *v.* to join or merge to form a single thing or group
57. s__d dunes *n.* finely granulated particles of rock or mineral material typically found along beaches, deserts, or riverbeds; used in construction, landscaping, and other applications requiring drainage or abrasive action
58. evolutionary bi_____y *n.* the scientific study of life and the natural processes of living things
59. sh____d of mystery *n.* a length of cloth or other material used to cover or wrap a dead body; something that conceals or obscures something else, often used metaphorically

ANSWERS: 51. privilege, 52. earthquake, 53. organic, 54. sweep, 55. ingredient, 56. combine, 57. sand, 58. biology, 59. shroud

60. be____h contempt *adv.* in or to a lower place than someone or something
61. m_r the reputation *v.* to damage or spoil the appearance or surface of something
62. in____e him to write a novel *v.* to make somebody fill with the desire, confidence, or enthusiasm, especially to do something creative
63. pr__e for inside information *n.* a tool used for testing or examining, especially for medical or scientific purposes, or an exploratory mission to a planet or other celestial body; (verb) to investigate, examine, or search into something
64. im____ry pregnancy *adj.* existing only in someone's mind
65. fun____al rights *adj.* forming an essential base or core from which everything else develops or is affected
66. decision-making pr____s *n.* a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products
67. 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

ANSWERS: 60. beneath, 61. mar, 62. inspire, 63. probe, 64. imaginary, 65. fundamental, 66. process, 67. instrument

68. as____id mining *n.* a small rocky body orbiting the sun, typically in the region between Mars and Jupiter
69. arrange my sc____le *n.* a list of planned activities, tasks, or things that must be completed showing when they are intended to happen or be done
70. m_r a proper relationship *v.* to damage or spoil the appearance or surface of something
71. en____or to succeed *v.* to make an earnest attempt or effort; to strive or work hard towards a goal or objective
72. doubling of atm____ic carbon dioxide *adj.* about or located in the earth's atmosphere
73. 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
74. ar____l and departure gate *n.* the act or situation of coming or being brought to a place; accomplishment of an objective
75. atmospheric me____e *n.* a chemical compound with the chemical formula CH₄ with no smell or color, often used as a fuel
76. sy____is of ammonia *n.* the combination of components or elements to form a more complex whole; the creation of something new through combining parts or elements

ANSWERS: 68. asteroid, 69. schedule, 70. mar, 71. endeavor, 72. atmospheric, 73. develop, 74. arrival, 75. methane, 76. synthesis

77. a det_____nt of crop yields *n.* a factor, circumstance, or condition that contributes to the shaping, influencing, or determining of a particular outcome or result
78. de_____d a steep hill *v.* to move downward and lower; to come from, or to be connected by a relationship of blood
79. pay out_____ng debts *adj.* superior to others in excellence; not yet paid, completed, etc.
80. ex____c vacation *adj.* originating from or characteristic of a foreign country or culture; strikingly unusual, uncommon, or intriguing
81. ob_____e a tradition *v.* to watch or notice something carefully, often to gather information or insights; to take note of something or someone; to celebrate or commemorate a special event or occasion
82. en_____or as much as possible *v.* to make an earnest attempt or effort; to strive or work hard towards a goal or objective
83. dr_____ly passing over the water *n.* a slender-bodied non-stinging insect having two pairs of large transparent wings that are outspread at rest
84. lunar ro__r *n.* a vehicle designed to travel over rough terrain, especially on the surface of a planet or moon
85. harmful co_____nd *n.* an item composed of two or more distinct elements combined; a chemical formed by the combination of two or more elements

ANSWERS: 77. determinant, 78. descend, 79. outstanding, 80. exotic, 81. observe, 82. endeavor, 83. dragonfly, 84. rover, 85. compound

86. la___h a spaceship into orbit *v.* to send or propel something into the air or space using a device such as a rocket, missile, or spacecraft; to make something available or on sale for the first time
87. b__t him in the face *v.* to sing loudly and forcefully; to hit someone or something hard; (noun) a strip of leather or other material worn to tie or buckle something around the body
88. unsolved my____y *n.* something difficult to understand or explain; a secret or enigmatic quality that adds to the fascination or interest of something; a genre of fiction that involves the solution of a crime or a puzzle
89. small mo____les *n.* a group of two or more atoms held together by attractive forces known as chemical bonds
90. to a rec____ble degree *adj.* easy to become aware of or identify
91. 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
92. su____le amount *adj.* fit or appropriate; proper; adapted
93. the ground be____h my feet *adv.* in or to a lower place than someone or something
94. racial or____n *n.* the first existence or beginning of something
95. completely im____e the ingredient *v.* to become fully involved in a particular activity; to dip or submerge in a liquid, especially so that they or it are entirely covered

ANSWERS: 86. launch, 87. belt, 88. mystery, 89. molecule, 90. recognizable, 91. alien, 92. suitable, 93. beneath, 94. origin, 95. immerse

96. diagnosed in_____ly as a tumor *adv.* at the beginning; at first
97. re__r to a map *v.* to direct someone's attention, thoughts, or questions to another source or person; to mention, cite, or allude to something as evidence or support
98. im_____e pressure *adj.* extremely large or great
99. in_____or decoration *n.* the inside or inner part of something; the space within the walls of a building
100. de__e forests *adj.* containing a large number of people or something with little space between them
101. 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)
102. helpful h__ts *n.* an indirect suggestion; a slight but appreciable amount of something
103. qu__e in his boots *v.* to shake or vibrate violently and for a short time
104. 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
105. v__l of mystery *n.* a piece of fine cloth worn by women to cover or conceal the face; (verb) to cover, conceal, or obscure
106. ex___c species *adj.* originating from or characteristic of a foreign country or culture; strikingly unusual, uncommon, or intriguing

ANSWERS: 96. initially, 97. refer, 98. immense, 99. interior, 100. dense, 101. titanic, 102. hint, 103. quake, 104. atmosphere, 105. veil, 106. exotic

107. pl__n answer *adj.* without being decorated in any way;
(Noun) a vast expanse of flat land with few trees
108. in____ct directly with customers *v.* to communicate or react with somebody
109. sh____d of suspicion *n.* a length of cloth or other material used to cover or wrap a dead body; something that conceals or obscures something else, often used metaphorically
110. sc____h my signature *v.* to cut or damage the surface of something or the skin with a sharp or pointed object
111. learn new co____ts *n.* an idea or principle associated with something abstract
112. al__r a decision *v.* to cause to change or make different
113. inv____te a data leak *v.* to conduct a systematic or formal inquiry to identify and evaluate the facts of a crime, problem, statement, etc. to establish the truth
114. la____y mitigate the issue *adv.* virtually entirely; to a large degree
115. cast i_y eyes *adj.* covered with ice or frost; very cold; lacking warmth or friendliness
116. a vo____e of discovery *n.* a long journey, especially by sea or in space
117. aquatic co____nd *n.* an item composed of two or more distinct elements combined; a chemical formed by the combination of two or more elements

ANSWERS: 107. plain, 108. interact, 109. shroud, 110. scratch, 111. concept, 112. alter, 113. investigate, 114. largely, 115. icy, 116. voyage, 117. compound

118. 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
119. the te_____ue applied to construction *n.* a particular way or art of doing something that needs skill
120. an Arctic exp_____on *n.* the activity of searching and finding out about something through a place
121. ma__a in the desert *n.* a sweet-tasting and nutritious substance that, according to the Bible, was provided by God to the Israelites during their journey through the wilderness; any unexpected or miraculous source of sustenance or benefit
122. local ge_____y *n.* a science that deals with the history of the earth as recorded in rocks
123. ro__r mission *n.* a vehicle designed to travel over rough terrain, especially on the surface of a planet or moon
124. bl_____t authority *n.* a large piece of soft material used to cover or wrap a person or thing to keep them warm; (adjective) broad in scope or content
125. nutrient-de__e foods *adj.* containing a large number of people or something with little space between them
126. toxic ch_____als *adj.* relating to or connected with chemistry;
127. cell and molecular bi_____y *n.* the scientific study of life and the natural processes of living things

ANSWERS: 118. explore, 119. technique, 120. exploration, 121. manna, 122. geology, 123. rover, 124. blanket, 125. dense, 126. chemical, 127. biology

128. exp_____al function *adj.* becoming more and more rapid; of or involving mathematical exponents
129. pro_____on of civilization *n.* the act or process of changing to the next stage or phase or moving forward
130. ha_____le planet *adj.* able to be lived in, suitable or fit for living in, providing sufficient conditions for survival and well-being
131. st__k landscape *adj.* empty, simple, or apparent; devoid of any qualifications
132. leather b__t *v.* to sing loudly and forcefully; to hit someone or something hard; (noun) a strip of leather or other material worn to tie or buckle something around the body
133. ge_____hy class *n.* a field of science devoted to the study of the lands, features, inhabitants, and phenomena of the Earth
134. ca_____e customers' hearts *v.* to catch a person or an animal and confine them in an area which they cannot escape
135. sw__p up dead leaves *v.* to clean something, especially a floor or an area, by using a broom; move swiftly and smoothly
136. environmental det_____nt *n.* a factor, circumstance, or condition that contributes to the shaping, influencing, or determining of a particular outcome or result
137. v__l her face *n.* a piece of fine cloth worn by women to cover or conceal the face; (verb) to cover, conceal, or obscure

ANSWERS: 128. exponential, 129. progression, 130. habitable, 131. stark, 132. belt, 133. geography, 134. capture, 135. sweep, 136. determinant, 137. veil

138. d_n him for the unpaid bills *adj.* having a dull brownish-gray color, often used to describe the color of certain animals, such as a dun horse; (verb) to repeatedly and insistently demand payment of a debt or money owed
139. ca_____e a glimpse *v.* to catch a person or an animal and confine them in an area which they cannot escape
140. rec_____ble landmark *adj.* easy to become aware of or identify
141. pos_____ty for growth *n.* a chance that something may happen or be true
142. im_____ry number *adj.* existing only in someone's mind
143. a ch_____al compound *adj.* relating to or connected with chemistry;
144. Jo____n planet *adj.* relating to Jupiter or its characteristics
145. aerial oct_____er *n.* a type of uncrewed, remote-controlled aerial vehicle or drone that is powered by eight electric motors and uses rotors to achieve vertical takeoff and landing, as well as maneuvering in various directions
146. a lunar pr__e *n.* a tool used for testing or examining, especially for medical or scientific purposes, or an exploratory mission to a planet or other celestial body; (verb) to investigate, examine, or search into something
147. a heavy sc_____le *n.* a list of planned activities, tasks, or things that must be completed showing when they are intended to happen or be done

ANSWERS: 138. dun, 139. capture, 140. recognizable, 141. possibility, 142. imaginary, 143. chemical, 144. Jovian, 145. octocopter, 146. probe, 147. schedule

148. date su____le to both groups *adj.* fit or appropriate; proper; adapted
149. atm_____ic pressure *adj.* about or located in the earth's atmosphere
150. ap_____d physics *adj.* of or relating to a subject of study, especially a science, that is used in a practical way
151. la_____y accepted *adv.* virtually entirely; to a large degree
152. my_____y novel *n.* something difficult to understand or explain; a secret or enigmatic quality that adds to the fascination or interest of something; a genre of fiction that involves the solution of a crime or a puzzle
153. ascend to he____n *n.* (of various religious and mythological traditions) a place or state of existence considered to be the abode of the divine, the afterlife, or a higher realm of being; a state of great happiness, contentment, or beauty
154. six-rotor oct_____er *n.* a type of uncrewed, remote-controlled aerial vehicle or drone that is powered by eight electric motors and uses rotors to achieve vertical takeoff and landing, as well as maneuvering in various directions
155. in_____ly anticipated *adv.* at the beginning; at first
156. a white st____e *n.* a long, narrow band of a different color or texture than the surface on which it appears

ANSWERS: 148. suitable, 149. atmospheric, 150. applied, 151. largely, 152. mystery, 153. heaven, 154. octocopter, 155. initially, 156. stripe

157. qu__e with cold *v.* to shake or vibrate violently and for a short time
158. visual nav_____on *n.* the act of directing a ship or airplane from place to place; advice or information intended to resolve a problem or challenge, especially as given by someone in authority
159. h__t of trouble *n.* an indirect suggestion; a slight but appreciable amount of something
160. development of aut_____us vehicles *adj.* capable of governing or controlling its affairs
161. 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
162. completely fas_____ng to me *adj.* extremely interesting
163. op_____ne occasion *adj.* suitable or happening at a time that is suitable or convenient for a particular purpose
164. a te_____ue in martial arts *n.* a particular way or art of doing something that needs skill
165. h__y atmosphere *adj.* not clear due to a lack of recollection, comprehension, or detail; unsure or perplexed about something
166. rot_____ft technology *n.* an aircraft or vehicle that uses one or more rotors for lift, propulsion, and directional control, including helicopters, gyroplanes, and tilt rotors

ANSWERS: 157. quake, 158. navigation, 159. hint, 160. autonomous, 161. alien, 162. fascinating, 163. opportune, 164. technique, 165. hazy, 166. rotorcraft

167. 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
168. re__r to a book *v.* to direct someone's attention, thoughts, or questions to another source or person; to mention, cite, or allude to something as evidence or support
169. in_____e a feeling of curiosity *v.* to make somebody fill with the desire, confidence, or enthusiasm, especially to do something creative
170. protein sy_____is inhibitor *n.* the combination of components or elements to form a more complex whole; the creation of something new through combining parts or elements
171. h__y dream *adj.* not clear due to a lack of recollection, comprehension, or detail; unsure or perplexed about something
172. lithium-powered rot_____ft *n.* an aircraft or vehicle that uses one or more rotors for lift, propulsion, and directional control, including helicopters, gyroplanes, and tilt rotors
173. colorless li____d *n.* a substance, such as water or oil that flows freely and is neither a solid nor a gas
174. al__r data in a file *v.* to cause to change or make different
175. 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: 167. gravity, 168. refer, 169. inspire, 170. synthesis, 171. hazy, 172. rotorcraft, 173. liquid, 174. alter, 175. develop

176. a breach of pr_____ge *n.* a special right or advantage that only one person or group of people has, usually because they are rich and powerful in a society
177. he___n on earth *n.* (of various religious and mythological traditions) a place or state of existence considered to be the abode of the divine, the afterlife, or a higher realm of being; a state of great happiness, contentment, or beauty
178. de_____d by elevator *v.* to move downward and lower; to come from, or to be connected by a relationship of blood
179. im_____e the cloth in the dye *v.* to become fully involved in a particular activity; to dip or submerge in a liquid, especially so that they or it are entirely covered
180. economic ge_____hy *n.* a field of science devoted to the study of the lands, features, inhabitants, and phenomena of the Earth
181. et___e gas *n.* a colorless, odorless hydrocarbon gas with the molecular formula C₂H₆ that is a basic component of natural gas and is used as a fuel source and in the production of chemicals
182. nav_____on system *n.* the act of directing a ship or airplane from place to place; advice or information intended to resolve a problem or challenge, especially as given by someone in authority

ANSWERS: 176. privilege, 177. heaven, 178. descend, 179. immerse, 180. geography, 181. ethane, 182. navigation

183. 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.
184. eat or____c food *adj.* of or derived from biological substance; producing plants and animals for food and other items without the use of synthetic chemicals
185. bureau of ge____y *n.* a science that deals with the history of the earth as recorded in rocks
186. v__t desert *adj.* enormous in size, number, amount, or quantity
187. ar____l at a conclusion *n.* the act or situation of coming or being brought to a place; accomplishment of an objective
188. delta pl__n *adj.* without being decorated in any way; (Noun) a vast expanse of flat land with few trees
189. secret ing____nts *n.* one of the things used to make something, especially one of the foods used to make a particular dish
190. nuclear ph____s *n.* the science of matter and energy and their interactions
191. 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
192. inv____te the matter *v.* to conduct a systematic or formal inquiry to identify and evaluate the facts of a crime, problem, statement, etc. to establish the truth

ANSWERS: 183. orbit, 184. organic, 185. geology, 186. vast, 187. arrival, 188. plain, 189. ingredient, 190. physics, 191. tantalize, 192. investigate

193. env_____nt affairs *n.* the natural world such as air, water, and land in which humans, animals, and plants live
194. v__t majority *adj.* enormous in size, number, amount, or quantity
195. 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
196. or____n of information *n.* the first existence or beginning of something
197. i_y clouds *adj.* covered with ice or frost; very cold; lacking warmth or friendliness
198. take a vo____e *n.* a long journey, especially by sea or in space
199. 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
200. pr_____s improvement *n.* a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products
201. reduce me_____e emissions *n.* a chemical compound with the chemical formula CH₄ with no smell or color, often used as a fuel

ANSWERS: 193. environment, 194. vast, 195. gravity, 196. origin, 197. icy, 198. voyage, 199. tantalize, 200. process, 201. methane

202. anthropology lab_____ry *n.* a workplace for doing scientific research or teaching science; a lab
203. 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
204. ha_____le space *adj.* able to be lived in, suitable or fit for living in, providing sufficient conditions for survival and well-being
205. mo_____le behavior *n.* a group of two or more atoms held together by attractive forces known as chemical bonds
206. gr__d bargain *adj.* important and large in size, scope, or extent
207. ma__a from heaven *n.* a sweet-tasting and nutritious substance that, according to the Bible, was provided by God to the Israelites during their journey through the wilderness; any unexpected or miraculous source of sustenance or benefit
208. sc_____h off a name *v.* to cut or damage the surface of something or the skin with a sharp or pointed object

ANSWERS: 202. laboratory, 203. atmosphere, 204. habitable, 205. molecule, 206. grand, 207. manna, 208. scratch

Session 3: Fill in the Blanks

1. Greed is the primary _____ in the making of criminals.
n. one of the things used to make something, especially one of the foods used to make a particular dish
2. The dress was _____ for the formal occasion.
adj. fit or appropriate; proper; adapted
3. 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
4. Mercury thermometers are a type of _____ sensor.
adj. relating to or using signals or information represented by a continuous physical quantity such as spatial position, voltage, etc.
5. The band was _____ out old songs in response to audience requests.
v. to sing loudly and forcefully; to hit someone or something hard; (noun) a strip of leather or other material worn to tie or buckle something around the body
6. His car was easily _____ in the parking lot.
adj. easy to become aware of or identify
7. _____ combustion is an important energy source for heating and electricity generation.
n. a colorless, odorless hydrocarbon gas with the molecular formula C_2H_6 that is a basic component of natural gas and is used as a fuel source and in the production of chemicals

ANSWERS: 1. ingredient, 2. suitable, 3. rover, 4. analog, 5. belting, 6. recognizable, 7. Ethane

8. He is familiar with _____ and biology.

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

9. He _____ himself in his research.

v. to become fully involved in a particular activity; to dip or submerge in a liquid, especially so that they or it are entirely covered

10. Jockey's superior _____ brought him victory.

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

11. 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)

12. The sponge takes up the _____ well.

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

13. An enormous _____ marks the area where the vast volcanic explosion occurred.

n. a huge bowl-shaped cavity in the earth or an object in space, usually created by an explosion or the impact of a meteorite

14. The committee _____ several apparent inconsistencies.

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

15. The lowest lowland region is mostly flat _____.

adj. without being decorated in any way; (Noun) a vast expanse of flat land with few trees

ANSWERS: 8. chemistry, 9. immersed, 10. technique, 11. titanic, 12. liquid, 13. crater, 14. investigated, 15. plain

16. 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
17. The scratches on the car _____ its otherwise perfect appearance.
- v. to damage or spoil the appearance or surface of something
18. My memories of the holiday were _____.
- adj. not clear due to a lack of recollection, comprehension, or detail; unsure or perplexed about something
19. He left his wife an _____ fortune.
- adj. extremely large or great
20. The company specializes in the design and manufacturing of high-performance _____.
- n. an aircraft or vehicle that uses one or more rotors for lift, propulsion, and directional control, including helicopters, gyroplanes, and tilt rotors
21. The sea surface temperature and _____ circulation are inextricably linked.
- adj. about or located in the earth's atmosphere
22. Five of the six provinces will become _____ regions under the new federal system of government.
- adj. capable of governing or controlling its affairs
23. We will _____ to find a solution to the problem as quickly as possible.
- v. to make an earnest attempt or effort; to strive or work hard towards a goal or objective

ANSWERS: 16. explore, 17. marred, 18. hazy, 19. immense, 20. rotorcraft, 21. atmospheric, 22. autonomous, 23. endeavor

24. Hydrogen and oxygen _____ to form water.

v. to join or merge to form a single thing or group

25. The _____ for applying for a visa can be lengthy and complicated.

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

26. 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

27. I caught a rare _____ in the mountains.

n. a slender-bodied non-stinging insect having two pairs of large transparent wings that are outspread at rest

28. Since the 1990s, the Internet has continued to experience _____ growth.

adj. becoming more and more rapid; of or involving mathematical exponents

29. The company has made great strides in its _____ toward sustainability.

n. the act or process of changing to the next stage or phase or moving forward

30. The ___ surface of the pond was not safe for skating.

adj. covered with ice or frost; very cold; lacking warmth or friendliness

31. This information was primarily _____ in the first release.

adj. not well known to many people

ANSWERS: 24. combine, 25. process, 26. develop, 27. dragonfly, 28. exponential, 29. progression, 30. icy, 31. obscured

32. 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
33. We couldn't see him through the _____ of smoke.
- n.* atmospheric moisture, dust, or smoke that makes it less clear; a state of mental confusion caused by lack of clarity
34. Weather forecasters are predicting the _____ of a heatwave.
- n.* the act or situation of coming or being brought to a place; accomplishment of an objective
35. The _____ drone can hover and shoot stable aerial footage.
- n.* a type of uncrewed, remote-controlled aerial vehicle or drone that is powered by eight electric motors and uses rotors to achieve vertical takeoff and landing, as well as maneuvering in various directions
36. In junior high school, we had to dissect a frog in _____ class.
- n.* the scientific study of life and the natural processes of living things
37. I was able to _____ the moment on film.
- v.* to catch a person or an animal and confine them in an area which they cannot escape
38. A great stretch of the lake lay _____ them.
- adv.* in or to a lower place than someone or something
39. _____ species have drastically altered the ecosystem in this area.
- n.* a person who comes from a different country, race, or group; a form of life assumed to exist outside the Earth or its atmosphere

ANSWERS: 32. inspired, 33. haze, 34. arrival, 35. octocopter, 36. biology, 37. capture, 38. beneath, 39. Alien

40. The astronauts discovered a potentially _____ planet in the neighboring galaxy.

adj. able to be lived in, suitable or fit for living in, providing sufficient conditions for survival and well-being

41. Animal protection groups call for an end to animal testing in a _____.

n. a workplace for doing scientific research or teaching science; a lab

42. The astronaut trained for years before embarking on her _____ to the International Space Station.

n. a long journey, especially by sea or in space

43. 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

44. Management must take _____ responsibility for the accident.

adj. furthest or highest in degree or order

45. The ignition of _____ gas in the plant killed five employees.

n. a chemical compound with the chemical formula CH₄ with no smell or color, often used as a fuel

46. Nevada is _____ a desert state.

adv. virtually entirely; to a large degree

47. Human behavior has _____ characteristics.

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

ANSWERS: 40. habitable, 41. laboratory, 42. voyage, 43. tantalized, 44. ultimate, 45. methane, 46. largely, 47. fundamental

48. It's an area of _____ natural beauty.

adj. superior to others in excellence; not yet paid, completed, etc.

49. The shape of the DNA _____ is a double helix.

n. a group of two or more atoms held together by attractive forces known as chemical bonds

50. The violent _____ caused widespread damage and injuries throughout the region.

n. a sudden and violent shaking of the ground caused by the movement of rock beneath the earth's surface

51. The kidney is an _____ component of the body.

adj. of or derived from biological substance; producing plants and animals for food and other items without the use of synthetic chemicals

52. He was a visiting _____ professor at the University of Tokyo.

n. a science that deals with the history of the earth as recorded in rocks

53. In the desert, the travelers survived by eating _____ a miraculous food on the ground.

n. a sweet-tasting and nutritious substance that, according to the Bible, was provided by God to the Israelites during their journey through the wilderness; any unexpected or miraculous source of sustenance or benefit

54. The plane's _____ system had problems, which mechanics found.

n. the act of directing a ship or airplane from place to place; advice or information intended to resolve a problem or challenge, especially as given by someone in authority

ANSWERS: 48. outstanding, 49. molecule, 50. earthquake, 51. organic, 52. geology, 53. manna, 54. navigation

55. One _____ of success is having a positive attitude and a strong work ethic.
- n.* a factor, circumstance, or condition that contributes to the shaping, influencing, or determining of a particular outcome or result
56. There are various hypotheses concerning the _____ of life.
- n.* the first existence or beginning of something
57. In the Middle Ages, the right to hunt in the wild was the _____ of royalty and nobility.
- n.* a special right or advantage that only one person or group of people has, usually because they are rich and powerful in a society
58. The earth began to _____ and he knew he had to leave the building immediately.
- v.* to shake or vibrate violently and for a short time
59. The painter focused on the moody _____ of abandoned buildings in his work.
- n.* the inside or inner part of something; the space within the walls of a building
60. The _____ moon Europa is believed to have an ocean beneath its icy surface.
- adj.* relating to Jupiter or its characteristics
61. The plates have a blue _____ around the edge.
- n.* a long, narrow band of a different color or texture than the surface on which it appears
62. The phone rang at the most _____ time.
- adj.* suitable or happening at a time that is suitable or convenient for a particular purpose

ANSWERS: 55. determinant, 56. origin, 57. privilege, 58. quake, 59. interiors, 60. Jovian, 61. stripe, 62. opportune

63. The _____ of getting the disease will drastically increase.
n. a chance that something may happen or be true
64. The museum houses a _____ collection of Celtic artifacts.
adj. extremely interesting
65. He called for a careful _____ of the consequences.
n. the activity of searching and finding out about something through a place
66. The entire mountain is covered in _____ rainforest.
adj. containing a large number of people or something with little space between them
67. The design of the webpage has _____ slightly.
v. to cause to change or make different
68. 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
69. The spider was camouflaged on the _____ rock, waiting for its next prey.
adj. having a dull brownish-gray color, often used to describe the color of certain animals, such as a dun horse; (verb) to repeatedly and insistently demand payment of a debt or money owed
70. The _____ surrounding the disappearance of the traveler has yet to be solved by authorities.
n. something difficult to understand or explain; a secret or enigmatic quality that adds to the fascination or interest of something; a genre of fiction that involves the solution of a crime or a puzzle

ANSWERS: 63. possibility, 64. fascinating, 65. exploration, 66. dense, 67. altered, 68. environment, 69. dun-colored, 70. mystery

71. NASA sent a _____ to study the atmosphere of Jupiter.

- n.* a tool used for testing or examining, especially for medical or scientific purposes, or an exploratory mission to a planet or other celestial body; (verb) to investigate, examine, or search into something

72. He studied the _____ of radiation.

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

73. A _____ audience viewed the broadcast.

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

74. The protective _____ covered the body in the coffin at the funeral.

- n.* a length of cloth or other material used to cover or wrap a dead body; something that conceals or obscures something else, often used metaphorically

75. The chemical _____ of the new drug was a breakthrough in medical research.

- n.* the combination of components or elements to form a more complex whole; the creation of something new through combining parts or elements

76. Military technology eventually became the foundation for _____ technology that supported people's lives.

- adj.* of or relating to a subject of study, especially a science, that is used in a practical way

77. Don't _____ your mosquito bites.

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

ANSWERS: 71. probe, 72. physics, 73. vast, 74. shroud, 75. synthesis, 76. applied, 77. scratch

78. So far, the meeting is going according to _____.

- n.* a list of planned activities, tasks, or things that must be completed showing when they are intended to happen or be done

79. Common salt is a sodium and chlorine _____.

- n.* an item composed of two or more distinct elements combined; a chemical formed by the combination of two or more elements

80. She was _____ from an old Italian noble family.

- v.* to move downward and lower; to come from, or to be connected by a relationship of blood

81. There was no _____ of a problem.

- n.* an indirect suggestion; a slight but appreciable amount of something

82. The bread's _____ was golden brown and crispy.

- n.* a hard outer layer that forms on the surface of a liquid as it cools or on a solid as a result of exposure to air or moisture

83. Little children tend to have _____ friends.

- adj.* existing only in someone's mind

84. 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

85. 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

ANSWERS: 78. schedule, 79. compound, 80. descended, 81. hint, 82. crust, 83. imaginary, 84. atmosphere, 85. instrument

86. This year's _____ gathering will be held in Canada.

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

87. The firm has grown into a large _____ manufacturing.

adj. relating to or connected with chemistry;

88. The scenery of the battlefield was _____ and grey.

adj. empty, simple, or apparent; devoid of any qualifications

89. Please _____ to the instruction manual for further assistance.

v. to direct someone's attention, thoughts, or questions to another source or person; to mention, cite, or allude to something as evidence or support

90. One such rapidly growing _____ is quantum cryptography.

n. an idea or principle associated with something abstract

91. 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

92. 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

93. This train departed later than _____ scheduled.

adv. at the beginning; at first

94. She did well on her _____ exam.

n. a field of science devoted to the study of the lands, features, inhabitants, and phenomena of the Earth

ANSWERS: 86. grand, 87. chemical, 88. stark, 89. refer, 90. concept, 91. asteroid, 92. gravity, 93. initially, 94. geography

95. 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.

96. The _____ on the beach was warm and golden.

- n.* finely granulated particles of rock or mineral material typically found along beaches, deserts, or riverbeds; used in construction, landscaping, and other applications requiring drainage or abrasive action

97. He should _____ more with his colleagues.

- v.* to communicate or react with somebody

98. The politician tried to _____ the embarrassing incident under the rug.

- v.* to clean something, especially a floor or an area, by using a broom; move swiftly and smoothly

99. I love trying _____ foods from different cultures.

- adj.* originating from or characteristic of a foreign country or culture; strikingly unusual, uncommon, or intriguing

100. The electric _____ keeps me warm on cold nights.

- n.* a large piece of soft material used to cover or wrap a person or thing to keep them warm; (adjective) broad in scope or content

101. He lifted her _____ with both hands.

- n.* a piece of fine cloth worn by women to cover or conceal the face; (verb) to cover, conceal, or obscure

102. He felt like _____ when he tasted the delicious chocolate cake.

- n.* (of various religious and mythological traditions) a place or state of existence considered to be the abode of the divine, the afterlife, or a higher realm of being; a state of great happiness, contentment, or beauty

ANSWERS: 95. orbit, 96. sand, 97. interact, 98. sweep, 99. exotic, 100. blanket, 101. veil, 102. heaven

103. It is important to _____ safety procedures in the workplace to prevent accidents.

- v. to watch or notice something carefully, often to gather information or insights; to take note of something or someone; to celebrate or commemorate a special event or occasion

104. The company is set to _____ its new product line next month.

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

ANSWERS: 103. observe, 104. launch