

Englist.me



Vocabulary Builder Reference from...

Danielle Wood: 6 space technologies we can use to improve life on Earth | TED Talk

https://www.ted.com/talks/danielle_wood_6_space_technologies_we_can_use_to_improve_life_on_earth

All Words

IMPORTANT

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

Session 1: Word List

miracle

n. an act or occurrence that is not explicable by natural or scientific laws and is therefore believed to be caused by God

synonym: wonder, marvel, phenomenon

(1) **miracle** person, (2) economic **miracle**

The doctors said that her recovery was a **miracle**.

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.

intern

v. to put someone in prison, especially for political or military reasons; (noun) a student or trainee who works, sometimes for free, to get work experience or to fulfill qualification criteria

synonym: apprentice, trainee, student

(1) **intern** civilians, (2) medical **intern**

The navy **interned** ships of defeated nations.

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.

shuttle

n. a vehicle or boat that regularly moves between two places; bobbin that passes the weft thread between the warp threads

synonym : ferry, transport, convey

(1) space **shuttle**, (2) **shuttle** service

The **shuttle** bus will take you to the airport in 15 minutes.

X-ray

n. a type of electromagnetic radiation that has a wavelength shorter than visible light allowing hidden objects such as bones and organs inside the body to be photographed

synonym : roentgenogram, photon radiography

(1) **X-ray** scan, (2) an **X-ray** of arteries

The doctor ordered an **X-ray** to see if there was any damage to the bones.

observatory

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

(1) space **observatory**, (2) a meteorological **observatory**

That astronomical **observatory** stands at the top of the mountain.

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.

peer

n. a person who has the same age, status, or ability

synonym: fellow, associate, counterpart

(1) **peer** group, (2) **peer** review

Among young people, **peer** pressure can be pretty influential.

rumble

v. to make a low, heavy continuous sound

synonym: roar, growl, grumble

(1) **rumble** an order, (2) **rumble** down the dirt track

The thunder **rumbled** in the distance.

engine

n. a machine that converts thermal energy to mechanical work; something that has an important role used to achieve a purpose

synonym: motor, locomotive, driver

(1) a steam **engine**, (2) an air-cooled **engine**

The policies he announces can be the **engine** of economic growth in the country.

vibrate

v. to move or cause anything to move fast and in small increments from side to side

synonym: oscillate, convulse, jerk

(1) **vibrate** at a regular frequency, (2) **vibrate** with anger

During the flight, the wings of the plane **vibrate**.

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.

decide

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

synonym: choose, determine, settle

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

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

aerospace

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

synonym : aeronautical, space, aviation

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

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

engineer

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

synonym : architect, creator, builder

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

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

confuse

v. to mistake one thing for another; to make somebody hard to understand

synonym : confound, obscure, disorient

(1) **confuse** the listener, (2) **confuse** fantasy with reality

Her remarks **confused** the debate.

confusion

n. the state of being mixed up or unclear, or the state of disorder or uncertainty

synonym : disorder, disarray, chaos

(1) administrative **confusion**, (2) in great **confusion**

The sudden policy change has caused **confusion** among employees.

volunteer

n. a person who performs or offers to perform a job or service without being paid for or forced to do

synonym : unpaid worker, draftee, enlistee

(1) seek **volunteers**, (2) my **volunteer** work

The teachers make full use of **volunteer** assistance.

mathematics

n. the science dealing with the logic of quantities, shapes, spaces, and arrangement

synonym : arithmetic, calculation, calculus

(1) a good grounding in **mathematics**, (2) **mathematics** competition

He has a flair for **mathematics**.

presence

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

synonym: existence, actuality, fact

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

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

communal

adj. belonging to or used by a group rather than individuals; for common use

synonym: collaborative, combined, collective

(1) **communal** swimming pool, (2) **communal** combination of funds

Communal elections were held in several European countries.

overcome

v. to succeed in controlling or dealing with something, such as a problem or difficulty; to defeat or overwhelm someone

synonym: beat, confound, overwhelm

(1) **overcome** opponents, (2) **overcome** all difficulties

He tried to **overcome** a bad reputation and win the election.

barrier

n. a fence or other obstruction that makes it hard to move or get in; any condition that makes it difficult to make progress or to achieve an objective

synonym: border, barricade, fence

(1) cost **barrier**, (2) information **barrier**

The police placed a **barrier** across the street to halt traffic.

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.

mentor

n. a person who helps and advises a younger or less experienced person over time, usually at work or school

synonym: adviser, coach, tutor

(1) **mentor** for life, (2) fashion **mentor**

As a **mentor**, he helped me realize my career.

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.

nation

n. a large organized community of people living in a particular country or region and having a particular culture

synonym: country, state, sovereign entity

(1) **nation-state**, (2) a seafaring **nation**

The **nation** of Japan is known for its unique culture and advanced technology.

treaty

n. a formal agreement or pact between two or more countries or other international entities

synonym: agreement, pact, accord

(1) **treaty** negotiation, (2) global climate **treaty**

The two countries signed a **treaty** to establish peaceful relations.

bold

adj. brave, daring, and confident; not frightened of danger or afraid to say what you feel or to take risks

synonym: brave, courageous, fearless

(1) a **bold** design, (2) big, **bold** piano sounds

The effort to alleviate climate change needs **bold** action.

irrespective

adv. without taking something into account; regardless of
synonym : heedless, inattentive, regardless

(1) **irrespective** of age, (2) **irrespective** of his will
Our company hires **irrespective** of national origin.

economy

n. the system by which a country or region produces, manages, and distributes goods and services, including the money and finances involved in these activities; (of an airline) the lowest-priced, most basic option for seating in commercial travel

synonym : finance, trade, business

(1) **economy** of scale, (2) **economy** class

The **economy** of the country is struggling due to the recent political instability.

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.

racism

n. prejudice, discrimination, or antagonism directed against a person or people based on their membership in a particular ethnic group, typically one that is a minority or marginalized

synonym : prejudice, discrimination, bias

(1) systemic **racism**, (2) research on anti- **racism**

The school's lack of diversity was a clear indication of the **racism** present in the community.

gender

n. the range of characteristics of femininity and masculinity and differentiating between them, especially when

considering social and cultural differences rather than differences in biology

synonym : sexuality

(1) **gender-blind** policies, (2) dual **gender**

Cultural norms strongly influence **gender** expectations.

inequality

n. the unfairness of a society in which some people have more opportunity, money, etc. than others;
(mathematics) relation between two values when they are different

synonym : imbalance, prejudice, unfairness

(1) **inequality** in salary, (2) algebraic **inequality**

There are several causes of economic **inequality** within societies.

exclude

v. to deny someone or something enter to a place or taking part in an activity

synonym : expel, ban, bar

(1) **exclude** a newcomer, (2) **exclude** all other possibilities

The cost for the trip **excludes** food and beverages.

elite

adj. belonging to the wealthiest, most potent, best-educated, or best-trained group in a society

synonym : privileged, favored, elect

(1) earn **elite** status, (2) **elite** athlete

Very few educational **elites** go to Oxford or Cambridge.

afford

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

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

He cannot **afford** a holiday.

attitude

n. the way you think and feel about someone or something

synonym : mindset, perspective, philosophy

(1) **attitude** toward mistakes, (2) **attitude** control

She had the **attitude** that work was fun.

engage

v. to attract and keep someone's attention and interest; to participate in or obtain services of something

synonym : confront, employ, amuse

(1) **engage** in environmental protection activities,

(2) **engage** a new employee

Many multinational companies are **engaged** in the reconstruction of that country.

vital

adj. necessary for the success or continued existence of something

synonym : critical, crucial, invigorating

(1) play a **vital** role, (2) **vital** for a healthy society

Perseverance and optimism are **vital** to success.

sustainable

adj. able to continue or be continued for a long time

synonym : continuable, endurable, tolerable

(1) **sustainable** alternative fuel, (2) principles of

sustainable development

The government should do more to support environmentally **sustainable** agriculture.

priority

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

synonym : importance, precedence, primacy

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

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

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.

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.

poverty

n. the condition of being extremely poor
synonym : deprivation, destitution, poorness

(1) **poverty** alleviation, (2) the cycle of **poverty**

Many studies have investigated the relationship between **poverty** and academic achievement.

insure

v. to provide coverage in the event of loss or damage
synonym : protect, guard, safeguard

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

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

pursue

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

synonym : seek, hunt, chase

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

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

communicate

v. to share or exchange information with others by speaking, writing, moving your body, or using other signals

synonym : convey, share, transmit

(1) **communicate** his anxieties to the psychiatrist,

(2) **communicate** well with my advisor

Dolphins use sound to **communicate** with each other.

satellite

n. an electronic device that is sent up into space and moves around the Earth or another planet, used for gathering information or communicating by radio, television, etc.

synonym : orbiter, asteroid, moon

(1) a GPS **satellite**, (2) a meteorological **satellite**

Launching an artificial **satellite** contributed to the technological development of our country.

locate

v. to specify or determine the exact position of someone or something

synonym: discover, find, place

(1) **locate** a missing pet, (2) **locate** a tumor

The robot can accurately **locate** construction material.

disaster

n. an unexpected event or series of events that cause widespread damage, destruction, or loss of life

synonym: catastrophe, calamity, tragedy

(1) global **disaster**, (2) **disaster** recovery

The **disaster** response team worked around the clock to aid those affected by the earthquake.

recover

v. to return to a former condition, health, mind, or strength

synonym: come back, convalesce, heal

(1) **recover** a loss, (2) **recover** approval ratings

She is still **recovering** from a shot to her shoulder.

typhoon

n. a tropical storm with strong winds and heavy rain, typically occurring in the western Pacific Ocean

synonym: cyclone, hurricane, storm

(1) super **typhoon**, (2) **typhoon** season

Many families were forced to evacuate their homes due to the **typhoon's** severity.

strike

v. to wallop somebody or something with the hand, fist, or weapon; to have an emotional or cognitive impact upon

synonym: hit, impact, influence

(1) **strike** up a conversation, (2) **strike** a blow

We **strike** to achieve more wages and safer working conditions.

inflate

v. to fill something with air or gas so that it becomes bigger and rounder

synonym: blow up, expand, puff up

(1) **inflate** a tire, (2) **inflate** expense reports

She **inflated** the balloons for the party.

antenna

n. an electrical device that sends or receives radio or television signals; (biology) one of one or more pairs of appendages used for sensing in insects

synonym : feeler, receiver

(1) **antenna** of insect, (2) extend the TV **antenna**

He had a special **antenna** for public relations

endangered

adj. at risk of extinction because it is facing significant threats

synonym : at risk, threatened, vulnerable

(1) **endangered** species, (2) **endangered** ecosystem

The government has implemented policies to protect the habitat of **endangered** animals.

wildlife

n. animals, birds, insects, etc. that grow independently of people and live in natural conditions

(1) **wildlife** sanctuary, (2) bird and other **wildlife**

The conservation area has an abundance of **wildlife**.

policy

n. a set of rules, guidelines, principles, or procedures that govern decision-making or action, often used in the context of business or government; a course of action or plan of action adopted or followed by an organization or individual to achieve a goal or objective

synonym : strategy, plan, guideline

(1) health **policy**, (2) foreign **policy**

The company's new **policy** on remote work has made it a more inclusive workplace.

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.

posit

v. to suggest or accept something as fact or as a basis for argument or consideration

synonym: assert, declare, assume

(1) **posit** the existence of life after death, (2) **posit** the premise

We should **posit** several hypotheses to discuss the matter.

observation

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

synonym: watching, notice, reflection

(1) class **observation** day, (2) **observation** instrument

In the hospital, she will remain under constant **observation**.

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**.

government

n. the group of people with authority to control a country or state

synonym: administration, regime, state

(1) **government** bureaucracy, (2) **government** funding

The federal **government** is planning to increase taxes for the next fiscal year.

agency

n. an organization or business that is responsible for specific activities or services, especially when representing other organizations or businesses; the capacity or power to act or exert influence; the ability to make decisions and take action

synonym: organization, bureau, institution

(1) real estate **agency**, (2) intelligence **agency**

The government **agency** regulated the country's food and drug safety standards.

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.

agriculture

n. the practice or science of cultivating the land or raising stock

synonym: farming, husbandry, agribusiness

(1) organic **agriculture**, (2) intensive **agriculture**

Agriculture is the foundation of our economy.

complexity

n. the state or quality of being complicated or intricate and difficult to understand

synonym: intricacy, sophistication, elaboration

(1) cognitive **complexity**, (2) **complexity** theory

The project's **complexity** made it difficult for the team to complete it on time.

visualize

v. to form a mental image or concept of something; to make something visible

synonym: imagine, picture, envision

(1) **visualize** data, (2) **visualize** flying through space

She tried to **visualize** the layout of the new house in her mind.

temperature

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

synonym: climate, warmth, degree

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

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

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**.

rainfall

n. the amount of rain that falls in a specific location at a particular moment

synonym: downpour, drizzle, rain

(1) the mean annual **rainfall**, (2) heavy **rainfall**

These plants thrive in hot climates with abundant **rainfall**.

snowfall

n. a fall of snow; the amount of snow falling within a particular area in a specific time

synonym: snow, blizzard, gale

(1) the first **snowfall** of the season, (2) **snowfall** prediction

Several roads have been closed due to the heavy **snowfall**.

cycle

n. an interval during which a recurring sequence of events occurs; a bicycle or motorcycle

synonym: revolution, rotation, bike

(1) the **cycle** of the seasons, (2) go to the workplace by **cycle**

The food chain causes a material **cycle**.

vegetation

n. plants in general, particularly those indigenous to a particular region or spot

synonym: flora, leafage, foliage

(1) tropical **vegetation**, (2) dense **vegetation**

The **vegetation** in the area is quite diverse.

famine

n. a severe shortage of food, often caused by drought, war, or economic reasons

synonym : hunger, starvation, drought

(1) **famine** relief, (2) coal **famine**

The severe **famine** caused by the drought has left many people without food.

drought

n. a long period of time during which there is very little or no rain, leading to a shortage of water and often causing damage to crops and other vegetation

synonym : dryness, aridity, water shortage

(1) periods of **drought**, (2) **drought** conditions

The region has been experiencing a severe **drought**, leading to water shortages and crop failures.

aid

n. things sent to help countries in need, notably food or money; support

synonym : helper, resource, assistance

(1) financial **aid**, (2) country-by-country **aid** programs

Pakistan's **aid** budget was still being reviewed.

severe

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

synonym : harsh, relentless, powerful

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

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

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**.

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**.

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**.

microgravity

n. a condition of feeble gravity, often experienced by objects or organisms in orbit around a planet or other celestial body, such as the International Space Station

synonym : zero gravity, weightlessness, freefall

(1) **microgravity** research, (2) **microgravity** environment

Astronauts experience the effects of **microgravity** when they are in space.

astronaut

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

synonym : spaceman, cosmonaut

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

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

react

v. to take action in response to something

synonym : respond, reply, oppose

(1) **react** at a high temperature, (2) **react** against his way of thinking

How did he **react** to your idea?

cardiovascular

adj. of or relating to the heart and blood vessels (= tubes that carry blood around the body)

(1) **cardiovascular** diseases, (2) **cardiovascular** tissue

Smoking places you at severe risk of **cardiovascular** and

respiratory disease.

immune

adj. protected against a particular disease or toxin due to the presence of specific antibodies or sensitized white blood cells

synonym : resistant, unsusceptible, unaffected

(1) **immune** from criminal prosecution, (2) the cell of the **immune** system

The vaccination does not necessarily make you completely **immune**.

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.

transfer

v. to move, pass, or change from one person, place, or situation to another

synonym : move, relocate, shift

(1) **transfer** a file, (2) **transfer** power

She **transferred** the money from her savings account to her checking account.

spacecraft

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

synonym : spaceship, satellite, probe

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

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

invention

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

synonym : creation, design, innovation

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

Necessity is the mother of **invention**.

filtration

n. the process of passing a substance (such as liquid or gas) through a medium to remove impurities or unwanted particles

synonym: purification, straining, sieving

(1) **filtration** cylinder, (2) water **filtration**

The pool water is kept clean through continuous **filtration**.

component

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

synonym: element, part, factor

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

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

filter

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

synonym: strainer

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

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

wastewater

n. water that contains waste substances from homes, farms, factories, etc.

synonym: drainage, sewerage

(1) **wastewater** disposal equipment, (2) biological **wastewater**

As that country developed its industry, it began to invest more in **wastewater** treatment technology.

infinite

adj. unlimited or very great; impossible to measure

synonym: boundless, countless, limitless

(1) **infinite** appetite, (2) **infinite** in supply

The battle had an **infinite** impact on the nation.

inspiration

n. something that motivates or encourages someone to create or achieve something, or a feeling of excitement or creativity

synonym : motivation, drive, encouragement

(1) source of **inspiration**, (2) get **inspiration** from nature
He found **inspiration** in the works of his favorite authors.

astronomy

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

synonym : astrophysics, stargazing, cosmology

(1) **astronomy** science, (2) a branch of **astronomy**
He had a deep passion for extragalactic **astronomy** and spent hours observing the night sky.

stargaze

v. to gaze at the stars, especially at night; to daydream or fantasize:

synonym : observe, daydream, woolgather

(1) **stargaze** on the roof, (2) **stargaze** in wonder
We like to **stargaze** on clear summer nights and try to identify as many constellations as we can.

engaging

adj. attracting, pleasant, or charming

synonym : alluring, interesting, engrossing

(1) **engaging** story, (2) an **engaging** smile
She was disbarred for her **engaging** in fraud.

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.

software

n. a set of computer programs and associated documentation and data for doing particular computational jobs

synonym : program, system, operating system

(1) **software** architect, (2) copyrighted **software**

The company specializes in both hardware and **software**.

meteorology

n. the branch of science that deals with processes in the Earth's atmosphere that cause weather conditions

(1) agricultural **meteorology**, (2) marine **meteorology**

He conducted his research at the **meteorology** laboratory using large-scale computing.

forecast

n. a prediction or statement about how something, such as the weather, will develop or what will happen in the future; (verb) to predict the future in advance

synonym : prediction, outlook, (verb) guess

(1) a weather **forecast**, (2) **forecast** an epidemic

Their team specializes in demand **forecasts** for our products.

electrical

adj. relating to electricity

(1) an **electrical** storm, (2) degree in **electrical** engineering

Actuators convert **electrical** pulses into motion.

undergraduate

n. a student who is studying for their first degree at a university or other higher education institution

synonym : college student, freshman

(1) engineering **undergraduate**, (2) **undergraduate** course

The class was composed of both **undergraduate** and graduate students.

scholarship

n. a grant or payment made to support a student's education usually awarded based on academic or other achievements

synonym : grant, award, stipend

(1) a **scholarship** association, (2) college **scholarship**

She received a full **scholarship** to study abroad.

graduate

n. a person who has a first degree from university or college; (verb) to complete the first course of university

or college and get a degree

synonym : alumna, alum, grad

(1) **graduate** degree program, (2) honor **graduate**

Many employers hire **graduate** trainees to train as managers.

illustrate

v. to provide pictures, photographs, diagrams, etc. in a book or something for explanation

synonym : demonstrate, explain, exemplify

(1) **illustrate** a key point, (2) **illustrate** a story

The company's financial records **illustrate** how successful it has been.

inaccessible

adj. unable to travel to or reach; not available

synonym : inapproachable, unreachable, remote

(1) **inaccessible** to an unauthorized user, (2) **inaccessible** areas

Heavy snow made it **inaccessible** to go to the mountain village.

motto

n. a phrase or slogan that expresses a guiding principle or goal

synonym : slogan, catchphrase, phrase

(1) the **motto** for safe traffic, (2) company **motto**

The company's **motto** is "Innovation and Service," which is reflected in its products and customer support.

lab

n. a workplace for the conduct of scientific research; a laboratory

synonym : workshop, laboratory, research chamber

(1) **lab** instrument, (2) medical **lab**

The Prime Minister will pay a courtesy visit to the Nobel laureate's **lab**.

contribute

v. to give something, especially money or goods, to provide or achieve something together with other people

synonym : donate, devote, commit

(1) **contribute** a large sum of money to the fund,

(2) **contribute** to society

Government workers cannot **contribute** to political campaigns.

Session 2: Spelling

1. dense veg_____on *n.* plants in general, particularly those indigenous to a particular region or spot
2. periods of dr_____t *n.* a long period of time during which there is very little or no rain, leading to a shortage of water and often causing damage to crops and other vegetation
3. en___e in environmental protection activities *v.* to attract and keep someone's attention and interest; to participate in or obtain services of something
4. co_____e chemically with another substance *v.* to join or merge to form a single thing or group
5. in_____e expense reports *v.* to fill something with air or gas so that it becomes bigger and rounder
6. fil_____on cylinder *n.* the process of passing a substance (such as liquid or gas) through a medium to remove impurities or unwanted particles
7. environmental det_____nt *n.* a factor, circumstance, or condition that contributes to the shaping, influencing, or determining of a particular outcome or result
8. st___e up a conversation *v.* to wallop somebody or something with the hand, fist, or weapon; to have an emotional or cognitive impact upon
9. systemic ra___m *n.* prejudice, discrimination, or antagonism directed against a person or people based on their membership in a particular ethnic group, typically one that is a minority or marginalized

ANSWERS: 1. vegetation, 2. drought, 3. engage, 4. combine, 5. inflate, 6. filtration, 7. determinant, 8. strike, 9. racism

- | | |
|--------------------------------------|---|
| 10. gas fi___r | <i>n.</i> any of several types of equipment or systems used to separate particles from liquids or gases or to remove specific forms of light |
| 11. cognitive com_____ty | <i>n.</i> the state or quality of being complicated or intricate and difficult to understand |
| 12. dual ge___r | <i>n.</i> the range of characteristics of femininity and masculinity and differentiating between them, especially when considering social and cultural differences rather than differences in biology |
| 13. class obs_____on day | <i>n.</i> the act or activity of carefully examining or monitoring something or someone |
| 14. intensive agr_____re | <i>n.</i> the practice or science of cultivating the land or raising stock |
| 15. degree in ele_____al engineering | <i>adj.</i> relating to electricity |
| 16. ov_____me opponents | <i>v.</i> to succeed in controlling or dealing with something, such as a problem or difficulty; to defeat or overwhelm someone |
| 17. ill_____te a key point | <i>v.</i> to provide pictures, photographs, diagrams, etc. in a book or something for explanation |
| 18. vi_____ze flying through space | <i>v.</i> to form a mental image or concept of something; to make something visible |
| 19. co_____e fantasy with reality | <i>v.</i> to mistake one thing for another; to make somebody hard to understand |
| 20. as_____ut mission | <i>n.</i> a person trained by a space agency to travel outside the Earth's atmosphere |

ANSWERS: 10. filter, 11. complexity, 12. gender, 13. observation, 14. agriculture, 15. electrical, 16. overcome, 17. illustrate, 18. visualize, 19. confuse, 20. astronaut

21. po____y alleviation *n.* the condition of being extremely poor
22. clogged fi____r *n.* any of several types of equipment or systems used to separate particles from liquids or gases or to remove specific forms of light
23. 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
24. the cycle of po____y *n.* the condition of being extremely poor
25. a GPS sa____te *n.* an electronic device that is sent up into space and moves around the Earth or another planet, used for gathering information or communicating by radio, television, etc.
26. agricultural met____gy *n.* the branch of science that deals with processes in the Earth's atmosphere that cause weather conditions
27. an en____ng smile *adj.* attracting, pleasant, or charming
28. as____my science *n.* the scientific study of objects and matter outside the Earth's atmosphere, especially the positions, motions, and evolution of celestial bodies
29. common in____on *n.* the creation of a new device or process resulting from study and experimentation; the act of inventing

ANSWERS: 21. poverty, 22. filter, 23. colon, 24. poverty, 25. satellite, 26. meteorology, 27. engaging, 28. astronomy, 29. invention

30. information ba____r *n.* a fence or other obstruction that makes it hard to move or get in; any condition that makes it difficult to make progress or to achieve an objective
31. was_____er disposal equipment *n.* water that contains waste substances from homes, farms, factories, etc.
32. pr____ty call *n.* something that is more important than other things and should be dealt with first
33. di_____er recovery *n.* an unexpected event or series of events that cause widespread damage, destruction, or loss of life
34. in great co_____on *n.* the state of being mixed up or unclear, or the state of disorder or uncertainty
35. ge___r-blind policies *n.* the range of characteristics of femininity and masculinity and differentiating between them, especially when considering social and cultural differences rather than differences in biology
36. extreme tem_____res *n.* the degree of hotness or coldness of a thing or place
37. an ele_____al storm *adj.* relating to electricity
38. the te_____ue applied to construction *n.* a particular way or art of doing something that needs skill
39. sh_____e service *n.* a vehicle or boat that regularly moves between two places; bobbin that passes the weft thread between the warp threads

ANSWERS: 30. barrier, 31. wastewater, 32. priority, 33. disaster, 34. confusion, 35. gender, 36. temperature, 37. electrical, 38. technique, 39. shuttle

40. real estate ag___y *n.* an organization or business that is responsible for specific activities or services, especially when representing other organizations or businesses; the capacity or power to act or exert influence; the ability to make decisions and take action
41. pu___e freedoms *v.* to do something or attempt to attain something over time; to follow or seek someone or something, especially in trying to catch them
42. end_____ed species *adj.* at risk of extinction because it is facing significant threats
43. vi__l for a healthy society *adj.* necessary for the success or continued existence of something
44. lab_____ry accident *n.* a workplace for doing scientific research or teaching science; a lab
45. en_____ng story *adj.* attracting, pleasant, or charming
46. go to the workplace by cy__e *n.* an interval during which a recurring sequence of events occurs; a bicycle or motorcycle
47. key co_____nt *n.* one of several parts that combines with others to form something bigger
48. car_____lar diseases *adj.* of or relating to the heart and blood vessels (= tubes that carry blood around the body)
49. vi_____ze data *v.* to form a mental image or concept of something; to make something visible
50. an X-__y of arteries *n.* a type of electromagnetic radiation that has a wavelength shorter than visible light allowing hidden objects such as bones and organs inside the body to be photographed

ANSWERS: 40. agency, 41. pursue, 42. endangered, 43. vital, 44. laboratory, 45. engaging, 46. cycle, 47. component, 48. cardiovascular, 49. visualize, 50. X-ray

51. a te_____ue in martial arts *n.* a particular way or art of doing something that needs skill
52. the cy__e of the seasons *n.* an interval during which a recurring sequence of events occurs; a bicycle or motorcycle
53. as_____ut in training *n.* a person trained by a space agency to travel outside the Earth's atmosphere
54. com_____ty theory *n.* the state or quality of being complicated or intricate and difficult to understand
55. irr_____ive of his will *adv.* without taking something into account; regardless of
56. en___e a new employee *v.* to attract and keep someone's attention and interest; to participate in or obtain services of something
57. de___e a question *v.* to make up someone's mind about something; to come to a conclusion or judgment after considering options
58. company mo__o *n.* a phrase or slogan that expresses a guiding principle or goal
59. a se___e case of pneumonia *adj.* extremely serious or bad in feeling, manner, or strict and harsh; extremely strong or vigorous
60. global di_____er *n.* an unexpected event or series of events that cause widespread damage, destruction, or loss of life
61. his majestic pr_____ce *n.* the fact or state that someone or something exists, occurs, or is present
62. 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

ANSWERS: 51. technique, 52. cycle, 53. astronaut, 54. complexity, 55. irrespective, 56. engage, 57. decide, 58. motto, 59. severe, 60. disaster, 61. presence, 62. gravity

63. ex_____e all other possibilities *v.* to deny someone or something enter to a place or taking part in an activity
64. re_____r a loss *v.* to return to a former condition, health, mind, or strength
65. obs_____on instrument *n.* the act or activity of carefully examining or monitoring something or someone
66. a binocular te_____pe *n.* a device like a tube in shape containing lenses used to magnify and observe distant objects
67. ex_____e a newcomer *v.* to deny someone or something enter to a place or taking part in an activity
68. the in_____on of new techniques *n.* the creation of a new device or process resulting from study and experimentation; the act of inventing
69. in___e my house against fire *v.* to provide coverage in the event of loss or damage
70. 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.
71. space obs_____ry *n.* a building designed and equipped to observe the planets, the stars, the weather, etc.
72. in_____te in supply *adj.* unlimited or very great; impossible to measure
73. coal fa___e *n.* a severe shortage of food, often caused by drought, war, or economic reasons
74. ine_____ty in salary *n.* the unfairness of a society in which some people have more opportunity, money, etc. than others; (mathematics) relation between two values when they are different

ANSWERS: 63. exclude, 64. recover, 65. observation, 66. telescope, 67. exclude, 68. invention, 69. insure, 70. orbit, 71. observatory, 72. infinite, 73. famine, 74. inequality

75. global climate tr___y *n.* a formal agreement or pact between two or more countries or other international entities
76. bird and other wi_____fe *n.* animals, birds, insects, etc. that grow independently of people and live in natural conditions
77. ae_____ce engineering *adj.* pertaining to the design, engineering, science, and technology related to the Earth's atmosphere and the exploration or use of space beyond it
78. re__t at a high temperature *v.* to take action in response to something
79. sn_____ll prediction *n.* a fall of snow; the amount of snow falling within a particular area in a specific time
80. source of ins_____on *n.* something that motivates or encourages someone to create or achieve something, or a feeling of excitement or creativity
81. st_____ze on the roof *v.* to gaze at the stars, especially at night; to daydream or fantasize:
82. de___e on a course of action *v.* to make up someone's mind about something; to come to a conclusion or judgment after considering options
83. 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
84. in___n civilians *v.* to put someone in prison, especially for political or military reasons; (noun) a student or trainee who works, sometimes for free, to get work experience or to fulfill qualification criteria

ANSWERS: 75. treaty, 76. wildlife, 77. aerospace, 78. react, 79. snowfall, 80. inspiration, 81. stargaze, 82. decide, 83. observe, 84. intern

85. p__r review *n.* a person who has the same age, status, or ability
86. biological was_____er *n.* water that contains waste substances from homes, farms, factories, etc.
87. in___e domestic tranquility *v.* to provide coverage in the event of loss or damage
88. copyrighted so_____re *n.* a set of computer programs and associated documentation and data for doing particular computational jobs
89. principles of sus_____le development *adj.* able to continue or be continued for a long time
90. water fil_____on *n.* the process of passing a substance (such as liquid or gas) through a medium to remove impurities or unwanted particles
91. mic_____ity research *n.* a condition of feeble gravity, often experienced by objects or organisms in orbit around a planet or other celestial body, such as the International Space Station
92. play a vi__l role *adj.* necessary for the success or continued existence of something
93. ex_____e weather events *adj.* very great in amount or degree
94. wi_____fe sanctuary *n.* animals, birds, insects, etc. that grow independently of people and live in natural conditions
95. a good grounding in mat_____cs *n.* the science dealing with the logic of quantities, shapes, spaces, and arrangement

ANSWERS: 85. peer, 86. wastewater, 87. insure, 88. software, 89. sustainable, 90. filtration, 91. microgravity, 92. vital, 93. extreme, 94. wildlife, 95. mathematics

96. honor gr____te *n.* a person who has a first degree from university or college; (verb) to complete the first course of university or college and get a degree
97. college sch____ip *n.* a grant or payment made to support a student's education usually awarded based on academic or other achievements
98. fo____st an epidemic *n.* a prediction or statement about how something, such as the weather, will develop or what will happen in the future; (verb) to predict the future in advance
99. economic mi____e *n.* an act or occurrence that is not explicable by natural or scientific laws and is therefore believed to be caused by God
100. co____al swimming pool *adj.* belonging to or used by a group rather than individuals; for common use
101. in____te appetite *adj.* unlimited or very great; impossible to measure
102. organic agr____re *n.* the practice or science of cultivating the land or raising stock
103. co____e augmented reality *v.* to join or merge to form a single thing or group
104. ad____e a cooperative relationship *v.* to go or move forward; to develop in a positive way
105. foreign po____y *n.* a set of rules, guidelines, principles, or procedures that govern decision-making or action, often used in the context of business or government; a course of action or plan of action adopted or followed by an organization or individual to achieve a goal or objective

ANSWERS: 96. graduate, 97. scholarship, 98. forecast, 99. miracle, 100. communal, 101. infinite, 102. agriculture, 103. combine, 104. advance, 105. policy

106. the co__n at the end of the sentence
107. a convivial atm_____re
108. pr_____ty seating for elderly
109. co_____e the listener
110. ex_____e sports
111. an air-cooled en____e
112. ov_____me all difficulties
113. seek vo_____ers
114. marine met_____gy
- 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
- n.* the mass of air that surrounds the Earth; the pervading tone or mood of a place, situation, or creative work
- n.* something that is more important than other things and should be dealt with first
- v.* to mistake one thing for another; to make somebody hard to understand
- adj.* very great in amount or degree
- n.* a machine that converts thermal energy to mechanical work; something that has an important role used to achieve a purpose
- v.* to succeed in controlling or dealing with something, such as a problem or difficulty; to defeat or overwhelm someone
- n.* a person who performs or offers to perform a job or service without being paid for or forced to do
- n.* the branch of science that deals with processes in the Earth's atmosphere that cause weather conditions

ANSWERS: 106. colon, 107. atmosphere, 108. priority, 109. confuse, 110. extreme, 111. engine, 112. overcome, 113. volunteer, 114. meteorology

115. 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
116. mat_____cs competition *n.* the science dealing with the logic of quantities, shapes, spaces, and arrangement
117. tr____y negotiation *n.* a formal agreement or pact between two or more countries or other international entities
118. tr_____er power *v.* to move, pass, or change from one person, place, or situation to another
119. ty_____n season *n.* a tropical storm with strong winds and heavy rain, typically occurring in the western Pacific Ocean
120. the atmospheric tem_____re *n.* the degree of hotness or coldness of a thing or place
121. re_____r approval ratings *v.* to return to a former condition, health, mind, or strength
122. super ty_____n *n.* a tropical storm with strong winds and heavy rain, typically occurring in the western Pacific Ocean
123. ru____e an order *v.* to make a low, heavy continuous sound
124. fa____e relief *n.* a severe shortage of food, often caused by drought, war, or economic reasons
125. health po____y *n.* a set of rules, guidelines, principles, or procedures that govern decision-making or action, often used in the context of business or government; a course of action or plan of action adopted or followed by an organization or individual to achieve a goal or objective

ANSWERS: 115. privilege, 116. mathematics, 117. treaty, 118. transfer, 119. typhoon, 120. temperature, 121. recover, 122. typhoon, 123. rumble, 124. famine, 125. policy

126. 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
127. ill_____te a story *v.* to provide pictures, photographs, diagrams, etc. in a book or something for explanation
128. na___n-state *n.* a large organized community of people living in a particular country or region and having a particular culture
129. 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
130. st___e a blow *v.* to wallop somebody or something with the hand, fist, or weapon; to have an emotional or cognitive impact upon
131. po__t the existence of life after death *v.* to suggest or accept something as fact or as a basis for argument or consideration
132. con_____te to society *v.* to give something, especially money or goods, to provide or achieve something together with other people
133. dr_____t conditions *n.* a long period of time during which there is very little or no rain, leading to a shortage of water and often causing damage to crops and other vegetation
134. gr_____te degree program *n.* a person who has a first degree from university or college; (verb) to complete the first course of university or college and get a degree

ANSWERS: 126. determinant, 127. illustrate, 128. nation, 129. atmosphere, 130. strike, 131. posit, 132. contribute, 133. drought, 134. graduate

135. irr_____ive of age *adv.* without taking something into account; regardless of
136. se___e heat *adj.* extremely serious or bad in feeling, manner, or strict and harsh; extremely strong or vigorous
137. country-by-country a_d programs *n.* things sent to help countries in need, notably food or money; support
138. spare co_____nts for cars *n.* one of several parts that combines with others to form something bigger
139. ae_____ce and defense industry *adj.* pertaining to the design, engineering, science, and technology related to the Earth's atmosphere and the exploration or use of space beyond it
140. at_____de toward mistakes *n.* the way you think and feel about someone or something
141. ina_____ble areas *adj.* unable to travel to or reach; not available
142. 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
143. an op_____ne remark *adj.* suitable or happening at a time that is suitable or convenient for a particular purpose
144. cost ba_____r *n.* a fence or other obstruction that makes it hard to move or get in; any condition that makes it difficult to make progress or to achieve an objective

ANSWERS: 135. irrespective, 136. severe, 137. aid, 138. component, 139. aerospace, 140. attitude, 141. inaccessible, 142. observe, 143. opportune, 144. barrier

145. con_____te a large sum of money
to the fund *v.* to give something, especially money or goods, to provide or achieve something together with other people
146. 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
147. re__t against his way of thinking *v.* to take action in response to something
148. mi_____e person *n.* an act or occurrence that is not explicable by natural or scientific laws and is therefore believed to be caused by God
149. at_____de control *n.* the way you think and feel about someone or something
150. im_____e a process *v.* to make or become better
151. af____d to buy a new car *v.* to have enough money or time to be able to buy or do something
152. lo____e a missing pet *v.* to specify or determine the exact position of someone or something
153. 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
154. anthropology lab_____ry *n.* a workplace for doing scientific research or teaching science; a lab
155. get ins_____on from nature *n.* something that motivates or encourages someone to create or achieve something, or a feeling of excitement or creativity

ANSWERS: 145. contribute, 146. launch, 147. react, 148. miracle, 149. attitude, 150. improve, 151. afford, 152. locate, 153. privilege, 154. laboratory, 155. inspiration

156. en____er shortage *n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software
157. a branch of as_____my *n.* the scientific study of objects and matter outside the Earth's atmosphere, especially the positions, motions, and evolution of celestial bodies
158. me____r for life *n.* a person who helps and advises a younger or less experienced person over time, usually at work or school
159. medical l_b *n.* a workplace for the conduct of scientific research; a laboratory
160. look through a te_____pe *n.* a device like a tube in shape containing lenses used to magnify and observe distant objects
161. the mo__o for safe traffic *n.* a phrase or slogan that expresses a guiding principle or goal
162. l_b instrument *n.* a workplace for the conduct of scientific research; a laboratory
163. tr_____er a file *v.* to move, pass, or change from one person, place, or situation to another
164. 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
165. po__t the premise *v.* to suggest or accept something as fact or as a basis for argument or consideration

ANSWERS: 156. engineer, 157. astronomy, 158. mentor, 159. lab, 160. telescope, 161. motto, 162. lab, 163. transfer, 164. develop, 165. posit

166. pu___e a goal *v.* to do something or attempt to attain something over time; to follow or seek someone or something, especially in trying to catch them
167. extend the TV an_____a *n.* an electrical device that sends or receives radio or television signals; (biology) one of one or more pairs of appendages used for sensing in insects
168. gov_____nt funding *n.* the group of people with authority to control a country or state
169. tropical veg_____on *n.* plants in general, particularly those indigenous to a particular region or spot
170. a meteorological sa_____te *n.* an electronic device that is sent up into space and moves around the Earth or another planet, used for gathering information or communicating by radio, television, etc.
171. car_____lar tissue *adj.* of or relating to the heart and blood vessels (= tubes that carry blood around the body)
172. alien spa_____ft *n.* a vehicle designed to travel through space, typically carrying astronauts or scientific instruments
173. chaotic env_____nt *n.* the natural world such as air, water, and land in which humans, animals, and plants live
174. el__e athlete *adj.* belonging to the wealthiest, most potent, best-educated, or best-trained group in a society

ANSWERS: 166. pursue, 167. antenna, 168. government, 169. vegetation, 170. satellite, 171. cardiovascular, 172. spacecraft, 173. environment, 174. elite

175. algebraic ine_____ty *n.* the unfairness of a society in which some people have more opportunity, money, etc. than others; (mathematics) relation between two values when they are different
176. vi_____e at a regular frequency *v.* to move or cause anything to move fast and in small increments from side to side
177. space sh_____e *n.* a vehicle or boat that regularly moves between two places; bobbin that passes the weft thread between the warp threads
178. p__r group *n.* a person who has the same age, status, or ability
179. com_____te well with my advisor *v.* to share or exchange information with others by speaking, writing, moving your body, or using other signals
180. op_____ne occasion *adj.* suitable or happening at a time that is suitable or convenient for a particular purpose
181. X-__y scan *n.* a type of electromagnetic radiation that has a wavelength shorter than visible light allowing hidden objects such as bones and organs inside the body to be photographed
182. the mean annual ra_____ll *n.* the amount of rain that falls in a specific location at a particular moment
183. a civil en_____er *n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software

ANSWERS: 175. inequality, 176. vibrate, 177. shuttle, 178. peer, 179. communicate, 180. opportune, 181. X-ray, 182. rainfall, 183. engineer

184. the cell of the im___e system *adj.* protected against a particular disease or toxin due to the presence of specific antibodies or sensitized white blood cells
185. in___e a tire *v.* to fill something with air or gas so that it becomes bigger and rounder
186. a seafaring na___n *n.* a large organized community of people living in a particular country or region and having a particular culture
187. big, b__d piano sounds *adj.* brave, daring, and confident; not frightened of danger or afraid to say what you feel or to take risks
188. com_____te his anxieties to the psychiatrist *v.* to share or exchange information with others by speaking, writing, moving your body, or using other signals
189. sus_____le alternative fuel *adj.* able to continue or be continued for a long time
190. ru___e down the dirt track *v.* to make a low, heavy continuous sound
191. im___e from criminal prosecution *adj.* protected against a particular disease or toxin due to the presence of specific antibodies or sensitized white blood cells
192. 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
193. ina_____ble to an unauthorized user *adj.* unable to travel to or reach; not available

ANSWERS: 184. immune, 185. inflate, 186. nation, 187. bold, 188. communicate, 189. sustainable, 190. rumble, 191. immune, 192. launch, 193. inaccessible

194. end_____ed ecosystem *adj.* at risk of extinction because it is facing significant threats
195. mic_____ity environment *n.* a condition of feeble gravity, often experienced by objects or organisms in orbit around a planet or other celestial body, such as the International Space Station
196. research on anti-ra___m *n.* prejudice, discrimination, or antagonism directed against a person or people based on their membership in a particular ethnic group, typically one that is a minority or marginalized
197. my vo_____er work *n.* a person who performs or offers to perform a job or service without being paid for or forced to do
198. financial a_d *n.* things sent to help countries in need, notably food or money; support
199. intelligence ag___y *n.* an organization or business that is responsible for specific activities or services, especially when representing other organizations or businesses; the capacity or power to act or exert influence; the ability to make decisions and take action
200. lo___e a tumor *v.* to specify or determine the exact position of someone or something
201. fashion me___r *n.* a person who helps and advises a younger or less experienced person over time, usually at work or school
202. a meteorological obs_____ry *n.* a building designed and equipped to observe the planets, the stars, the weather, etc.

ANSWERS: 194. endangered, 195. microgravity, 196. racism, 197. volunteer, 198. aid, 199. agency, 200. locate, 201. mentor, 202. observatory

203. im_____e the test score *v.* to make or become better
204. an_____a of insect *n.* an electrical device that sends or receives radio or television signals; (biology) one of one or more pairs of appendages used for sensing in insects
205. gov_____nt bureaucracy *n.* the group of people with authority to control a country or state
206. af____d a high travel cost *v.* to have enough money or time to be able to buy or do something
207. ad_____e the technology *v.* to go or move forward; to develop in a positive way
208. the attraction of gr_____y *n.* the force that attracts a body towards the center of the earth or towards any other physical body having mass; a manner that is solemn
209. a weather fo_____st *n.* a prediction or statement about how something, such as the weather, will develop or what will happen in the future; (verb) to predict the future in advance
210. 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
211. env_____nt affairs *n.* the natural world such as air, water, and land in which humans, animals, and plants live

ANSWERS: 203. improve, 204. antenna, 205. government, 206. afford, 207. advance, 208. gravity, 209. forecast, 210. develop, 211. environment

212. a steam en___e *n.* a machine that converts thermal energy to mechanical work; something that has an important role used to achieve a purpose
213. earn el___e status *adj.* belonging to the wealthiest, most potent, best-educated, or best-trained group in a society
214. co____al combination of funds *adj.* belonging to or used by a group rather than individuals; for common use
215. the first sn____ll of the season *n.* a fall of snow; the amount of snow falling within a particular area in a specific time
216. so____re architect *n.* a set of computer programs and associated documentation and data for doing particular computational jobs
217. a sch____ip association *n.* a grant or payment made to support a student's education usually awarded based on academic or other achievements
218. heavy ra____ll *n.* the amount of rain that falls in a specific location at a particular moment
219. vi____e with anger *v.* to move or cause anything to move fast and in small increments from side to side
220. und____ate course *n.* a student who is studying for their first degree at a university or other higher education institution
221. medical in___n *v.* to put someone in prison, especially for political or military reasons; (noun) a student or trainee who works, sometimes for free, to get work experience or to fulfill qualification criteria

ANSWERS: 212. engine, 213. elite, 214. communal, 215. snowfall, 216. software, 217. scholarship, 218. rainfall, 219. vibrate, 220. undergraduate, 221. intern

222. a b__d design *adj.* brave, daring, and confident; not frightened of danger or afraid to say what you feel or to take risks
223. st____ze in wonder *v.* to gaze at the stars, especially at night; to daydream or fantasize:
224. engineering und_____ate *n.* a student who is studying for their first degree at a university or other higher education institution
225. administrative co_____on *n.* the state of being mixed up or unclear, or the state of disorder or uncertainty
226. 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.
227. ec_____y of scale *n.* the system by which a country or region produces manages, and distributes goods and services, including the money and finances involved in these activities; (of an airline) the lowest-priced, most basic option for seating in commercial travel
228. the evidence of the pr_____ce *n.* the fact or state that someone or something exists, occurs, or is present
229. ec_____y class *n.* the system by which a country or region produces manages, and distributes goods and services, including the money and finances involved in these activities; (of an airline) the lowest-priced, most basic option for seating in commercial travel
230. spa_____ft launch *n.* a vehicle designed to travel through space, typically carrying astronauts or scientific instruments

ANSWERS: 222. bold, 223. stargaze, 224. undergraduate, 225. confusion, 226. orbit, 227. economy, 228. presence, 229. economy, 230. spacecraft

ANSWERS:

Session 3: Fill in the Blanks

1. Many multinational companies are _____ in the reconstruction of that country.
 - v. to attract and keep someone's attention and interest; to participate in or obtain services of something

2. Cities around the world set records for highest _____ this summer.
 - n. the degree of hotness or coldness of a thing or place

3. She received a full _____ to study abroad.
 - n. a grant or payment made to support a student's education usually awarded based on academic or other achievements

4. As a _____ he helped me realize my career.
 - n. a person who helps and advises a younger or less experienced person over time, usually at work or school

5. The robot can accurately _____ construction material.
 - v. to specify or determine the exact position of someone or something

6. The company specializes in both hardware and _____.
 - n. a set of computer programs and associated documentation and data for doing particular computational jobs

7. Her remarks _____ the debate.
 - v. to mistake one thing for another; to make somebody hard to understand

8. Ozone is a primary _____ to protect Earth's surface from harmful UV rays.
 - n. any of several types of equipment or systems used to separate particles from liquids or gases or to remove specific forms of light

ANSWERS: 1. engaged, 2. temperatures, 3. scholarship, 4. mentor, 5. locate, 6. software, 7. confused, 8. filter

9. The federal _____ is planning to increase taxes for the next fiscal year.
n. the group of people with authority to control a country or state
10. The conservation area has an abundance of _____.
n. animals, birds, insects, etc. that grow independently of people and live in natural conditions
11. The region has been experiencing a severe _____ leading to water shortages and crop failures.
n. a long period of time during which there is very little or no rain, leading to a shortage of water and often causing damage to crops and other vegetation
12. Government workers cannot _____ to political campaigns.
v. to give something, especially money or goods, to provide or achieve something together with other people
13. 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
14. Their team specializes in demand _____ for our products.
n. a prediction or statement about how something, such as the weather, will develop or what will happen in the future; (verb) to predict the future in advance
15. I will _____ my car before I go on a road trip.
v. to provide coverage in the event of loss or damage
16. The food chain causes a material _____.
n. an interval during which a recurring sequence of events occurs; a bicycle or motorcycle

ANSWERS: 9. government, 10. wildlife, 11. drought, 12. contribute, 13. colon, 14. forecasts, 15. insure, 16. cycle

17. There are several causes of economic _____ within societies.
- n.* the unfairness of a society in which some people have more opportunity, money, etc. than others; (mathematics) relation between two values when they are different
18. Her _____ is to be a mother.
- n.* something that is more important than other things and should be dealt with first
19. The police placed a _____ across the street to halt traffic.
- n.* a fence or other obstruction that makes it hard to move or get in; any condition that makes it difficult to make progress or to achieve an objective
20. The two countries signed a _____ to establish peaceful relations.
- n.* a formal agreement or pact between two or more countries or other international entities
21. Very few educational _____ go to Oxford or Cambridge.
- adj.* belonging to the wealthiest, most potent, best-educated, or best-trained group in a society
22. She couldn't _____ whether to order the pizza or the pasta for dinner.
- v.* to make up someone's mind about something; to come to a conclusion or judgment after considering options
23. The sudden policy change has caused _____ among employees.
- n.* the state of being mixed up or unclear, or the state of disorder or uncertainty
24. 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

ANSWERS: 17. inequality, 18. priority, 19. barrier, 20. treaty, 21. elites, 22. decide, 23. confusion, 24. observe

25. We want to _____ ties between our two countries.

v. to make or become better

26. The government should do more to support environmentally _____ agriculture.

adj. able to continue or be continued for a long time

27. She tried to _____ the layout of the new house in her mind.

v. to form a mental image or concept of something; to make something visible

28. As that country developed its industry, it began to invest more in _____ treatment technology.

n. water that contains waste substances from homes, farms, factories, etc.

29. 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

30. The company's new _____ on remote work has made it a more inclusive workplace.

n. a set of rules, guidelines, principles, or procedures that govern decision-making or action, often used in the context of business or government; a course of action or plan of action adopted or followed by an organization or individual to achieve a goal or objective

31. Several roads have been closed due to the heavy _____.

n. a fall of snow; the amount of snow falling within a particular area in a specific time

ANSWERS: 25. improve, 26. sustainable, 27. visualize, 28. wastewater, 29. develop, 30. policy, 31. snowfall

32. Among young people, _____ pressure can be pretty influential.
n. a person who has the same age, status, or ability
33. The school's lack of diversity was a clear indication of the _____ present in the community.
n. prejudice, discrimination, or antagonism directed against a person or people based on their membership in a particular ethnic group, typically one that is a minority or marginalized
34. The battle had an _____ impact on the nation.
adj. unlimited or very great; impossible to measure
35. The Prime Minister will pay a courtesy visit to the Nobel laureate's _____.
n. a workplace for the conduct of scientific research; a laboratory
36. Many studies have investigated the relationship between _____ and academic achievement.
n. the condition of being extremely poor
37. The government _____ regulated the country's food and drug safety standards.
n. an organization or business that is responsible for specific activities or services, especially when representing other organizations or businesses; the capacity or power to act or exert influence; the ability to make decisions and take action
38. The doctors said that her recovery was a _____.
n. an act or occurrence that is not explicable by natural or scientific laws and is therefore believed to be caused by God
39. The _____ response team worked around the clock to aid those affected by the earthquake.
n. an unexpected event or series of events that cause widespread damage, destruction, or loss of life

ANSWERS: 32. peer, 33. racism, 34. infinite, 35. lab, 36. poverty, 37. agency, 38. miracle, 39. disaster

40. The senator received _____ criticism from his opponent.

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

41. He found _____ in the works of his favorite authors.

n. something that motivates or encourages someone to create or achieve something, or a feeling of excitement or creativity

42. Heavy snow made it _____ to go to the mountain village.

adj. unable to travel to or reach; not available

43. Solar gravity creates _____ pressures and temperatures.

adj. very great in amount or degree

44. The teachers make full use of _____ assistance.

n. a person who performs or offers to perform a job or service without being paid for or forced to do

45. The pool water is kept clean through continuous _____.

n. the process of passing a substance (such as liquid or gas) through a medium to remove impurities or unwanted particles

46. The human-crewed _____ successfully landed on the moon, fulfilling its mission.

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

47. We should _____ several hypotheses to discuss the matter.

v. to suggest or accept something as fact or as a basis for argument or consideration

ANSWERS: 40. severe, 41. inspiration, 42. inaccessible, 43. extreme, 44. volunteer, 45. filtration, 46. spacecraft, 47. posit

48. Animal protection groups call for an end to animal testing in a _____.
- n.* a workplace for doing scientific research or teaching science; a lab
49. The path to a solid online _____ necessitates a high technical ability.
- n.* the fact or state that someone or something exists, occurs, or is present
50. Many families were forced to evacuate their homes due to the _____ severity.
- n.* a tropical storm with strong winds and heavy rain, typically occurring in the western Pacific Ocean
51. The researchers try to discover a common _____ in all types of successful organizations.
- n.* one of several parts that combines with others to form something bigger
52. That astronomical _____ stands at the top of the mountain.
- n.* a building designed and equipped to observe the planets, the stars, the weather, etc.
53. The government has implemented policies to protect the habitat of _____ animals.
- adj.* at risk of extinction because it is facing significant threats
54. Cultural norms strongly influence _____ expectations.
- n.* the range of characteristics of femininity and masculinity and differentiating between them, especially when considering social and cultural differences rather than differences in biology
55. Launching an artificial _____ contributed to the technological development of our country.
- n.* an electronic device that is sent up into space and moves around the Earth or another planet, used for gathering information or communicating by radio, television, etc.

ANSWERS: 48. laboratory, 49. presence, 50. typhoon's, 51. component, 52. observatory, 53. endangered, 54. gender, 55. satellite

56. The severe _____ caused by the drought has left many people without food.
n. a severe shortage of food, often caused by drought, war, or economic reasons
57. The thunder _____ in the distance.
v. to make a low, heavy continuous sound
58. Actuators convert _____ pulses into motion.
adj. relating to electricity
59. 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
60. Smoking places you at severe risk of _____ and respiratory disease.
adj. of or relating to the heart and blood vessels (= tubes that carry blood around the body)
61. 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
62. _____ elections were held in several European countries.
adj. belonging to or used by a group rather than individuals; for common use
63. 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

ANSWERS: 56. famine, 57. rumbled, 58. electrical, 59. determinant, 60. cardiovascular, 61. gravity, 62. Communal, 63. environment

64. During the flight, the wings of the plane _____.
- v.* to move or cause anything to move fast and in small increments from side to side
65. These plants thrive in hot climates with abundant _____.
- n.* the amount of rain that falls in a specific location at a particular moment
66. Many employers hire _____ trainees to train as managers.
- n.* a person who has a first degree from university or college; (verb) to complete the first course of university or college and get a degree
67. The phone rang at the most _____ time.
- adj.* suitable or happening at a time that is suitable or convenient for a particular purpose
68. The _____ of the country is struggling due to the recent political instability.
- n.* the system by which a country or region produces manages, and distributes goods and services, including the money and finances involved in these activities; (of an airline) the lowest-priced, most basic option for seating in commercial travel
69. 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
70. _____ is the foundation of our economy.
- n.* the practice or science of cultivating the land or raising stock
71. The _____ in the area is quite diverse.
- n.* plants in general, particularly those indigenous to a particular region or spot

ANSWERS: 64. vibrate, 65. rainfall, 66. graduate, 67. opportune, 68. economy, 69. telescope, 70. Agriculture, 71. vegetation

72. He conducted his research at the _____ laboratory using large-scale computing.
- n.* the branch of science that deals with processes in the Earth's atmosphere that cause weather conditions
73. He has a flair for _____.
- n.* the science dealing with the logic of quantities, shapes, spaces, and arrangement
74. Perseverance and optimism are _____ to success.
- adj.* necessary for the success or continued existence of something
75. The cost for the trip _____ food and beverages.
- v.* to deny someone or something enter to a place or taking part in an activity
76. 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
77. Dolphins use sound to _____ with each other.
- v.* to share or exchange information with others by speaking, writing, moving your body, or using other signals
78. Necessity is the mother of _____.
- n.* the creation of a new device or process resulting from study and experimentation; the act of inventing
79. He had a deep passion for extragalactic _____ and spent hours observing the night sky.
- n.* the scientific study of objects and matter outside the Earth's atmosphere, especially the positions, motions, and evolution of celestial bodies

ANSWERS: 72. meteorology, 73. mathematics, 74. vital, 75. excludes, 76. launch, 77. communicate, 78. invention, 79. astronomy

80. The _____ of Japan is known for its unique culture and advanced technology.
- n.* a large organized community of people living in a particular country or region and having a particular culture
81. The class was composed of both _____ and graduate students.
- n.* a student who is studying for their first degree at a university or other higher education institution
82. The company's _____ is "Innovation and Service," which is reflected in its products and customer support.
- n.* a phrase or slogan that expresses a guiding principle or goal
83. The policies he announces can be the _____ of economic growth in the country.
- n.* a machine that converts thermal energy to mechanical work; something that has an important role used to achieve a purpose
84. She intends to _____ a political career.
- v.* to do something or attempt to attain something over time; to follow or seek someone or something, especially in trying to catch them
85. The navy _____ ships of defeated nations.
- v.* to put someone in prison, especially for political or military reasons; (noun) a student or trainee who works, sometimes for free, to get work experience or to fulfill qualification criteria
86. NASA is an _____ organization that explores space and improves aviation technology.
- adj.* pertaining to the design, engineering, science, and technology related to the Earth's atmosphere and the exploration or use of space beyond it

ANSWERS: 80. nation, 81. undergraduate, 82. motto, 83. engine, 84. pursue, 85. interned, 86. aerospace

87. She had the _____ that work was fun.

n. the way you think and feel about someone or something

88. She _____ the money from her savings account to her checking account.

v. to move, pass, or change from one person, place, or situation to another

89. The shuttle _____ trained for months before embarking on the space mission.

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

90. She was disbarred for her _____ in fraud.

adj. attracting, pleasant, or charming

91. The _____ bus will take you to the airport in 15 minutes.

n. a vehicle or boat that regularly moves between two places; bobbin that passes the weft thread between the warp threads

92. 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

93. How did he _____ to your idea?

v. to take action in response to something

94. We like to _____ on clear summer nights and try to identify as many constellations as we can.

v. to gaze at the stars, especially at night; to daydream or fantasize:

95. The company's financial records _____ how successful it has been.

v. to provide pictures, photographs, diagrams, etc. in a book or something for explanation

ANSWERS: 87. attitude, 88. transferred, 89. astronaut, 90. engaging, 91. shuttle, 92. atmosphere, 93. react, 94. stargaze, 95. illustrate

96. Jockey's superior _____ brought him victory.

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

97. In the hospital, she will remain under constant _____.

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

98. The _____ will repair my telephone tomorrow morning.

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

99. He had a special _____ for public relations

n. an electrical device that sends or receives radio or television signals; (biology) one of one or more pairs of appendages used for sensing in insects

100. The vaccination does not necessarily make you completely _____.

adj. protected against a particular disease or toxin due to the presence of specific antibodies or sensitized white blood cells

101. 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.

102. She _____ the balloons for the party.

v. to fill something with air or gas so that it becomes bigger and rounder

103. We _____ to achieve more wages and safer working conditions.

v. to wallop somebody or something with the hand, fist, or weapon; to have an emotional or cognitive impact upon

ANSWERS: 96. technique, 97. observation, 98. engineer, 99. antenna, 100. immune, 101. orbit, 102. inflated, 103. strike

104. Scientific knowledge will _____ significantly with the power of AI.
v. to go or move forward; to develop in a positive way
105. She is still _____ from a shot to her shoulder.
v. to return to a former condition, health, mind, or strength
106. Hydrogen and oxygen _____ to form water.
v. to join or merge to form a single thing or group
107. The doctor ordered an _____ to see if there was any damage to the bones.
n. a type of electromagnetic radiation that has a wavelength shorter than visible light allowing hidden objects such as bones and organs inside the body to be photographed
108. 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
109. He tried to _____ a bad reputation and win the election.
v. to succeed in controlling or dealing with something, such as a problem or difficulty; to defeat or overwhelm someone
110. He cannot _____ a holiday.
v. to have enough money or time to be able to buy or do something
111. Pakistan's ___ budget was still being reviewed.
n. things sent to help countries in need, notably food or money; support

ANSWERS: 104. advance, 105. recovering, 106. combine, 107. X-ray, 108. privilege, 109. overcome, 110. afford, 111. aid

112. The effort to alleviate climate change needs _____ action.

adj. brave, daring, and confident; not frightened of danger or afraid to say what you feel or to take risks

113. Our company hires _____ of national origin.

adv. without taking something into account; regardless of

114. The project's _____ made it difficult for the team to complete it on time.

n. the state or quality of being complicated or intricate and difficult to understand

115. Astronauts experience the effects of _____ when they are in space.

n. a condition of feeble gravity, often experienced by objects or organisms in orbit around a planet or other celestial body, such as the International Space Station

ANSWERS: 112. bold, 113. irrespective, 114. complexity, 115. microgravity