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Vocabulary Builder Reference from...

Joe Lassiter: We need nuclear power to solve climate change | TED Talk

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

All Words

IMPORTANT

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Session 1: Word List

electrify

v. to make a machine or system work by using electricity; to make someone extremely enthusiastic about or interested in something

synonym: wire, amaze, astonish

(1) **electrify** the audience, (2) **electrify** a manufacturing process

The product developed through years of research continues to **electrify** the market.

fuel

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

synonym: energy, power, gas

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

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

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.

empathy

n. the ability to share another person's feelings or experiences by imagining that person's situation
synonym: compassion, sympathy, tenderness

(1) full of **empathy**, (2) **empathy** for patients

Empathy is also necessary to understand history.

distance

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

synonym: space, gap, span

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

The marathon runner covered a long **distance** in a short amount of time.

stagnant

adj. not flowing or circulating; standing still; stagnant water

synonym: still, stagnant, unmoving

(1) **stagnant** car sales, (2) **stagnant** economy

The **stagnant** water in the pond is a breeding ground for mosquitoes.

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.

involve

v. to include or affect someone or something as a necessary part of something else

synonym: implicate, include, engage

(1) **involve** a lot of paperwork, (2) **involve** a high degree of risk

The investigation **involves** several government agencies and is expected to take several months.

despair

n. the feeling that there is no hope and you cannot do anything to improve a difficult situation

synonym : dismay, anguish, misery

(1) **despair** at the future, (2) untold **despair**

His friend's death drove him to **despair**.

difficulty

n. a condition or state that causes problems

synonym : hardship, complication, problem

(1) the degree of **difficulty**, (2) **difficulty** in breathing

He has **difficulty** exercising because of a back injury sustained in an accident.

president

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

synonym : leader, CEO, chairperson

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

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

employ

v. to give somebody a job and pay them for it; to make use of

synonym : hire, engage, use

(1) **employ** job seekers, (2) **employ** a new method

When making arrests, police officers frequently **employ** excessive force.

coal

n. a combustible black or brownish-black sedimentary rock that is found below the ground and burnt to produce heat

synonym : ember

(1) a **coal-fired** ship, (2) construction of new **coal** plants

We combust **coal** and other fossil fuels to generate electricity.

industrious

adj. hardworking, diligent, and persistent in effort

synonym : diligent, hardworking, assiduous

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

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

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**.

decision

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

synonym : choice, determination, judgment

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

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

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.

climate

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

synonym : atmosphere, weather, environment

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

Climate and weather have an impact on every part of our

lifestyles.

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.

genuine

adj. real and exactly; not pretended; sincerely felt or expressed

synonym: actual, honest, unpretending

(1) a **genuine** article, (2) show **genuine** regret

Is this painting **genuine** or forged?

forthcoming

adj. likely to happen or be available soon

synonym: imminent, upcoming, anticipated

(1) in the **forthcoming** week, (2) **forthcoming** book

The **forthcoming** election is causing a lot of tension and uncertainty.

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.

unfortunate

adj. having bad luck or fortune; unlucky

synonym: unlucky, pitiful, wretched

(1) an **unfortunate** orphan, (2) an **unfortunate** situation

The **unfortunate** accident caused many injuries and some fatalities.

independence

n. freedom from another's or others' control or influence

synonym: freedom, liberty, autonomy

(1) financial **independence**, (2) **independence** ceremony

There is nothing more valuable than **independence** and freedom.

analyze

v. to think about in-depth and evaluate to discover essential features or meaning

synonym: explore, examine, investigate

(1) **analyze** a chemical compound, (2) **analyze** your real motives

The teacher attempted to **analyze** the root cause of our mistake.

liable

adj. having legal responsibility for something or someone

synonym: answerable, responsible, accountable

(1) **liable** to taxation, (2) **liable** for all damages

The people are **liable** to tax.

yield

n. the total output of crops, profits, etc. that are produced; (verb) to produce or supply helpful something, such as a profit, an amount of food, or information

synonym: proceeds, harvest, output

(1) corn **yield**, (2) the **yield** on the bond

The company's stock gives a high **yield**.

magnitude

n. the extent, level, importance, or amount of something

synonym: size, extent, level

(1) a star of the first **magnitude**, (2) the **magnitude** of the disaster

The **magnitude** of the earthquake was measured at 7.8 on the Richter scale.

statistics

n. the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data

(1) **statistics** for cancer, (2) official **statistics**

The **statistics** demonstrate that poverty and unemployment are genuine problems.

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.

assess

v. to judge or decide the nature or quality of someone or something

synonym: estimate, evaluate, consider

(1) **assess** a tax of 10 pounds, (2) **assess** the quality

Our company needs to **assess** the business impact of climate change.

implement

v. to put a decision, plan, or system into effect

synonym: execute, enforce, put through

(1) **implement** a corporate strategy, (2) **implement** security measures

The government promised to **implement** a new system to control the financial crisis.

commitment

n. a promise or firm decision to do something or to behave in a certain way

synonym: burden, obligation, promise

(1) a **commitment** to an alliance, (2) meet his **commitments**

His business **commitments** took him to the United States.

emission

n. the act of production or sending out gas, heat, light, etc.

synonym: emanation, radiation, discharge

(1) global **emissions** of greenhouse gases, (2) the **emission** of light

There are five distinct **emissions** at five unique wavelengths.

appreciate

v. to value and acknowledge the worth of someone or something; to be grateful for something or someone

synonym: acknowledge, admire, enjoy

(1) **appreciate** her feedback, (2) **appreciate** the value

We would **appreciate** an early reply.

planet

n. any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star

synonym: earth, world, globe

(1) **planet** like the Earth, (2) save the **planet**

Mercury is the closest **planet** to the sun.

fossil

n. any preserved remains, impression, or trace of any once-living thing that has become hard and turned into rock

synonym: relic, remnant, antediluvian

(1) burning of **fossil** fuels, (2) a **fossil** leaf

It was the **fossil** of a dinosaur tooth.

bulk

n. the quantity or size of something that is very large; the main part of something

synonym: majority, largeness, amount

(1) buy in **bulk**, (2) **bulk** data transfer

I received a parcel of great **bulk**.

grant

v. to agree to give or allow somebody

synonym: allocate, authorize, give

(1) **grant** a new license, (2) **grant** a land

The chairperson **granted** him the right to speak.

gigaton

n. a unit of explosive energy equal to one billion tons of TNT (= a powerful, yellow explosive substance); one billion tons

(1) **gigaton-class** bomb, (2) half a **gigaton** of CO₂

The earthquake that hit the Pacific Ocean last night is said to have released about 30 **gigatons** of energy.

carbon

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

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

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

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**.

diffuse

adj. spread out widely; not concentrated in one place

synonym: spread, scatter

(1) **diffuse** bleeding, (2) **diffuse** cloud

Direct lighting is preferable to **diffuse** lighting when reading.

degree

n. a unit of measurement for angles, temperature, or level of proficiency or achievement; a rank or level of academic or professional attainment

synonym: level, qualification, diploma

(1) bachelor's **degree**, (2) **degree** centigrade

She received her **degree** in psychology from the university.

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.

acidification

n. the act or process of becoming acid or making something become acid

(1) **acidification** of soil, (2) stream **acidification**

Ocean **acidification** leads to a decrease in tiny sea snails.

function

n. the purpose or use of an object, system, or process; a particular activity or operation that is designed to serve a specific purpose; a mathematical concept that describes a relationship between two sets of values, called the input and output sets; (verb) to operate or work in a specific way, or to perform a particular task or purpose

synonym : purpose, mapping, job

(1) **function** properly, (2) immune **function**

The brain is an incredibly complex organ that controls the body's **function**.

latitude

n. the distance of a place north or south of the earth's equator, measured in degrees; freedom from normal restraints in conduct

synonym : breadth, range, freedom

(1) high **latitudes**, (2) **latitude** of choice

The city is located at a **latitude** of 40 degrees north.

overwhelming

adj. very great or intense; so powerful that you cannot fight or react against it

synonym : overpowering, astounding, amazing

(1) **overwhelming** majority, (2) an **overwhelming** victory

He has shown signs of uneasiness and **overwhelming** worry.

alternative

n. one of two or more available possibilities or choice

synonym : choice, option

(1) an **alternative** plan, (2) there is no other **alternative**

Doctors are gradually coming around to the idea of using **alternative** medicines.

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**.

frack

v. to inject water and chemicals into the ground at high pressure to fracture the rock and release the gas or oil, especially to extract them

synonym : extract, drill, mine

(1) **frack** the land, (2) **frack** multiple wells

The energy company plans to **frack** the shale deposit to extract natural gas.

shale

n. a sedimentary rock formed from the accumulation of fine-grained clay, silt, or mud, often used in construction or as a source of fuel

synonym : rock, sedimentary rock

(1) **shale** rock, (2) **shale** gas

The geologist studied the **shale** layers in the rock formations to determine their age.

renewable

adj. capable of being renewed, extended, or replaced

synonym : sustainable, replaceable

(1) **renewable** energy, (2) **renewable** subscriptions

The production of **renewable** fuels requires massive volumes of fresh water.

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.

deploy

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

synonym : set up, expand, launch

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

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

nuclear

adj. of or relating to or constituting the nucleus of an atom; deriving destructive energy from the release of atomic

energy

synonym : atomic

(1) **nuclear** fusion, (2) use of **nuclear** power

Many countries have now agreed to a treaty banning the use of **nuclear** weapons.

committed

adj. willing to put in a lot of effort, time, and energy into something; firmly believing in something

synonym : devoted, faithful, attached

(1) in a **committed** relationship, (2) strong and **committed** sales staff

Our company is strongly **committed** to meeting customers' needs.

entanglement

n. involvement in a complicated or difficult situation; a tangled mass

synonym : snarl, tangle, knot

(1) **entanglement** in conflict, (2) romantic **entanglement**

The **entanglement** of the fishing net was making it difficult for the whales to swim.

row

n. an arrangement of objects or people side by side in a line; (verb) to propel a boat through the water using oars

synonym : line, sequence, layer

(1) criminal on death **row**, (2) a **row** of cherry trees

He was the leader of the demonstrators and spoke out against the war in the front **row**.

hoe

n. a garden tool with a flat blade attached at right angles to a long handle

(1) garden **hoe**, (2) weeding **hoe**

She purchased a **hoe** and a sickle for a backyard vegetable garden.

rural

adj. of or relating to the countryside

synonym : agrarian, country, rustic

(1) **rural** accents, (2) people in **rural** areas
Many **rural** areas are still impoverished.

electrification

n. the process of installing electrical equipment or infrastructure, especially in a place that previously only had non-electrical equipment or infrastructure; the act of supplying electrical energy to an object or system, causing it to become electrically charged;

(1) railway **electrification**, (2) **electrification** current

The village was excited about the **electrification** of their community, which would bring light to their homes.

urbanize

v. to make an area more urban in character or nature, often through the development and expansion of cities or towns

synonym: develop, modernize, city-build

(1) **urbanize** a region, (2) **urbanize** transportation systems

The government plans to **urbanize** the rural area by building more housing units and improving transportation infrastructure.

labor

n. productive work, especially physical work done for wages; the people who do manual or physical work in a country or company for wage; (verb) to work hard or to strive and make an effort to reach a goal

synonym: toil, toil, donkeywork

(1) seasonal **labor**, (2) manual **labor**

In several countries, child **labor** is a serious social problem.

export

v. to send goods or services to another country for sale; to transfer electronic data out of a database or document in a format that other programs can use

synonym: ship, send, transfer

(1) **export** goods, (2) **export** the data

The country **exports** a large amount of agricultural products.

tremendous

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

synonym : enormous, giant, immense

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

We had a **tremendous** time yesterday.

prosperity

n. the state of being successful and having the good fortune

synonym : affluence, accomplishment, capital

(1) economic **prosperity**, (2) **prosperity** of humankind

This war shattered dreams of peace and **prosperity**.

dramatically

adv. in a very impressive manner

synonym : greatly, noticeably, suddenly

(1) he confessed **dramatically**, (2) the cabin pressure fell **dramatically**

Life expectancy has grown **dramatically** this century.

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.

remarkable

adj. worthy of attention because unusual or special

synonym : outstanding, exceptional, extraordinary

(1) **remarkable** achievement, (2) the **remarkable** breadth of knowledge

The election was a **remarkable** success for the Whigs.

- feat** *n.* a notable or impressive achievement, especially one that requires great skill or bravery
synonym: achievement, accomplishment, exploit
(1) intellectual **feat**, (2) **feat** accomplishment
It is an incredible **feat** to climb Mount Everest, the highest mountain in the world.
- liberty** *n.* the state of being free within society from oppressive restrictions imposed by authority on one's way of life, behavior, or political views
synonym: freedom, autonomy, independence
(1) personal **liberty**, (2) **liberty** as a right
The founding fathers fought for the **liberty** of the American people.
- wealth** *n.* a large amount of money, property, or other things that someone or an organization owns
synonym: affluence, assets, fortunate
(1) majority of his **wealth**, (2) material **wealth**
The **wealth** inequality was unavoidable.
- massive** *adj.* enormous amount; very heavy and solid
synonym: enormous, giant, immense
(1) **massive** amounts, (2) **massive** stars
The recent economic downturn has resulted in **massive** layoffs.
- nutrition** *n.* the substances or the process that organisms take into their bodies as food for their growth and health
synonym: alimentation, nourishment, sustenance
(1) **nutrition** condition, (2) **nutrition** intake
This food contains all the **nutrition** your dog requires.
- sew** *v.* to join, fasten, or repair two pieces of something by putting the thread through them with a needle
synonym: stitch, darn, tailor
(1) **sew** with thread, (2) **sew** a button

My mother taught me how to **sew**.

dramatic

adj. very sudden, very excellent, or full of action and excitement

synonym : striking, theatrical, breathtaking

(1) make **dramatic** changes, (2) a **dramatic** rescue at sea
The statement had a **dramatic** impact on house prices.

diarrhea

n. a common digestive disorder with the frequent passage of loose, watery stools that can be caused by various factors such as infections, food poisoning, and certain medications

synonym : looseness, gastroenteritis, dysentery

(1) **diarrhea-related** dehydration, (2) **diarrhea** with abdominal pain

I had a terrible case of **diarrhea** and couldn't stop going to the bathroom.

disease

n. a disorder or illness that affects the body or mind, often characterized by specific symptoms or abnormal functioning of organs or systems

synonym : illness, ailment, affliction

(1) **disease** prevention, (2) **disease** control

The doctor diagnosed him with a rare **disease** that had no known cure.

outdo

v. to do better than someone; to surpass

synonym : excel, surpass, outshine

(1) **outdo** him in trickery, (2) **outdo** the competition

He tried to **outdo** his rival by breaking the world record.

pollution

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

synonym : corrosion, deterioration, corruption

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

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

indoor

adj. located, happened, or used inside a building
(1) an **indoor** pool, (2) designed for **indoor** use
Table tennis is an **indoor** sport.

estimate

v. to guess or calculate the cost, size, value, etc. of something
synonym: calculate, gauge, evaluate
(1) **estimate** a fair value, (2) **estimate** this chicken to weigh three pounds
We **estimated** the season's total trade deficit at \$50 billion.

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.

watt

n. a standard unit for measuring electrical power
(1) 30- **watt** light bulb, (2) **watt** per square meter
Several hectares of land are needed to generate more than 1-mega **watt** solar power.

regardless

adv. not paying attention or considering something or someone even if the situation is bad or there are difficulties
synonym: anyhow, nevertheless, still
(1) **regardless** of the difficulties, (2) **regardless** tread
People can pick out superior products **regardless** of the quality of the advertising.

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.

ethnicity

n. the cultural characteristics of a particular group, such as language, religion, and traditions, that distinguish them from other groups

synonym : race, culture, heritage

(1) with respect to **ethnicity**, (2) based on their **ethnicity**

The company has a diverse workforce representing different **ethnicity** and backgrounds.

venture

n. a business project or activity that is risky or daring

synonym : enterprise, undertaking, adventure

(1) **venture** capital, (2) a joint **venture**

The **venture** into the new market was risky, but it paid off.

capitalism

n. an economic system based on the private ownership of the means of production and their operation for profit

synonym : commercialism

(1) advance **capitalism**, (2) under the umbrella of **capitalism**

Capitalism also guarantees intellectual property rights and thus promotes innovation.

append

v. to add or attach something, especially supplementary or additional information or material, to the end or after something else; to include or incorporate as an addition or enhancement

synonym : attach, add, affix

(1) **append** a record, (2) **append** a page

I need to **append** the additional information to the end of the report before submitting it.

viable

adj. capable of being done as intended; able to succeed

synonym : feasible, possible, attainable

(1) achieve a **viable** relationship, (2) develop a **viable** therapy

Male gorillas with good drumming skills are more **viable**.

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.

scalable

adj. capable of being easily expanded or increased in size, number, or scale to meet changing demands

synonym: expandable, flexible, adjustable

(1) **scalable** solution, (2) dynamically **scalable**

The company's new software is highly **scalable**, allowing it to handle increasing number of users.

timetable

n. a schedule or plan that shows the times at which particular events or activities are intended to occur; a list of train, bus, or airplane departures and arrivals

synonym: schedule, itinerary, agenda

(1) exam **timetable**, (2) adjust the **timetable**

The airline's **timetable** showed a delay of three hours for our flight to London.

subsidy

n. money paid by a government or an organization as part of the cost of something to aid or encourage it to happen

synonym: allowance, grant, sponsorship

(1) inefficient fossil fuel **subsidy**, (2) a **subsidy** for research

The government provided a considerable **subsidy** to the company.

mandate

n. an official or authoritative instruction or command; a commission or authority to carry out a particular task

synonym: command, instruction, authority

(1) **mandate** obligation, (2) an Imperial **mandate**

The **mandate** given to the new government is to improve the

economy.

maintain

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

synonym: preserve, uphold, sustain

(1) **maintain** order, (2) **maintain** good health

I need to **maintain** my car regularly to prevent any major mechanical issues.

beg

v. to ask for something urgently or earnestly; to appeal to someone to do something

synonym: plead, implore, entreat

(1) **beg** the question, (2) **beg** for help

She **begged** her parents to let her go to the concert.

shift

n. a slight transition in position, direction, or trend

synonym: transition, change, modification

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

Could you help me **shift** some furniture?

hydro

n. a prefix denoting water or relating to water, usually used in scientific or technical terminology

synonym: water, aqua, liquid

(1) **hydro** power, (2) **hydro** turbine

The **hydro** plant generates electricity by harnessing the power of water.

equivalent

n. having the same value, quality, meaning, purpose, etc.

synonym: equal, counterpart, match

(1) **equivalent** amounts, (2) **equivalent** in meaning

The European Central Bank is Europe's **equivalent** of the Federal Reserve.

basis

n. the most important facts, ideas, or events from which something is developed; the way how things are organized or arranged

synonym : foundation, base, ground

(1) on an equal **basis**, (2) **basis** for calculation

This evidence will form the **basis** for our discussion.

adjust

v. to make a minor modification to something to make it more suited for a new set of conditions or to make it function better.

synonym : adapt, alter, acclimate

(1) **adjust** a schedule, (2) **adjust** the rearview mirror

You have to **adjust** your content to the age of the audience.

intermittent

adj. occurring at irregular intervals; not continuous or steady; stopping and starting periodically; sporadic

synonym : sporadic, irregular, periodic

(1) **intermittent** fever, (2) **intermittent** Wi-Fi

The **intermittent** rain made it difficult to plan a picnic.

aim

v. to try or plan to get or achieve something

synonym : aspire, direct, target

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

We **aim** for an overseas expansion.

demonstrate

v. to display something or give an exhibition to an interested audience

synonym : show, illustrate, display

(1) **demonstrate** a difference, (2) **demonstrate** mastery

How can you **demonstrate** that the earth is a sphere?

utility

n. the state or quality of being useful or convenient; the service, such as electric power or water or transportation, provided by a public

synonym : usefulness, practicality, utility

(1) **utility** costs, (2) marginal **utility**

The **utility** of the device was immediately apparent to all who saw it.

battery

n. a device that is placed inside a car, gadget, equipment, etc. and that provides electrical power to them

synonym : electric cell, array, batch

(1) a dry **battery**, (2) **battery** charging

The engine did not start because the **battery** was flat.

outdated

adj. no longer useful or valid because of being old-fashioned

synonym : obsolete, ancient, bygone

(1) become **outdated**, (2) **outdated** technology

We replaced **outdated** equipment to improve factory productivity.

mindset

n. the established set of attitudes or fixed ideas held by someone

synonym : attitude, ethos, mentality

(1) flexible **mindset**, (2) the **mindset** in an education system

Countries whose goal is economic development often focus on fostering an entrepreneurial **mindset** in each individual.

radiology

n. the branch of medicine that uses medical imaging technologies such as X-rays, CT scans, MRIs, and ultrasound to diagnose and treat diseases and injuries

synonym : medical imaging, radiography, radioscopy

(1) interventional **radiology**, (2) diagnostic **radiology**

The patient underwent a **radiology** scan to diagnose their medical condition.

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.

govern

v. to legally control and direct a country, city, group of people, etc. and be responsible for introducing new laws, organizing and maintaining public services

synonym : control, rule, preside

(1) a nation's right to **govern**, (2) **govern** a public enterprise
The regulations **governing** medical malpractice claims are rigorous.

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?

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.

historic

adj. famous or significant in history, or potentially so

synonym : memorable, momentous, historical

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

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

military

adj. relating to or characteristic of members of the armed forces; of or relating to war or warfare

synonym : armed, martial, warlike

(1) a **military** operation, (2) a **military** leader

The **military** academy was known for its strict discipline and training.

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**.

Session 2: Spelling

1. corn yi__d *n.* the total output of crops, profits, etc. that are produced; (verb) to produce or supply helpful something, such as a profit, an amount of food, or information
2. make dr____ic changes *adj.* very sudden, very excellent, or full of action and excitement
3. designed for in___r use *adj.* located, happened, or used inside a building
4. el_____fy a manufacturing process *v.* to make a machine or system work by using electricity; to make someone extremely enthusiastic about or interested in something
5. pl___t like the Earth *n.* any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star
6. an ove_____ing victory *adj.* very great or intense; so powerful that you cannot fight or react against it
7. dem_____te mastery *v.* to display something or give an exhibition to an interested audience
8. ou__o the competition *v.* to do better than someone; to surpass
9. half a gi_____n of CO2 *n.* a unit of explosive energy equal to one billion tons of TNT (= a powerful, yellow explosive substance); one billion tons
10. di_____e cloud *adj.* spread out widely; not concentrated in one place

ANSWERS: 1. yield, 2. dramatic, 3. indoor, 4. electrify, 5. planet, 6. overwhelming, 7. demonstrate, 8. outdo, 9. gigaton, 10. diffuse

11. marginal ut____y *n.* the state or quality of being useful or convenient; the service, such as electric power or water or transportation, provided by a public
12. ex____e weather events *adj.* very great in amount or degree
13. official sta_____cs *n.* the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data
14. the in_____on of new techniques *n.* the creation of a new device or process resulting from study and experimentation; the act of inventing
15. sc____le solution *adj.* capable of being easily expanded or increased in size, number, or scale to meet changing demands
16. achieve a vi____e relationship *adj.* capable of being done as intended; able to succeed
17. 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
18. aci_____ion of soil *n.* the act or process of becoming acid or making something become acid
19. adjust the ti_____le *n.* a schedule or plan that shows the times at which particular events or activities are intended to occur; a list of train, bus, or airplane departures and arrivals
20. b__k data transfer *n.* the quantity or size of something that is very large; the main part of something

ANSWERS: 11. utility, 12. extreme, 13. statistics, 14. invention, 15. scalable, 16. viable, 17. develop, 18. acidification, 19. timetable, 20. bulk

21. vice-pr_____nt for finance *n.* the leader of a republic, for example, the US; the person in charge of the organization such as a company, university, club, etc.
22. ma_____in good health *v.* to continue to uphold or sustain; to keep in a particular state or condition; to assert or declare something to be true
23. gr__t a land *v.* to agree to give or allow somebody
24. a dr_____ic rescue at sea *adj.* very sudden, very excellent, or full of action and excitement
25. ut_____y costs *n.* the state or quality of being useful or convenient; the service, such as electric power or water or transportation, provided by a public
26. manual la__r *n.* productive work, especially physical work done for wages; the people who do manual or physical work in a country or company for wage; (verb) to work hard or to strive and make an effort to reach a goal
27. with respect to et_____ty *n.* the cultural characteristics of a particular group, such as language, religion, and traditions, that distinguish them from other groups
28. inefficient fossil fuel su_____y *n.* money paid by a government or an organization as part of the cost of something to aid or encourage it to happen
29. stream aci_____ion *n.* the act or process of becoming acid or making something become acid

ANSWERS: 21. president, 22. maintain, 23. grant, 24. dramatic, 25. utility, 26. labor, 27. ethnicity, 28. subsidy, 29. acidification

30. a joint ve_____e *n.* a business project or activity that is risky or daring
31. based on their et_____ty *n.* the cultural characteristics of a particular group, such as language, religion, and traditions, that distinguish them from other groups
32. 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
33. di_____ea with abdominal pain *n.* a common digestive disorder with the frequent passage of loose, watery stools that can be caused by various factors such as infections, food poisoning, and certain medications
34. an alt_____ve plan *n.* one of two or more available possibilities or choice
35. a cold cl_____e *n.* the weather in a particular location averaged over some long period
36. de___y troops for battle *v.* to move troops or weapons into a position or military action; to bring into something in an effective way
37. a nation's right to go___n *v.* to legally control and direct a country, city, group of people, etc. and be responsible for introducing new laws, organizing and maintaining public services
38. develop a vi___e therapy *adj.* capable of being done as intended; able to succeed
39. a r_w of cherry trees *n.* an arrangement of objects or people side by side in a line; (verb) to propel a boat through the water using oars

ANSWERS: 30. venture, 31. ethnicity, 32. atmosphere, 33. diarrhea, 34. alternative, 35. climate, 36. deploy, 37. govern, 38. viable, 39. row

40. li____y as a right *n.* the state of being free within society from oppressive restrictions imposed by authority on one's way of life, behavior, or political views
41. the em____on of light *n.* the act of production or sending out gas, heat, light, etc.
42. app_____te her feedback *v.* to value and acknowledge the worth of someone or something; to be grateful for something or someone
43. ind_____nce ceremony *n.* freedom from another's or others' control or influence
44. flexible mi____t *n.* the established set of attitudes or fixed ideas held by someone
45. dem_____te a difference *v.* to display something or give an exhibition to an interested audience
46. de___e a question *v.* to make up someone's mind about something; to come to a conclusion or judgment after considering options
47. em____y for patients *n.* the ability to share another person's feelings or experiences by imagining that person's situation
48. ou____ed technology *adj.* no longer useful or valid because of being old-fashioned
49. ex___t goods *v.* to send goods or services to another country for sale; to transfer electronic data out of a database or document in a format that other programs can use
50. major paradigm sh__t *n.* a slight transition in position, direction, or trend

ANSWERS: 40. liberty, 41. emission, 42. appreciate, 43. independence, 44. mindset, 45. demonstrate, 46. decide, 47. empathy, 48. outdated, 49. export, 50. shift

51. weeding h_e *n.* a garden tool with a flat blade attached at right angles to a long handle
52. b_g for help *v.* to ask for something urgently or earnestly; to appeal to someone to do something
53. hy__o power *n.* a prefix denoting water or relating to water, usually used in scientific or technical terminology
54. equ_____nt in meaning *n.* having the same value, quality, meaning, purpose, etc.
55. a mi_____ry leader *adj.* relating to or characteristic of members of the armed forces; of or relating to war or warfare
56. ve_____e capital *n.* a business project or activity that is risky or daring
57. 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
58. personal li_____y *n.* the state of being free within society from oppressive restrictions imposed by authority on one's way of life, behavior, or political views
59. ap___d a page *v.* to add or attach something, especially supplementary or additional information or material, to the end or after something else; to include or incorporate as an addition or enhancement
60. ma_____e obligation *n.* an official or authoritative instruction or command; a commission or authority to carry out a particular task

ANSWERS: 51. hoe, 52. beg, 53. hydro, 54. equivalent, 55. military, 56. venture, 57. communicate, 58. liberty, 59. append, 60. mandate

61. em___y a new method *v.* to give somebody a job and pay them for it; to make use of
62. es_____te this chicken to weigh three pounds *v.* to guess or calculate the cost, size, value, etc. of something
63. fr__k multiple wells *v.* to inject water and chemicals into the ground at high pressure to fracture the rock and release the gas or oil, especially to extract them
64. bachelor's de___e *n.* a unit of measurement for angles, temperature, or level of proficiency or achievement; a rank or level of academic or professional attainment
65. ur_____ze a region *v.* to make an area more urban in character or nature, often through the development and expansion of cities or towns
66. ele_____ion current *n.* the process of installing electrical equipment or infrastructure, especially in a place that previously only had non-electrical equipment or infrastructure; the act of supplying electrical energy to an object or system, causing it to become electrically charged;
67. in_____e a lot of paperwork *v.* to include or affect someone or something as a necessary part of something else
68. fu_____on properly *n.* the purpose or use of an object, system, or process; a particular activity or operation that is designed to serve a specific purpose; a mathematical concept that describes a relationship between two sets of values, called the input and output sets; (verb) to operate or work in a specific way, or to perform a particular task or purpose

ANSWERS: 61. employ, 62. estimate, 63. frack, 64. degree, 65. urbanize, 66.

electrification, 67. involve, 68. function

69. pro_____ty of humankind *n.* the state of being successful and having the good fortune
70. app_____te the value *v.* to value and acknowledge the worth of someone or something; to be grateful for something or someone
71. Doppler sh__t *n.* a slight transition in position, direction, or trend
72. extreme tem_____res *n.* the degree of hotness or coldness of a thing or place
73. construction of new c__l plants *n.* a combustible black or brownish-black sedimentary rock that is found below the ground and burnt to produce heat
74. ba_____y charging *n.* a device that is placed inside a car, gadget, equipment, etc. and that provides electrical power to them
75. st_____nt car sales *adj.* not flowing or circulating; standing still; stagnant water
76. in the for_____ng week *adj.* likely to happen or be available soon
77. intellectual f__t *n.* a notable or impressive achievement, especially one that requires great skill or bravery
78. w__t per square meter *n.* a standard unit for measuring electrical power
79. biomass f__l *n.* a substance that is typically burned to generate heat or energy
80. s_w a button *v.* to join, fasten, or repair two pieces of something by putting the thread through them with a needle

ANSWERS: 69. prosperity, 70. appreciate, 71. shift, 72. temperature, 73. coal, 74. battery, 75. stagnant, 76. forthcoming, 77. feat, 78. watt, 79. fuel, 80. sew

81. a c__l-fired ship *n.* a combustible black or brownish-black sedimentary rock that is found below the ground and burnt to produce heat
82. ad___t a schedule *v.* to make a minor modification to something to make it more suited for a new set of conditions or to make it function better.
83. ap___d a record *v.* to add or attach something, especially supplementary or additional information or material, to the end or after something else; to include or incorporate as an addition or enhancement
84. buy in b__k *n.* the quantity or size of something that is very large; the main part of something
85. the te_____ue applied to construction *n.* a particular way or art of doing something that needs skill
86. there is no other alt_____ve *n.* one of two or more available possibilities or choice
87. global em_____ons of greenhouse gases *n.* the act of production or sending out gas, heat, light, etc.
88. re__t against his way of thinking *v.* to take action in response to something
89. im_____e the test score *v.* to make or become better
90. ind_____us student *adj.* hardworking, diligent, and persistent in effort
91. di_____e control *n.* a disorder or illness that affects the body or mind, often characterized by specific symptoms or abnormal functioning of organs or systems

ANSWERS: 81. coal, 82. adjust, 83. append, 84. bulk, 85. technique, 86. alternative, 87. emission, 88. react, 89. improve, 90. industrious, 91. disease

92. smokeless f__l *n.* a substance that is typically burned to generate heat or energy
93. rem_____le achievement *adj.* worthy of attention because unusual or special
94. high la_____des *n.* the distance of a place north or south of the earth's equator, measured in degrees; freedom from normal restraints in conduct
95. af____d to buy a new car *v.* to have enough money or time to be able to buy or do something
96. in_____e a high degree of risk *v.* to include or affect someone or something as a necessary part of something else
97. show ge_____e regret *adj.* real and exactly; not pretended; sincerely felt or expressed
98. li_____e to taxation *adj.* having legal responsibility for something or someone
99. tre_____us amount *adj.* very great in degree or extent or amount or impact; extremely good
100. hi_____ic accomplishment *adj.* famous or significant in history, or potentially so
101. ca_____n emission *n.* a chemical element that can be found in pure form as diamond or graphite, and it is also an essential part of coal and oil and is found in all plants and animals
102. ma_____e stars *adj.* enormous amount; very heavy and solid
103. meet his com_____nts *n.* a promise or firm decision to do something or to behave in a certain way

ANSWERS: 92. fuel, 93. remarkable, 94. latitude, 95. afford, 96. involve, 97. genuine, 98. liable, 99. tremendous, 100. historic, 101. carbon, 102. massive, 103. commitment

104. save the pl___t *n.* any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star
105. diagnostic ra_____gy *n.* the branch of medicine that uses medical imaging technologies such as X-rays, CT scans, MRIs, and ultrasound to diagnose and treat diseases and injuries
106. become ou_____ed *adj.* no longer useful or valid because of being old-fashioned
107. people in ru___l areas *adj.* of or relating to the countryside
108. ou__o him in trickery *v.* to do better than someone; to surpass
109. full of em_____y *n.* the ability to share another person's feelings or experiences by imagining that person's situation
110. a star of the first ma_____de *n.* the extent, level, importance, or amount of something
111. the ma_____de of the disaster *n.* the extent, level, importance, or amount of something
112. s_w with thread *v.* to join, fasten, or repair two pieces of something by putting the thread through them with a needle
113. go___n a public enterprise *v.* to legally control and direct a country, city, group of people, etc. and be responsible for introducing new laws, organizing and maintaining public services

ANSWERS: 104. planet, 105. radiology, 106. outdated, 107. rural, 108. outdo, 109. empathy, 110. magnitude, 111. magnitude, 112. sew, 113. govern

114. di_____e prevention *n.* a disorder or illness that affects the body or mind, often characterized by specific symptoms or abnormal functioning of organs or systems
115. the atmospheric tem_____re *n.* the degree of hotness or coldness of a thing or place
116. a te_____ue in martial arts *n.* a particular way or art of doing something that needs skill
117. a mi_____ry operation *adj.* relating to or characteristic of members of the armed forces; of or relating to war or warfare
118. the mi_____t in an education system *n.* the established set of attitudes or fixed ideas held by someone
119. com_____te well with my advisor *v.* to share or exchange information with others by speaking, writing, moving your body, or using other signals
120. a seafaring na____n *n.* a large organized community of people living in a particular country or region and having a particular culture
121. st_____nt economy *adj.* not flowing or circulating; standing still; stagnant water
122. 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
123. gr__t a new license *v.* to agree to give or allow somebody
124. 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

ANSWERS: 114. disease, 115. temperature, 116. technique, 117. military, 118. mindset, 119. communicate, 120. nation, 121. stagnant, 122. forecast, 123. grant, 124. miracle

125. dynamically sc____le *adj.* capable of being easily expanded or increased in size, number, or scale to meet changing demands
126. criminal on death r_w *n.* an arrangement of objects or people side by side in a line; (verb) to propel a boat through the water using oars
127. for____ng book *adj.* likely to happen or be available soon
128. untold de____r *n.* the feeling that there is no hope and you cannot do anything to improve a difficult situation
129. reg____ss of the difficulties *adv.* not paying attention or considering something or someone even if the situation is bad or there are difficulties
130. romantic ent____ent *n.* involvement in a complicated or difficult situation; a tangled mass
131. ca____n dioxide *n.* a chemical element that can be found in pure form as diamond or graphite, and it is also an essential part of coal and oil and is found in all plants and animals
132. af____d a high travel cost *v.* to have enough money or time to be able to buy or do something
133. he confessed dra____lly *adv.* in a very impressive manner
134. global climate tr____y *n.* a formal agreement or pact between two or more countries or other international entities
135. v__t desert *adj.* enormous in size, number, amount, or quantity
136. burning of fo____l fuels *n.* any preserved remains, impression, or trace of any once-living thing that has become hard and turned into rock

ANSWERS: 125. scalable, 126. row, 127. forthcoming, 128. despair, 129. regardless, 130. entanglement, 131. carbon, 132. afford, 133. dramatically, 134. treaty, 135. vast, 136. fossil

137. ove_____ing majority *adj.* very great or intense; so powerful that you cannot fight or react against it
138. financial ind_____nce *n.* freedom from another's or others' control or influence
139. railway ele_____ion *n.* the process of installing electrical equipment or infrastructure, especially in a place that previously only had non-electrical equipment or infrastructure; the act of supplying electrical energy to an object or system, causing it to become electrically charged;
140. material we___h *n.* a large amount of money, property, or other things that someone or an organization owns
141. an Imperial ma_____e *n.* an official or authoritative instruction or command; a commission or authority to carry out a particular task
142. the cabin pressure fell dra_____lly *adv.* in a very impressive manner
143. b_g the question *v.* to ask for something urgently or earnestly; to appeal to someone to do something
144. environmental po_____on *n.* the introduction of harmful substances or waste into the natural environment that causes adverse change
145. seasonal la__r *n.* productive work, especially physical work done for wages; the people who do manual or physical work in a country or company for wage; (verb) to work hard or to strive and make an effort to reach a goal

ANSWERS: 137. overwhelming, 138. independence, 139. electrification, 140. wealth, 141. mandate, 142. dramatically, 143. beg, 144. pollution, 145. labor

155. in a co_____ed relationship *adj.* willing to put in a lot of effort, time, and energy into something; firmly believing in something
156. 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
157. v__t majority *adj.* enormous in size, number, amount, or quantity
158. im_____nt security measures *v.* to put a decision, plan, or system into effect
159. im_____nt a corporate strategy *v.* to put a decision, plan, or system into effect
160. li___e for all damages *adj.* having legal responsibility for something or someone
161. 30-w__t light bulb *n.* a standard unit for measuring electrical power
162. nu_____r fusion *adj.* of or relating to or constituting the nucleus of an atom; deriving destructive energy from the release of atomic energy
163. high levels of air po_____on *n.* the introduction of harmful substances or waste into the natural environment that causes adverse change
164. immune fu_____on *n.* the purpose or use of an object, system, or process; a particular activity or operation that is designed to serve a specific purpose; a mathematical concept that describes a relationship between two sets of values, called the input and output sets; (verb) to operate or work in a specific way, or to perform a particular task or purpose

ANSWERS: 155. committed, 156. atmosphere, 157. vast, 158. implement, 159. implement, 160. liable, 161. watt, 162. nuclear, 163. pollution, 164. function

165. tre_____us popularity *adj.* very great in degree or extent or amount or impact; extremely good
166. di_____e bleeding *adj.* spread out widely; not concentrated in one place
167. 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
168. achieve the hi_____ic feat *adj.* famous or significant in history, or potentially so
169. int_____ent Wi-Fi *adj.* occurring at irregular intervals; not continuous or steady; stopping and starting periodically; sporadic
170. re_____le energy *adj.* capable of being renewed, extended, or replaced
171. a_m at a specific target *v.* to try or plan to get or achieve something
172. a ge_____e article *adj.* real and exactly; not pretended; sincerely felt or expressed
173. a fo____l leaf *n.* any preserved remains, impression, or trace of any once-living thing that has become hard and turned into rock
174. as____s the quality *v.* to judge or decide the nature or quality of someone or something
175. under the umbrella of cap_____sm *n.* an economic system based on the private ownership of the means of production and their operation for profit

ANSWERS: 165. tremendous, 166. diffuse, 167. agency, 168. historic, 169. intermittent, 170. renewable, 171. aim, 172. genuine, 173. fossil, 174. assess, 175. capitalism

176. an_____e your real motives *v.* to think about in-depth and evaluate to discover essential features or meaning
177. es_____te a fair value *v.* to guess or calculate the cost, size, value, etc. of something
178. re_____le subscriptions *adj.* capable of being renewed, extended, or replaced
179. an unf_____te situation *adj.* having bad luck or fortune; unlucky
180. chaotic env_____nt *n.* the natural world such as air, water, and land in which humans, animals, and plants live
181. 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
182. ba__s for calculation *n.* the most important facts, ideas, or events from which something is developed; the way how things are organized or arranged
183. ad___t the rearview mirror *v.* to make a minor modification to something to make it more suited for a new set of conditions or to make it function better.
184. common in_____on *n.* the creation of a new device or process resulting from study and experimentation; the act of inventing
185. ex_____e sports *adj.* very great in amount or degree
186. ur_____ze transportation systems *v.* to make an area more urban in character or nature, often through the development and expansion of cities or towns

ANSWERS: 176. analyze, 177. estimate, 178. renewable, 179. unfortunate, 180. environment, 181. decide, 182. basis, 183. adjust, 184. invention, 185. extreme, 186. urbanize

187. advance cap_____sm *n.* an economic system based on the private ownership of the means of production and their operation for profit
188. use of nu_____r power *adj.* of or relating to or constituting the nucleus of an atom; deriving destructive energy from the release of atomic energy
189. sh__e rock *n.* a sedimentary rock formed from the accumulation of fine-grained clay, silt, or mud, often used in construction or as a source of fuel
190. a dry ba_____y *n.* a device that is placed inside a car, gadget, equipment, etc. and that provides electrical power to them
191. 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
192. sta_____cs for cancer *n.* the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data
193. social di_____ce *n.* the amount of space between two points, measured in units such as miles, meters, or kilometers; the extent, scope, or range between two things, such as distance or emotional distance
194. de_____on authority *n.* the act or process of making up someone's mind about something; a choice or judgment reached after considering options

ANSWERS: 187. capitalism, 188. nuclear, 189. shale, 190. battery, 191. miracle, 192. statistics, 193. distance, 194. decision

195. hy__o turbine	<i>n.</i> a prefix denoting water or relating to water, usually used in scientific or technical terminology
196. im_____e a process	<i>v.</i> to make or become better
197. de___e centigrade	<i>n.</i> a unit of measurement for angles, temperature, or level of proficiency or achievement; a rank or level of academic or professional attainment
198. de___y safety measures	<i>v.</i> to move troops or weapons into a position or military action; to bring into something in an effective way
199. nu_____on intake	<i>n.</i> the substances or the process that organisms take into their bodies as food for their growth and health
200. an in___r pool	<i>adj.</i> located, happened, or used inside a building
201. effects of cl_____e change	<i>n.</i> the weather in a particular location averaged over some long period
202. a com_____nt to an alliance	<i>n.</i> a promise or firm decision to do something or to behave in a certain way
203. a_m to be a nurse	<i>v.</i> to try or plan to get or achieve something
204. po_____y alleviation	<i>n.</i> the condition of being extremely poor
205. ma_____e amounts	<i>adj.</i> enormous amount; very heavy and solid
206. sh__e gas	<i>n.</i> a sedimentary rock formed from the accumulation of fine-grained clay, silt, or mud, often used in construction or as a source of fuel

ANSWERS: 195. hydro, 196. improve, 197. degree, 198. deploy, 199. nutrition, 200. indoor, 201. climate, 202. commitment, 203. aim, 204. poverty, 205. massive, 206. shale

207. strong and co_____ed sales staff *adj.* willing to put in a lot of effort, time, and energy into something; firmly believing in something
208. 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
209. 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
210. on an equal ba__s *n.* the most important facts, ideas, or events from which something is developed; the way how things are organized or arranged
211. an unf_____te orphan *adj.* having bad luck or fortune; unlucky
212. majority of his we____h *n.* a large amount of money, property, or other things that someone or an organization owns
213. as____s a tax of 10 pounds *v.* to judge or decide the nature or quality of someone or something
214. di_____ea-related dehydration *n.* a common digestive disorder with the frequent passage of loose, watery stools that can be caused by various factors such as infections, food poisoning, and certain medications

ANSWERS: 207. committed, 208. forecast, 209. economy, 210. basis, 211. unfortunate, 212. wealth, 213. assess, 214. diarrhea

215. a selfish de_____on *n.* the act or process of making up someone's mind about something; a choice or judgment reached after considering options
216. nu_____on condition *n.* the substances or the process that organisms take into their bodies as food for their growth and health
217. equ_____nt amounts *n.* having the same value, quality, meaning, purpose, etc.
218. 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
219. reg_____ss tread *adv.* not paying attention or considering something or someone even if the situation is bad or there are difficulties
220. ru__l accents *adj.* of or relating to the countryside
221. ex___t the data *v.* to send goods or services to another country for sale; to transfer electronic data out of a database or document in a format that other programs can use
222. f__t accomplishment *n.* a notable or impressive achievement, especially one that requires great skill or bravery
223. la_____de of choice *n.* the distance of a place north or south of the earth's equator, measured in degrees; freedom from normal restraints in conduct

ANSWERS: 215. decision, 216. nutrition, 217. equivalent, 218. economy, 219. regardless, 220. rural, 221. export, 222. feat, 223. latitude

224. exam ti_____le *n.* a schedule or plan that shows the times at which particular events or activities are intended to occur; a list of train, bus, or airplane departures and arrivals
225. the rem_____le breadth of knowledge *adj.* worthy of attention because unusual or special
226. the cycle of po_____y *n.* the condition of being extremely poor
227. 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
228. tr____y negotiation *n.* a formal agreement or pact between two or more countries or other international entities
229. dif_____ty in breathing *n.* a condition or state that causes problems
230. an_____e a chemical compound *v.* to think about in-depth and evaluate to discover essential features or meaning
231. driving di_____ce *n.* the amount of space between two points, measured in units such as miles, meters, or kilometers; the extent, scope, or range between two things, such as distance or emotional distance
232. el_____fy the audience *v.* to make a machine or system work by using electricity; to make someone extremely enthusiastic about or interested in something

ANSWERS: 224. timetable, 225. remarkable, 226. poverty, 227. agency, 228. treaty, 229. difficulty, 230. analyze, 231. distance, 232. electrify

233. gi_____n-class bomb *n.* a unit of explosive energy equal to one billion tons of TNT (= a powerful, yellow explosive substance); one billion tons
234. ind_____us worker *adj.* hardworking, diligent, and persistent in effort
235. ent_____ent in conflict *n.* involvement in a complicated or difficult situation; a tangled mass
236. economic pro_____ty *n.* the state of being successful and having the good fortune
237. a su_____y for research *n.* money paid by a government or an organization as part of the cost of something to aid or encourage it to happen
238. the yi__d on the bond *n.* the total output of crops, profits, etc. that are produced; (verb) to produce or supply helpful something, such as a profit, an amount of food, or information
239. 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
240. em____y job seekers *v.* to give somebody a job and pay them for it; to make use of
241. int_____ent fever *adj.* occurring at irregular intervals; not continuous or steady; stopping and starting periodically; sporadic
242. re__t at a high temperature *v.* to take action in response to something

ANSWERS: 233. gigaton, 234. industrious, 235. entanglement, 236. prosperity, 237. subsidy, 238. yield, 239. develop, 240. employ, 241. intermittent, 242. react

ANSWERS:

Session 3: Fill in the Blanks

1. You have to _____ your content to the age of the audience.
 - v. to make a minor modification to something to make it more suited for a new set of conditions or to make it function better.

2. The airline's _____ showed a delay of three hours for our flight to London.
 - n. a schedule or plan that shows the times at which particular events or activities are intended to occur; a list of train, bus, or airplane departures and arrivals

3. The _____ scarcity most severely impacted the manufacturing sector
 - n. a substance that is typically burned to generate heat or energy

4. The regulations _____ medical malpractice claims are rigorous.
 - v. to legally control and direct a country, city, group of people, etc. and be responsible for introducing new laws, organizing and maintaining public services

5. Could you help me _____ some furniture?
 - n. a slight transition in position, direction, or trend

6. She received her _____ in psychology from the university.
 - n. a unit of measurement for angles, temperature, or level of proficiency or achievement; a rank or level of academic or professional attainment

7. The _____ election is causing a lot of tension and uncertainty.
 - adj. likely to happen or be available soon

8. He was known to be very _____ and would often work late into the night.
 - adj. hardworking, diligent, and persistent in effort

ANSWERS: 1. adjust, 2. timetable, 3. fuel, 4. governing, 5. shift, 6. degree, 7. forthcoming, 8. industrious

9. The engine did not start because the _____ was flat.
- n.* a device that is placed inside a car, gadget, equipment, etc. and that provides electrical power to them
10. The earthquake that hit the Pacific Ocean last night is said to have released about 30 _____ of energy.
- n.* a unit of explosive energy equal to one billion tons of TNT (= a powerful, yellow explosive substance); one billion tons
11. 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
12. He has _____ exercising because of a back injury sustained in an accident.
- n.* a condition or state that causes problems
13. The country _____ a large amount of agricultural products.
- v.* to send goods or services to another country for sale; to transfer electronic data out of a database or document in a format that other programs can use
14. When making arrests, police officers frequently _____ excessive force.
- v.* to give somebody a job and pay them for it; to make use of
15. The _____ of the device was immediately apparent to all who saw it.
- n.* the state or quality of being useful or convenient; the service, such as electric power or water or transportation, provided by a public
16. 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

ANSWERS: 9. battery, 10. gigatons, 11. environment, 12. difficulty, 13. exports, 14. employ, 15. utility, 16. atmosphere

17. The marathon runner covered a long _____ in a short amount of time.
- n.* the amount of space between two points, measured in units such as miles, meters, or kilometers; the extent, scope, or range between two things, such as distance or emotional distance
18. The government promised to _____ a new system to control the financial crisis.
- v.* to put a decision, plan, or system into effect
19. Ocean _____ leads to a decrease in tiny sea snails.
- n.* the act or process of becoming acid or making something become acid
20. The company has a diverse workforce representing different _____ and backgrounds.
- n.* the cultural characteristics of a particular group, such as language, religion, and traditions, that distinguish them from other groups
21. _____ is also necessary to understand history.
- n.* the ability to share another person's feelings or experiences by imagining that person's situation
22. The product developed through years of research continues to _____ the market.
- v.* to make a machine or system work by using electricity; to make someone extremely enthusiastic about or interested in something
23. Direct lighting is preferable to _____ lighting when reading.
- adj.* spread out widely; not concentrated in one place
24. 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

ANSWERS: 17. distance, 18. implement, 19. acidification, 20. ethnicity, 21. Empathy, 22. electrify, 23. diffuse, 24. communicate

25. This food contains all the _____ your dog requires.
- n.* the substances or the process that organisms take into their bodies as food for their growth and health
26. Mercury is the closest _____ to the sun.
- n.* any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star
27. The doctor diagnosed him with a rare _____ that had no known cure.
- n.* a disorder or illness that affects the body or mind, often characterized by specific symptoms or abnormal functioning of organs or systems
28. Life expectancy has grown _____ this century.
- adv.* in a very impressive manner
29. The recent economic downturn has resulted in _____ layoffs.
- adj.* enormous amount; very heavy and solid
30. Countries whose goal is economic development often focus on fostering an entrepreneurial _____ in each individual.
- n.* the established set of attitudes or fixed ideas held by someone
31. 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
32. How can you _____ that the earth is a sphere?
- v.* to display something or give an exhibition to an interested audience

ANSWERS: 25. nutrition, 26. planet, 27. disease, 28. dramatically, 29. massive, 30. mindset, 31. develop, 32. demonstrate

33. In several countries, child _____ is a serious social problem.

- n.* productive work, especially physical work done for wages; the people who do manual or physical work in a country or company for wage; (verb) to work hard or to strive and make an effort to reach a goal

34. The people are _____ to tax.

- adj.* having legal responsibility for something or someone

35. The city is located at a _____ of 40 degrees north.

- n.* the distance of a place north or south of the earth's equator, measured in degrees; freedom from normal restraints in conduct

36. The village was excited about the _____ of their community, which would bring light to their homes.

- n.* the process of installing electrical equipment or infrastructure, especially in a place that previously only had non-electrical equipment or infrastructure; the act of supplying electrical energy to an object or system, causing it to become electrically charged;

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

- v.* to make or become better

38. Is this painting _____ or forged?

- adj.* real and exactly; not pretended; sincerely felt or expressed

39. This country _____ its weapons in the east region.

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

40. The _____ plant generates electricity by harnessing the power of water.

- n.* a prefix denoting water or relating to water, usually used in scientific or technical terminology

ANSWERS: 33. labor, 34. liable, 35. latitude, 36. electrification, 37. improve, 38. genuine, 39. deployed, 40. hydro

41. Trees absorb _____ dioxide and give off oxygen.
n. a chemical element that can be found in pure form as diamond or graphite, and it is also an essential part of coal and oil and is found in all plants and animals
42. This war shattered dreams of peace and _____.
n. the state of being successful and having the good fortune
43. The investigation _____ several government agencies and is expected to take several months.
v. to include or affect someone or something as a necessary part of something else
44. The _____ inequality was unavoidable.
n. a large amount of money, property, or other things that someone or an organization owns
45. I need to _____ my car regularly to prevent any major mechanical issues.
v. to continue to uphold or sustain; to keep in a particular state or condition; to assert or declare something to be true
46. Necessity is the mother of _____.
n. the creation of a new device or process resulting from study and experimentation; the act of inventing
47. _____ and weather have an impact on every part of our lifestyles.
n. the weather in a particular location averaged over some long period
48. The _____ into the new market was risky, but it paid off.
n. a business project or activity that is risky or daring

ANSWERS: 41. carbon, 42. prosperity, 43. involves, 44. wealth, 45. maintain, 46. invention, 47. Climate, 48. venture

49. There is nothing more valuable than _____ and freedom.
n. freedom from another's or others' control or influence
50. He cannot _____ a holiday.
v. to have enough money or time to be able to buy or do something
51. Table tennis is an _____ sport.
adj. located, happened, or used inside a building
52. Solar gravity creates _____ pressures and temperatures.
adj. very great in amount or degree
53. The _____ given to the new government is to improve the economy.
n. an official or authoritative instruction or command; a commission or authority to carry out a particular task
54. It is an incredible _____ to climb Mount Everest, the highest mountain in the world.
n. a notable or impressive achievement, especially one that requires great skill or bravery
55. The energy company plans to _____ the shale deposit to extract natural gas.
v. to inject water and chemicals into the ground at high pressure to fracture the rock and release the gas or oil, especially to extract them
56. The Chinese people have accomplished several _____ feats.
adj. famous or significant in history, or potentially so
57. 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

ANSWERS: 49. independence, 50. afford, 51. indoor, 52. extreme, 53. mandate, 54. feat, 55. frack, 56. historic, 57. nation

58. The company's new software is highly _____ allowing it to handle increasing number of users.

adj. capable of being easily expanded or increased in size, number, or scale to meet changing demands

59. The _____ is endangering the local plants and animals.

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

60. A _____ audience viewed the broadcast.

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

61. The teacher attempted to _____ the root cause of our mistake.

v. to think about in-depth and evaluate to discover essential features or meaning

62. She was struggling to make a _____ between two job offers.

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

63. How did he _____ to your idea?

v. to take action in response to something

64. The two countries signed a _____ to establish peaceful relations.

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

65. Our company is strongly _____ to meeting customers' needs.

adj. willing to put in a lot of effort, time, and energy into something; firmly believing in something

ANSWERS: 58. scalable, 59. pollution, 60. vast, 61. analyze, 62. decision, 63. react, 64. treaty, 65. committed

66. There are five distinct _____ at five unique wavelengths.
n. the act of production or sending out gas, heat, light, etc.
67. The election was a _____ success for the Whigs.
adj. worthy of attention because unusual or special
68. His business _____ took him to the United States.
n. a promise or firm decision to do something or to behave in a certain way
69. His friend's death drove him to _____.
n. the feeling that there is no hope and you cannot do anything to improve a difficult situation
70. The chairperson _____ him the right to speak.
v. to agree to give or allow somebody
71. He tried to _____ his rival by breaking the world record.
v. to do better than someone; to surpass
72. Many studies have investigated the relationship between _____ and academic achievement.
n. the condition of being extremely poor
73. I received a parcel of great _____.
n. the quantity or size of something that is very large; the main part of something
74. Several hectares of land are needed to generate more than 1-mega_____ solar power.
n. a standard unit for measuring electrical power

ANSWERS: 66. emissions, 67. remarkable, 68. commitments, 69. despair, 70. granted, 71. outdo, 72. poverty, 73. bulk, 74. watt

75. He has shown signs of uneasiness and _____ worry.

adj. very great or intense; so powerful that you cannot fight or react against it

76. Many countries have now agreed to a treaty banning the use of _____ weapons.

adj. of or relating to or constituting the nucleus of an atom; deriving destructive energy from the release of atomic energy

77. The brain is an incredibly complex organ that controls the body's _____.

n. the purpose or use of an object, system, or process; a particular activity or operation that is designed to serve a specific purpose; a mathematical concept that describes a relationship between two sets of values, called the input and output sets; (verb) to operate or work in a specific way, or to perform a particular task or purpose

78. The _____ accident caused many injuries and some fatalities.

adj. having bad luck or fortune; unlucky

79. The geologist studied the _____ layers in the rock formations to determine their age.

n. a sedimentary rock formed from the accumulation of fine-grained clay, silt, or mud, often used in construction or as a source of fuel

80. Our company needs to _____ the business impact of climate change.

v. to judge or decide the nature or quality of someone or something

81. The _____ academy was known for its strict discipline and training.

adj. relating to or characteristic of members of the armed forces; of or relating to war or warfare

ANSWERS: 75. overwhelming, 76. nuclear, 77. function, 78. unfortunate, 79. shale, 80. assess, 81. military

82. The government plans to _____ the rural area by building more housing units and improving transportation infrastructure.
- v. to make an area more urban in character or nature, often through the development and expansion of cities or towns
83. We replaced _____ equipment to improve factory productivity.
- adj. no longer useful or valid because of being old-fashioned
84. We _____ the season's total trade deficit at \$50 billion.
- v. to guess or calculate the cost, size, value, etc. of something
85. The _____ rain made it difficult to plan a picnic.
- adj. occurring at irregular intervals; not continuous or steady; stopping and starting periodically; sporadic
86. Male gorillas with good drumming skills are more _____.
- adj. capable of being done as intended; able to succeed
87. She _____ her parents to let her go to the concert.
- v. to ask for something urgently or earnestly; to appeal to someone to do something
88. 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
89. 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

ANSWERS: 82. urbanize, 83. outdated, 84. estimated, 85. intermittent, 86. viable, 87. begged, 88. decide, 89. agency

90. The patient underwent a _____ scan to diagnose their medical condition.
n. the branch of medicine that uses medical imaging technologies such as X-rays, CT scans, MRIs, and ultrasound to diagnose and treat diseases and injuries
91. We would _____ an early reply.
v. to value and acknowledge the worth of someone or something; to be grateful for something or someone
92. It was the _____ of a dinosaur tooth.
n. any preserved remains, impression, or trace of any once-living thing that has become hard and turned into rock
93. This evidence will form the _____ for our discussion.
n. the most important facts, ideas, or events from which something is developed; the way how things are organized or arranged
94. We had a _____ time yesterday.
adj. very great in degree or extent or amount or impact; extremely good
95. The founding fathers fought for the _____ of the American people.
n. the state of being free within society from oppressive restrictions imposed by authority on one's way of life, behavior, or political views
96. 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
97. She purchased a ____ and a sickle for a backyard vegetable garden.
n. a garden tool with a flat blade attached at right angles to a long handle

ANSWERS: 90. radiology, 91. appreciate, 92. fossil, 93. basis, 94. tremendous, 95. liberty, 96. forecasts, 97. hoe

98. Cities around the world set records for highest _____ this summer.
n. the degree of hotness or coldness of a thing or place
99. The government provided a considerable _____ to the company.
n. money paid by a government or an organization as part of the cost of something to aid or encourage it to happen
100. The _____ of the earthquake was measured at 7.8 on the Richter scale.
n. the extent, level, importance, or amount of something
101. We combust _____ and other fossil fuels to generate electricity.
n. a combustible black or brownish-black sedimentary rock that is found below the ground and burnt to produce heat
102. The _____ water in the pond is a breeding ground for mosquitoes.
adj. not flowing or circulating; standing still; stagnant water
103. My mother taught me how to _____.
v. to join, fasten, or repair two pieces of something by putting the thread through them with a needle
104. Jockey's superior _____ brought him victory.
n. a particular way or art of doing something that needs skill
105. The _____ of the fishing net was making it difficult for the whales to swim.
n. involvement in a complicated or difficult situation; a tangled mass
106. I need to _____ the additional information to the end of the report before submitting it.
v. to add or attach something, especially supplementary or additional information or material, to the end or after something else; to include or incorporate as an addition or enhancement

ANSWERS: 98. temperatures, 99. subsidy, 100. magnitude, 101. coal, 102. stagnant, 103. sew, 104. technique, 105. entanglement, 106. append

107. The company's stock gives a high _____.

- n.* the total output of crops, profits, etc. that are produced; (verb) to produce or supply helpful something, such as a profit, an amount of food, or information

108. The club _____ does not have absolute power.

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

109. I had a terrible case of _____ and couldn't stop going to the bathroom.

- n.* a common digestive disorder with the frequent passage of loose, watery stools that can be caused by various factors such as infections, food poisoning, and certain medications

110. The _____ demonstrate that poverty and unemployment are genuine problems.

- n.* the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data

111. We ___ for an overseas expansion.

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

112. _____ also guarantees intellectual property rights and thus promotes innovation.

- n.* an economic system based on the private ownership of the means of production and their operation for profit

113. Doctors are gradually coming around to the idea of using _____ medicines.

- n.* one of two or more available possibilities or choice

ANSWERS: 107. yield, 108. president, 109. diarrhea, 110. statistics, 111. aim, 112. Capitalism, 113. alternative

114. 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

115. The European Central Bank is Europe's _____ of the Federal Reserve.

n. having the same value, quality, meaning, purpose, etc.

116. He was the leader of the demonstrators and spoke out against the war in the front _____.

n. an arrangement of objects or people side by side in a line; (verb) to propel a boat through the water using oars

117. The production of _____ fuels requires massive volumes of fresh water.

adj. capable of being renewed, extended, or replaced

118. 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

119. The statement had a _____ impact on house prices.

adj. very sudden, very excellent, or full of action and excitement

120. People can pick out superior products _____ of the quality of the advertising.

adv. not paying attention or considering something or someone even if the situation is bad or there are difficulties

121. Many _____ areas are still impoverished.

adj. of or relating to the countryside

ANSWERS: 114. miracle, 115. equivalent, 116. row, 117. renewable, 118. economy, 119. dramatic, 120. regardless, 121. rural

ANSWERS: