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Vocabulary Builder Reference from...

Jill Farrant: How we can make crops survive without water | TED Talk

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

All Words

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Session 1: Word List

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.

tolerant

adj. accepting different views, beliefs, or practices without judgment or interference

synonym : forgiving, lenient, permissive

(1) a **tolerant** teacher, (2) **tolerant** of his failure

She was known for her **tolerant** attitude toward different cultures.

crop

n. a plant that is cultivated in large amounts, particularly for food

synonym : output, produce, product

(1) **crop** field, (2) **crop** herbicide

Sow early for an early **crop**.

resurrection

n. the act of being brought back to life or revived, especially after a period of death or dormancy; a rebirth

or renewal of something that was thought to be lost or forgotten

synonym: resurgence, revival, rebirth

(1) **resurrection** story, (2) political **resurrection**

The idea of **resurrection** is central to many religious beliefs.

resurrect

v. to bring back to life or bring into existence again

synonym: revive, bring back, bring to life

(1) **resurrect** the dead, (2) **resurrect** an argument

They tried to **resurrect** the ancient tradition.

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.

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**.

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.

chain

n. a series of connected links or objects; a system or group of interconnected elements; a restraint or shackle

synonym: series, string, link

(1) **chain** reaction, (2) supply **chain**

The **chain** on my bike broke, leaving me stranded.

percentage

n. the number, amount, or rate of something, which is usually the amount per hundred

synonym : rate, ratio, portion

(1) the **percentage** of the gold content, (2) a high

percentage

What is the **percentage** of the consumption tax in the United States?

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.

arid

adj. lacking in moisture or rainfall; dry and barren; lacking in interest, life, or vitality

synonym : dry, parched, barren

(1) **arid** terrain, (2) semi- **arid** zone

The desert is known for its **arid** climate and lack of rainfall.

infrequent

adj. occurring rarely or irregularly; happening at long intervals; not happening often or in large numbers

synonym : rare, sporadic, uncommon

(1) **infrequent** showers, (2) **infrequent** meetings

Traveling to remote villages can be difficult due to **infrequent** transportation.

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**.

predict

v. to state beforehand that something will happen in the future, mainly based on knowledge or experience

synonym : forecast, anticipate, foresee

(1) **predict** the future, (2) **predict** when she will arrive
It's notoriously challenging to **predict** birth rates.

preferable

adj. more desirable or suitable than another option; more favored or favored over something else; better or more advantageous

synonym: desirable, preferred, better

(1) **preferable** option, (2) **preferable** solution

For most people, living in a quiet suburb is **preferable** to living in a busy city.

rainfed

adj. referring to agricultural practices or crops that rely solely on rainfall for moisture and do not utilize additional irrigation methods, which are dependent on the natural precipitation in a region and can be subject to variations in rainfall patterns and drought conditions

synonym: dryland, unirrigated

(1) **rainfed** agriculture, (2) **rainfed** regions

Rainfed crops rely solely on rainfall for their water supply rather than irrigation systems.

essential

adj. indispensable; fundamental

synonym: critical, crucial, basic

(1) **essential** amino acid, (2) **essential** commodities of life

Trial and error is an **essential** part of education.

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.

metabolism

n. the set of chemical reactions in cells or organisms that are necessary for life-sustaining

(1) **metabolism** enzyme, (2) hemoglobin **metabolism**

Better sleep leads to increased **metabolism**.

microbe

n. a tiny living thing that can only be seen with a microscope and that may cause disease

synonym : germ, microorganism, bacterium

(1) pathogenic **microbe**, (2) **microbes** sterilizer

Microbes thrive on the surface of the human skin.

comprise

v. to include or consist of something; the act of making up or forming something

synonym : consist of, include, be composed of

(1) **comprise** a large percentage, (2) **comprise** the recent past

The team **comprises** players from different countries.

predominate

v. to be the most powerful, important, or frequent; to be more common or prevalent than others

synonym : reign, prevail, rule

(1) **predominate** in the army, (2) **predominate** religion

In this particular field, his work **predominated** over all others.

reaction

n. a response that reveals a person's feelings or attitude; (in chemistry) a process in which one or more substances are changed into others

synonym : response, reply, answer

(1) chemical **reaction**, (2) trigger a **reaction**

There was a chemical **reaction** of the lime with the groundwater.

stick

v. to put something, usually a sharp object, into something; to restrict yourself to doing or using one certain thing and not change; (noun) a thin piece of wood or other material

synonym : pierce, adhere, stay

(1) **stick** a key in a lock, (2) fire **stick**

You **stick** a bill in the change machine, and the coins pop out.

instance

n. a particular example or single occurrence of something
synonym: example, sample, illustration

(1) for **instance**, (2) notable **instance**

These articles cite five **instances** of climate change.

resist

v. to refuse to accept something and attempt to prevent it from happening

synonym: fight, defy, revolt

(1) **resist** temptation, (2) **resist** being kissed

I chose to **resist** cancer by trying every possible treatment.

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.

succulent

adj. having thick and fleshy leaves or stems that can store water, typically used to describe plants in arid environments; (noun) a type of plant that has thick, fleshy leaves or stems that are capable of storing water

synonym: juicy, fleshy, moist

(1) **succulent** plant, (2) potted **succulent**

The tropical island is known for its **succulent** seafood dishes featuring fresh fish, lobster, and shrimp.

attractive

adj. immensely appealing in look or sound; having characteristics or qualities that make something appealing and valuable

synonym: beautiful, fetching, alluring

(1) **attractive** men, (2) **attractive** opportunity

The growth of the "sharing economy" is **attractive** for tech companies.

shrub

n. a woody plant that is smaller than a tree and has several main stems emerging from the soil

synonym: bush, hedge, fern

(1) tree and **shrubs**, (2) small **shrub**

These are **shrubs** with no trunks that rarely grow taller than 3 meters.

subterranean

adj. under the ground

synonym : underground, belowground, subsurface

(1) **subterranean** rooms, (2) **subterranean** motives for murder

Such **subterranean** passages span kilometers in London.

flush

v. to become red on your face, especially because you are embarrassed, angry, or hot; to rinse, clean, or empty something, especially a toilet, by causing large quantities of water to flow

synonym : redden, burn, suffuse

(1) the blood **flush** into my face, (2) **flush** the toilet

The girl **flushed** when a young man whistled as she walked by.

hydrate

v. to add water or moisture to something; to drink enough fluids to maintain proper moisture; (noun) any compound that contains water of crystallization

synonym : moisturize, water, rehydrate

(1) **hydrate** my skin, (2) acid **hydrate**

She drank water to **hydrate** her body.

baobab

n. a type of African tree with a large, bulbous trunk and sparse branches that often looks upside-down; also known as the "tree of life" due to its ability to store water during droughts

synonym : monkey bread tree, cream of tartar tree, bottle tree

(1) **baobab** pulp, (2) ancient **baobab**

The **baobab** tree can grow over 60 feet tall and live for thousands of years.

upside

n. the positive aspect or potential of something; the upper side of something

synonym : advantage, benefit, top

(1) have no **upside**, (2) market **upside**

Many people see the **upside** of traveling as an opportunity to experience new cultures and broaden their horizons.

proportion

n. a part, share, or amount of something considered in comparative relation to a whole

synonym: ratio, balance, consonance

(1) direct **proportion**, (2) a building of vast **proportions**

He is more concerned about the **proportion** of his body fat than usual because of an upcoming bodybuilding competition.

strategy

n. a detailed plan of action designed to achieve a long-term or overall goal.

synonym: approach, procedure, scenario

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

Our plan includes a comprehensive marketing **strategy**.

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.

desert

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

(1) **desert** basin, (2) oasis in the **desert**

This region is predominantly **desert**.

desiccate

v. to remove moisture and liquids from something thoroughly

synonym: dehydrate, dry up, exsiccate

(1) **desiccate** food, (2) **desiccated** milk

The bricks were **desiccated** by the hot air completely.

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**.

prolong

v. to extend the duration or length of something, particularly a period of time or an event

synonym: extend, lengthen, stretch

(1) **prolong** the agony, (2) measures to **prolong** the lifespan

We need to **prolong** the meeting for another hour to discuss all the issues.

germinate

v. to begin to grow or develop, typically as a seed sprouts

synonym: sprout, grow, develop

(1) days to **germinate**, (2) **germinate** the idea

The seeds **germinated** quickly in the warm soil.

evolution

n. a gradual process of transformation of living things

synonym: elaboration, expansion, transition

(1) human **evolution**, (2) **evolution** theory

They study the **evolution** of the universe.

colonize

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

synonym: settle, occupy, inhabit

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

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

radiation

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

synonym: dissemination, emission, irradiation

(1) exposure to **radiation**, (2) electromagnetic **radiation**
He tried every possible treatment, including chemotherapy and **radiation** therapy.

angiosperm

n. a type of flowering plant that produces seeds enclosed within a protective structure, such as a fruit or seed pod, which comprises the largest group of plants in the plant kingdom, and they include most of the familiar plants found in gardens, forests, and fields

synonym : flowering plant

(1) **angiosperm** reproduction, (2) **angiosperm** classification
Scientists are studying the **angiosperm** reproduction process to understand how these plants produce seeds within enclosed ovaries.

wheat

n. a cereal plant that is the most important kind grown in temperate countries, the grain of which is ground to make flour for bread, pasta, pastry, etc

synonym : grain, cereal

(1) harvesting **wheat**, (2) **wheat** crop

The farmer grew **wheat** on his land.

maize

n. a cereal grain that is native to the Americas and cultivated in wide varieties for its large, yellow, edible seed and as a feed for livestock

synonym : corn

(1) **maize** meal, (2) genetically altered **maize**

The farmers grew a large **maize** crop this year and expected a good harvest.

seed

n. a small, hard, often round, a reproductive structure that contains a plant's genetic material and is capable of growing into a new plant

synonym : germ, kernel, ovule

(1) a **seed** coat, (2) **seed** money

He planted the **seed** in the soil and waited for it to sprout.

calorie

n. unit of heat defined as the quantity of heat required to raise the temperature of 1 gram of water by 1 degree Celsius at atmospheric pressure, used by nutritionists to measure how much energy food will produce

(1) **calorie** calculation, (2) reduce my **calorie** intake

It would be best if you burned off **calories** through vigorous exercise.

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.

downside

n. the negative aspects or consequences of something; the potential for loss or failure

synonym : drawback, negative, disadvantage

(1) major **downside**, (2) **downside** of globalization

The **downside** of the new policy was that it would be more expensive for customers.

vegetative

adj. composed of or relating to the division of nature comprising the plant; alive but losing brain functioning and having only involuntary bodily functioning

synonym : herbal, monotonous

(1) a dull **vegetative** lifestyle, (2) the **vegetative** world

He was in what was described as a **vegetative** state.

tissue

n. an ensemble of similar cells of the animal or plant that together carry out a specific function

synonym : structure, texture, anatomy

(1) a facial **tissue**, (2) loss of muscle **tissue**

The researcher separated the nervous **tissue** for microscopic examinations.

inherent

adj. existing in something as a permanent, essential, or characteristic attribute

synonym : intrinsic, natural, innate

(1) **inherent** risk, (2) have an **inherent** dislike

Honesty is an **inherent** quality that everyone should strive to possess.

resistance

n. the act of defending oneself from an aggressor or refusing to accept something

synonym : opposition, antagonism, defiance

(1) **resistance** movement, (2) **resistance** to insulin

The bill to increase the consumption tax had passed despite much **resistance** from the public.

tolerance

n. the willingness to accept or tolerate something, especially something that is different or unpleasant

synonym : acceptance, patience, forbearance

(1) religious **tolerance**, (2) **tolerance** for risk

The school's diversity program aimed to promote **tolerance** and understanding among the students.

characteristic

n. a typical feature or quality that can identify, tell apart, or describe something or somebody

synonym : feature, quality, attribute

(1) stripes **characteristic** of the zebra, (2) my friend's **characteristic** laugh

Bananas have their **characteristic** taste and odor.

survive

v. to live or exist despite a dangerous event or period

synonym : endure, persist, stay

(1) **survive** a blizzard, (2) **survive** a plane crash

These birds can only **survive** in temperate climates.

concerted

adj. involving the joint activity of more than one person, government, country, etc.

synonym : coordinated, planned, united

(1) **concerted** effort, (2) apply **concerted** pressure
The NGO launched a **concerted** campaign to raise awareness about the issue.

improvisation

n. the act of making something up on the spot or creating or performing something without preparation
synonym: spontaneity, ad-lib, extemporization

(1) **improvisation** on stage, (2) jazz **improvisation**
He created a beautiful piece of music using only **improvisation**.

cellular

adj. of or connected with the cells of animals or plants; of or connected with a mobile telephone system that uses several short-range radio stations instead of wires
synonym: organic, biological, nuclear

(1) **cellular** and molecular biology, (2) a **cellular** phone handset

This factory employs a **cellular** manufacturing system.

withstand

v. to resist the effect or impact of something
synonym: endure, bear, resist

(1) **withstand** pressure, (2) **withstand** temptation

The new phone is waterproof and can **withstand** being dropped in water.

phenomenon

n. something that exists and can be perceptible, especially one that is not fully understood
synonym: marvel, wonder, splendor

(1) natural **phenomenon**, (2) historical **phenomenon**

A rainbow is a natural **phenomenon**.

process

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

synonym: procedure, method, system

(1) **process** improvement, (2) decision-making **process**
The **process** for applying for a visa can be lengthy and complicated.

axis

n. a real or imaginary straight line through a body or figure around which the object turns; a group of countries in special alliance

synonym: central, core, pole

(1) vertical **axis**, (2) a coordinate **axis**

The earth's **axis** of rotation is tilted 66.5 degrees to the ecliptic plane.

amazing

adj. extremely surprising, especially in a way that you like or admire

synonym: exceptional, extraordinary, wonderful

(1) **amazing** advances, (2) the most **amazing** feeling

The golfer recorded an **amazing** distance.

relative

adj. considered and evaluated through comparison with something else

synonym: comparative, proximate, congeneric

(1) a remote **relative**, (2) **relative** factors

Most countries prohibit sexual activity between certain close **relatives**.

staple

adj. essential, crucial, or regularly used

synonym: essential, fundamental, pivotal

(1) **staple** commodities, (2) **staple** crop

Rice and beans are a **staple** food in many cultures.

gluten

n. a protein found in wheat, barley, and rye that is responsible for the elastic texture of the dough

synonym: wheat protein, wheat starch

(1) **gluten-free** diets, (2) **gluten** intolerance

Many people with celiac disease must avoid **gluten** in their diet.

initially

adv. at the beginning; at first

synonym : originally, primarily, firstly

(1) **initially** anticipated, (2) diagnosed **initially** as a tumor
This train departed later than **initially** scheduled.

mechanism

n. a part of a machine, or a set of parts that performs a task; a natural or established process that occurs during a specific situation or reaction

synonym : means, method, system

(1) the **mechanism** for DNA replication, (2) defense **mechanism**

He discovered unique **mechanisms** for photochemical reactions.

undertake

v. to do or begin to do something, such as an enterprise or responsibility

synonym : assume, take on, embark

(1) **undertake** an enterprise, (2) **undertake** routine duties
Young people in this country should **undertake** military duties.

biology

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

(1) evolutionary **biology**, (2) cell and molecular **biology**
In junior high school, we had to dissect a frog in **biology** class.

comprehensive

adj. complete and including all or everything necessary

synonym : complete, encyclopedic, thorough

(1) a **comprehensive** explanation, (2) conduct a **comprehensive** survey

We have a **comprehensive** grasp of this topic.

molecular

adj. of or relating to molecules (= a group of two or more atoms held together by attractive forces known as chemical bonds)

synonym : microscopic, atomic

(1) **molecular** structure, (2) **molecular** biology
Molecular weight is the sum of all the atoms.

physiological

adj. relating to the normal functioning of living organisms and their organs and systems; concerning the physical or biochemical processes and activities that occur within the body

synonym : biological, organic, bodily

(1) **physiological** response, (2) **physiological** activity
The doctor explained the various **physiological** changes that occur during pregnancy.

anatomy

n. the scientific study that deals with the physical structure of humans, animals, or plants

(1) animal **anatomy**, (2) **anatomy** of a country's collapse
The professor explained the **anatomy** of the nervous system.

structure

n. the way of construction of something and the arrangement of its parts, or a complex thing constructed of many parts

synonym : construction, architecture, establishment

(1) the **structure** of a machine, (2) **structure** and function of the brain
The organizational **structure** of start-ups is often flat and straightforward.

transcriptome

n. the complete set of messenger RNA (mRNA) molecules present within a cell or tissue at a specific time, which represents the collection of genes that are actively being transcribed

synonym : gene expression pattern

(1) **transcriptome** analysis, (2) **transcriptome** sequencing
The researchers examined the **transcriptome** of cancer cells to identify genes associated with the disease.

protein

n. a molecule made up of a long chain of amino acids, which is essential for the structure and function of the

body's tissues

(1) stress **protein**, (2) **protein** synthesis

The body needs a certain amount of **protein** to build and repair tissues.

proteome

n. the entire complement of proteins that can be expressed by a genome, cell, tissue, or organism, including all of its functional forms and modifications

(1) bacterial **proteome**, (2) **proteome** database

Scientists are studying the human **proteome** to understand better how proteins work in the body.

enzyme

n. a substance produced by a living organism that acts as a catalyst to bring about a specific biochemical reaction

synonym: catalyst, activator, accelerator

(1) **enzyme** reaction, (2) lack of digestive **enzymes**

A deficiency in the **enzyme** can lead to a medical condition.

metabolite

n. a substance produced by metabolic processes in living organisms, especially those that are essential for normal physiological functions

synonym: intermediate

(1) **metabolite** concentration, (2) drug **metabolite**

The liver **metabolite** levels were higher than usual.

metabolome

n. the complete set of small molecules, such as metabolites, found within a cell, tissue, or organism at a specific time, which represents the metabolic status and activity of a biological system

synonym: metabolic fingerprint

(1) lipid **metabolome**, (2) analyze the **metabolome**

The study aimed to analyze the changes in the **metabolome** of cancer cells.

chemical

adj. relating to or connected with chemistry;

synonym: chemic, synthetic

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

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

arsenal

n. a collection of weapons or military equipment stored in preparation for war or conflict; a collection of resources or tools available for use in a particular field or endeavor

synonym: storage, stockpile, armory

(1) **arsenal** of knowledge, (2) political **arsenal**

The police found a hidden **arsenal** of weapons in the suspect's house.

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.

lipid

n. any of a group of organic compounds, including fats, oils, and waxes, that are insoluble in water but soluble in organic solvents and are essential constituents of living cells

synonym: fat, oil, phospholipid

(1) **lipid** metabolism, (2) blood **lipid** profile

Omega-3 fatty acids, found in foods like fish and nuts, are a type of **lipid** that is good for heart health.

membrane

n. a soft, thin layer that forms animal or vegetable tissue

synonym: tissue layer

(1) cell **membranes**, (2) nuclear **membrane**

Loud noises might harm the fragile ear **membrane**.

biochemical

adj. relating to the chemical processes and substances that occur within living organisms

synonym: molecular, biological

(1) **biochemical** reaction, (2) complex **biochemical**

Biochemical research is essential to understanding the complex chemical reactions in living organisms.

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**.

discovery

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

synonym : finding, uncovering, detection

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

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

philosophy

n. the study of general and fundamental questions, such as those about existence, reason, knowledge, values, mind

synonym : doctrine, attitude, creed

(1) **philosophy** of education, (2) western **philosophy**

Ethics is a branch of **philosophy**.

genetically

adv. in a way that relates to or is produced by genes (= the units in the cells of a living thing received by an animal or plant from its parents) or heredity

synonym : hereditary, inherited, family-related

(1) **genetically** inherited traits, (2) **genetically** manipulated plant

The **genetically** modified crops were resistant to pests and required less water.

modify

v. to change something slightly, such as a plan, option, law, etc., especially to make it more suitable for a particular purpose

synonym : adjust, alter, revise

(1) genetically **modify** food, (2) **modify** my behavior

We use adverbs to **modify** verbs and adjectives.

definition

n. a concise explanation of the meaning of a word, phrase, or symbol

synonym : description, connotation, meaning

(1) a precise **definition**, (2) the **definition** of a word

Parallel lines are, by **definition**, lines on the same plane that never cross.

genetic

adj. of or relating to genes (= parts of the DNA in cells) or the science of genes

synonym : hereditary, genetical, inborn

(1) have **genetic** testing, (2) a **genetic** disorder

Understanding protein folding is a vital step in deciphering the **genetic** code.

modification

n. the act of changing something, usually to improve it, or something changed

synonym : change, amendment, alteration

(1) a **modification** of last year's model, (2) further **modification**

As a result of this **modification**, we have revised our safety measures.

ancestor

n. a person from whom one is descended; a forefather

synonym : forebear, forefather, progenitor

(1) **ancestor** language, (2) earliest human **ancestor**

My remote **ancestor** immigrated to the United States from Ireland in the 1800s.

conventional

adj. based on or following traditional rules, standards, customs, etc.

synonym : ancestral, customary, established

(1) a **conventional** style, (2) get a **conventional** loan

She is very **conventional** in her thoughts.

breed

v. to keep animals for producing offspring in a regulated manner

synonym : raise, multiply, reproduce

(1) **breed** horses, (2) **breed** suspicion

This animal **breeds** in northern latitudes.

essence

n. the basic or most important part or quality of something that makes it what it is

synonym : core, nature, disposition

(1) vanilla **essence**, (2) universal **essence**

University teaches the art of understanding the **essence** of the matter.

appropriate

adj. suitable or proper in the circumstances; fitting

synonym : fitting, suitable, proper

(1) **appropriate** behavior, (2) an **appropriate** time

It would be **appropriate** to dress nicely for the wedding.

collaborate

v. to work with someone else to produce or achieve something

synonym : cooperate, unite, get together

(1) **collaborate** with the police, (2) **collaborate** on a press release

She agreed to **collaborate** with him in creating new artwork.

spearhead

v. to lead or initiate an effort or campaign

synonym : lead, initiate, begin

(1) **spearhead** campaign, (2) **spearhead** movement

The CEO decided to **spearhead** the new project to ensure its success.

embark

v. to go on board a ship or plane; to set out on an enterprise or subject of study; to start something

synonym: enter, undertake, commence

(1) **embark** on a trip, (2) **embark** on a foolish adventure

We **embarked** on a new project.

ambitious

adj. having a great desire to attain achievement, power, or wealth

synonym: enterprising, challenging, earnest

(1) achieve **ambitious** goals, (2) with an **ambitious** eye

Their company has been in business for a short time but has **ambitious** goals.

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.

suite

n. a set of rooms designated for a particular purpose or activity, especially a set of rooms in a hotel or private residence used as a living unit; a musical composition of several movements only loosely connected; the group following and attending to some important person

synonym: set, series, collection

(1) **suite** room, (2) **suite** of products

The presidential **suite** is the most luxurious room in the hotel.

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.

stranded

adj. left in a difficult or helpless position without access to help or resources; unable to move or proceed

synonym: marooned, stuck, abandoned

(1) **stranded** travelers, (2) financially **stranded**

After their car broke down, the family was **stranded** on the side of the highway for hours.

tight

adj. fixed, fastened, or kept together firmly or closely

synonym: closed, secured, cramped

(1) a **tight** game, (2) student on a **tight** budget

The national election was held amid **tight** security.

chromosome

n. a long and string-like DNA molecule containing the part or all of the genetic material of an organism that controls what an animal or plant is like

synonym: DNA

(1) a sex **chromosome**, (2) the end of **chromosome**

Human females normally have two X **chromosomes**.

unwind

v. to relax and release tension, often by engaging in leisure activities or by simply resting; to reverse the winding or twisting of something

synonym: relax, de-stress, unroll

(1) **unwind** after work, (2) **unwind** on vacation

I like to **unwind** with a good book after a long day at work.

promoter

n. a person or organization that helps to promote or publicize something, such as an event, product, or idea

synonym: advocate, champion, supporter

(1) event **promoter**, (2) **promoter** gene

She was hired as a product **promoter** to advertise the company's products.

terminate

v. to bring to an end or stop

synonym: stop, finish, abolish

(1) **terminate** the contract, (2) **terminate** a process

The attack on the country **terminated** the relatively peaceful.

indicate

v. to show, point out, or make known something, often through a sign or a symbol; to suggest or imply

something without stating it directly

synonym : hint, suggest, show

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

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

normally

adv. usually; under normal conditions

synonym : commonly, generally, naturally

(1) complete **normally**, (2) not **normally** drink much

I don't **normally** take a vacation in the middle of summer.

fine-tuning

n. the act of making small adjustments or changes to improve or optimize the performance, quality, or effectiveness of something

synonym : adjustment, calibration, tweaking

(1) **fine-tuning** process, (2) **fine-tuning** of a financial plan

The **fine-tuning** of the car engine made it run more smoothly.

typical

adj. having the usual characteristics or traits of a specific group of things

synonym : characteristic, usual, distinctive

(1) **typical** leader, (2) fairly **typical** symptoms

This artwork is **typical** of her work.

inducible

adj. capable of being brought about or caused; able to be prompted, persuaded, or influenced to do or experience something; responsive to a stimulus or condition

synonym : persuasive, convincing, inducible

(1) **inducible** enzyme, (2) **inducible** response

The scientist conducted experiments to determine if the gene was **inducible** under certain conditions.

induce

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

synonym : cause, encourage, persuade

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

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

antioxidant

n. a substance that inhibits oxidation, especially one used to counteract the deterioration of stored food products
(1) high levels of **antioxidants**, (2) **antioxidant** behavior
Fruits and vegetables are good sources of **antioxidants**.

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?

oxygen

n. the chemical element with the symbol O that is present in air and water and is necessary for people, animals, and plants to live
(1) the hydrogen binds the **oxygen**, (2) lack of **oxygen**
The passenger grabbed for the **oxygen** mask.

dam

n. a wall constructed over a river to block the flow of water, mainly used to generate energy
synonym: barricade, barrier, embankment
(1) **dam-building** program, (2) **dam** collapsing
The break in the **dam** threatened the valley.

damage

v. to harm or cause injury to something or someone, often resulting in decreased value or functionality; to impair or negatively affect something, such as a reputation or relationship; (noun) harm or injury that is caused to a person, thing, or entity
synonym: harm, impair, injure
(1) **damage** a relationship, (2) **damage** assessment
During the surgery, the doctor had to be extremely cautious not to **damage** a blood vessel.

strain

n. a force or pressure that stretches or pulls something, sometimes causing damage; (biology) a group of organisms within a species that differ in trivial ways from similar groups

synonym : pressure, tension, breed

(1) **strain** our eyes, (2) a **strain** of bacillus

Dictators of the past often had the erroneous idea of a pure racial **strain**.

popularity

n. the state of being widely accepted, admired, or appreciated by many people

synonym : acclaim, fame, reputation

(1) win **popularity**, (2) **popularity** in the market

The **popularity** of the band has skyrocketed since their first album was released.

arrow

n. a thin, pointed projectile designed to be shot from a bow; a symbol or pointer that is shaped like an arrow

synonym : shaft, dart, projectile

(1) **arrow** pointing, (2) **arrow** diagram

The archer aimed his **arrow** carefully at the target.

hell

n. the place thought to be where bad people go and are punished after death, often depicted as being located beneath the earth; an extraordinarily unpleasant or difficult place

synonym : inferno, agony, misery

(1) run like **hell**, (2) **hell** broke loose

The battlefield became **hell** on earth.

slightly

adv. in a small degree or extent; a little

synonym : barely, narrowly, scarcely

(1) increase **slightly**, (2) **slightly** alkaline soils

He moved his body **slightly** to the left.

phrase

n. a group of words that mean something specific when used together

synonym : expression, idiom, term

(1) ready-made **phrases**, (2) noun **phrase**

We bought a Spanish **phrase** book.

evolve

v. to develop gradually, or to cause the development of something or someone gradually

synonym : develop, mature, grow

(1) **evolve**, (2) **evolve** over the past decade

Eyeless fish **evolved** in dark caves.

consequence

n. the outcome of a particular action or event, especially relative to an individual

synonym : result, impact, outcome

(1) unintended **consequences**, (2) the **consequence** of an argument

These economic activities had disastrous environmental **consequences**.

collaboration

n. the act or situation of working together to create or produce something

synonym : affiliation, alliance, coalition

(1) **collaboration** between companies, (2) **collaboration** platform

The partnership program requires a mutual **collaboration** between both agencies.

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.

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.

crude

adj. being in an unrefined or natural state; (noun) the unprocessed form of oil

synonym: unrefined, native, vulgar

(1) price of **crude** oil, (2) **crude** manners

His **crude** jokes made her angry.

represent

v. to speak, act, or be present on behalf of another person or group; to form or constitute

synonym: depict, express, describe

(1) **represent** by a diagram, (2) the characters that **represent** numbers

We elected him to **represent** us at the international conference.

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.

modern

adj. of or belonging to the present time or recent times

synonym: contemporary, stylish, current

(1) **modern** poetry, (2) pre- **modern** agricultural society

Their headquarters are in a **modern** skyscraper.

mimic

v. to imitate someone's speech, movement, or behavior, especially to make others laugh

synonym: mirror, imitate, ape

(1) **mimic** a human voice, (2) **mimic** numerous instruments

He is very popular at school because he can **mimic** all the

teachers' accents.

Session 2: Spelling

1. tree and sh__bs *n.* a woody plant that is smaller than a tree and has several main stems emerging from the soil
2. in_____nt risk *adj.* existing in something as a permanent, essential, or characteristic attribute
3. the characters that re_____nt numbers *v.* to speak, act, or be present on behalf of another person or group; to form or constitute
4. mo___y my behavior *v.* to change something slightly, such as a plan, option, law, etc., especially to make it more suitable for a particular purpose
5. ra_____d regions *adj.* referring to agricultural practices or crops that rely solely on rainfall for moisture and do not utilize additional irrigation methods, which are dependent on the natural precipitation in a region and can be subject to variations in rainfall patterns and drought conditions
6. political res_____ion *n.* the act of being brought back to life or revived, especially after a period of death or dormancy; a rebirth or renewal of something that was thought to be lost or forgotten
7. electromagnetic ra_____on *n.* the energy that comes from a nuclear reaction in the form of rays, waves, or particles and that can be hazardous to health

ANSWERS: 1. shrub, 2. inherent, 3. represent, 4. modify, 5. rainfed, 6. resurrection, 7. radiation

8. fin_____ng of a financial plan *n.* the act of making small adjustments or changes to improve or optimize the performance, quality, or effectiveness of something
9. harvesting wh__t *n.* a cereal plant that is the most important kind grown in temperate countries, the grain of which is ground to make flour for bread, pasta, pastry, etc
10. es_____al commodities of life *adj.* indispensable; fundamental
11. fl__h the toilet *v.* to become red on your face, especially because you are embarrassed, angry, or hot; to rinse, clean, or empty something, especially a toilet, by causing large quantities of water to flow
12. pr_____t when she will arrive *v.* to state beforehand that something will happen in the future, mainly based on knowledge or experience
13. sl_____ly alkaline soils *adv.* in a small degree or extent; a little
14. pre_____te in the army *v.* to be the most powerful, important, or frequent; to be more common or prevalent than others
15. animal an_____y *n.* the scientific study that deals with the physical structure of humans, animals, or plants
16. 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
17. 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

ANSWERS: 8. fine-tuning, 9. wheat, 10. essential, 11. flush, 12. predict, 13. slightly, 14. predominate, 15. anatomy, 16. planet, 17. drought

18. increase sl_____ly *adv.* in a small degree or extent; a little
19. pr_____n synthesis *n.* a molecule made up of a long chain of amino acids, which is essential for the structure and function of the body's tissues
20. event pr_____er *n.* a person or organization that helps to promote or publicize something, such as an event, product, or idea
21. dense veg_____on *n.* plants in general, particularly those indigenous to a particular region or spot
22. su_____e a plane crash *v.* to live or exist despite a dangerous event or period
23. col_____te on a press release *v.* to work with someone else to produce or achieve something
24. st__k a key in a lock *v.* to put something, usually a sharp object, into something; to restrict yourself to doing or using one certain thing and not change; (noun) a thin piece of wood or other material
25. my friend's cha_____tic laugh *n.* a typical feature or quality that can identify, tell apart, or describe something or somebody
26. su__e room *n.* a set of rooms designated for a particular purpose or activity, especially a set of rooms in a hotel or private residence used as a living unit; a musical composition of several movements only loosely connected; the group following and attending to some important person

ANSWERS: 18. slightly, 19. protein, 20. promoter, 21. vegetation, 22. survive, 23. collaborate, 24. stick, 25. characteristic, 26. suite

27. col_____ion platform *n.* the act or situation of working together to create or produce something
28. a ti__t game *adj.* fixed, fastened, or kept together firmly or closely
29. win pop_____ty *n.* the state of being widely accepted, admired, or appreciated by many people
30. an app_____te time *adj.* suitable or proper in the circumstances; fitting
31. pr_____g the agony *v.* to extend the duration or length of something, particularly a period of time or an event
32. unintended con_____ces *n.* the outcome of a particular action or event, especially relative to an individual
33. re___t being kissed *v.* to refuse to accept something and attempt to prevent it from happening
34. have ge_____c testing *adj.* of or relating to genes (= parts of the DNA in cells) or the science of genes
35. get a con_____nal loan *adj.* based on or following traditional rules, standards, customs, etc.
36. re__t at a high temperature *v.* to take action in response to something
37. col_____te with the police *v.* to work with someone else to produce or achieve something
38. co_____ze planets *v.* to establish a colony in or on a specific place; to settle or occupy in large numbers
39. a scientific di_____ry *n.* the act or process of finding information, a place, or an object, or learning about something that was previously not known

ANSWERS: 27. collaboration, 28. tight, 29. popularity, 30. appropriate, 31. prolong, 32. consequence, 33. resist, 34. genetic, 35. conventional, 36. react, 37. collaborate, 38. colonize, 39. discovery

40. su_____nt plant *adj.* having thick and fleshy leaves or stems that can store water, typically used to describe plants in arid environments; (noun) a type of plant that has thick, fleshy leaves or stems that are capable of storing water
41. de_____ted milk *v.* to remove moisture and liquids from something thoroughly
42. de_____te food *v.* to remove moisture and liquids from something thoroughly
43. ill_____te a key point *v.* to provide pictures, photographs, diagrams, etc. in a book or something for explanation
44. da___e assessment *v.* to harm or cause injury to something or someone, often resulting in decreased value or functionality; to impair or negatively affect something, such as a reputation or relationship; (noun) harm or injury that is caused to a person, thing, or entity
45. st___n our eyes *n.* a force or pressure that stretches or pulls something, sometimes causing damage; (biology) a group of organisms within a species that differ in trivial ways from similar groups
46. en___e reaction *n.* a substance produced by a living organism that acts as a catalyst to bring about a specific biochemical reaction
47. st___e commodities *adj.* essential, crucial, or regularly used

ANSWERS: 40. succulent, 41. desiccate, 42. desiccate, 43. illustrate, 44. damage, 45. strain, 46. enzyme, 47. staple

48. western phi_____hy *n.* the study of general and fundamental questions, such as those about existence, reason, knowledge, values, mind
49. a s__d coat *n.* a small, hard, often round, a reproductive structure that contains a plant's genetic material and is capable of growing into a new plant
50. a high per_____ge *n.* the number, amount, or rate of something, which is usually the amount per hundred
51. res_____ce movement *n.* the act of defending oneself from an aggressor or refusing to accept something
52. es_____te this chicken to weigh three pounds *v.* to guess or calculate the cost, size, value, etc. of something
53. phi_____hy of education *n.* the study of general and fundamental questions, such as those about existence, reason, knowledge, values, mind
54. co_____se the recent past *v.* to include or consist of something; the act of making up or forming something
55. sta_____cs for cancer *n.* the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data
56. a facial ti___e *n.* an ensemble of similar cells of the animal or plant that together carry out a specific function
57. stripes cha_____tic of the zebra *n.* a typical feature or quality that can identify, tell apart, or describe something or somebody

ANSWERS: 48. philosophy, 49. seed, 50. percentage, 51. resistance, 52. estimate, 53. philosophy, 54. comprise, 55. statistics, 56. tissue, 57. characteristic

58. mi____es sterilizer *n.* a tiny living thing that can only be seen with a microscope and that may cause disease
59. ready-made ph____es *n.* a group of words that mean something specific when used together
60. ex____e weather events *adj.* very great in amount or degree
61. historical phe____on *n.* something that exists and can be perceptible, especially one that is not fully understood
62. sub____ean rooms *adj.* under the ground
63. military st____gy *n.* a detailed plan of action designed to achieve a long-term or overall goal.
64. res____ce to insulin *n.* the act of defending oneself from an aggressor or refusing to accept something
65. a ge____c disorder *adj.* of or relating to genes (= parts of the DNA in cells) or the science of genes
66. defense me____sm *n.* a part of a machine, or a set of parts that performs a task; a natural or established process that occurs during a specific situation or reaction
67. supply ch____n *n.* a series of connected links or objects; a system or group of interconnected elements; a restraint or shackle
68. the mean annual ra____ll *n.* the amount of rain that falls in a specific location at a particular moment
69. a ch____al compound *adj.* relating to or connected with chemistry;

ANSWERS: 58. microbe, 59. phrase, 60. extreme, 61. phenomenon, 62. subterranean, 63. strategy, 64. resistance, 65. genetic, 66. mechanism, 67. chain, 68. rainfall, 69. chemical

70. achieve am_____us goals *adj.* having a great desire to attain achievement, power, or wealth
71. ev___e over the past decade *v.* to develop gradually, or to cause the development of something or someone gradually
72. br__d suspicion *v.* to keep animals for producing offspring in a regulated manner
73. genetically altered ma__e *n.* a cereal grain that is native to the Americas and cultivated in wide varieties for its large, yellow, edible seed and as a feed for livestock
74. in_____te an error *v.* to show, point out, or make known something, often through a sign or a symbol; to suggest or imply something without stating it directly
75. universal es_____e *n.* the basic or most important part or quality of something that makes it what it is
76. direct pro_____on *n.* a part, share, or amount of something considered in comparative relation to a whole
77. an_____y of a country's collapse *n.* the scientific study that deals with the physical structure of humans, animals, or plants
78. the great di_____ry of the century *n.* the act or process of finding information, a place, or an object, or learning about something that was previously not known
79. imp_____ion on stage *n.* the act of making something up on the spot or creating or performing something without preparation

ANSWERS: 70. ambitious, 71. evolve, 72. breed, 73. maize, 74. indicate, 75. essence, 76. proportion, 77. anatomy, 78. discovery, 79. improvisation

80. un___d on vacation *v.* to relax and release tension, often by engaging in leisure activities or by simply resting; to reverse the winding or twisting of something
81. student on a ti__t budget *adj.* fixed, fastened, or kept together firmly or closely
82. ang_____rm classification *n.* a type of flowering plant that produces seeds enclosed within a protective structure, such as a fruit or seed pod, which comprises the largest group of plants in the plant kingdom, and they include most of the familiar plants found in gardens, forests, and fields
83. ce_____ar and molecular biology *adj.* of or connected with the cells of animals or plants; of or connected with a mobile telephone system that uses several short-range radio stations instead of wires
84. decision-making pr_____s *n.* a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products
85. the con_____ce of an argument *n.* the outcome of a particular action or event, especially relative to an individual
86. in_____e a lot of paperwork *v.* to include or affect someone or something as a necessary part of something else

ANSWERS: 80. unwind, 81. tight, 82. angiosperm, 83. cellular, 84. process, 85. consequence, 86. involve

87. pr_____t the future *v.* to state beforehand that something will happen in the future, mainly based on knowledge or experience
88. wi_____nd pressure *v.* to resist the effect or impact of something
89. h__l broke loose *n.* the place thought to be where bad people go and are punished after death, often depicted as being located beneath the earth; an extraordinarily unpleasant or difficult place
90. potted su_____nt *adj.* having thick and fleshy leaves or stems that can store water, typically used to describe plants in arid environments; (noun) a type of plant that has thick, fleshy leaves or stems that are capable of storing water
91. ra_____d agriculture *adj.* referring to agricultural practices or crops that rely solely on rainfall for moisture and do not utilize additional irrigation methods, which are dependent on the natural precipitation in a region and can be subject to variations in rainfall patterns and drought conditions
92. a ce_____ar phone handset *adj.* of or connected with the cells of animals or plants; of or connected with a mobile telephone system that uses several short-range radio stations instead of wires
93. bio_____al reaction *adj.* relating to the chemical processes and substances that occur within living organisms

ANSWERS: 87. predict, 88. withstand, 89. hell, 90. succulent, 91. rainfed, 92. cellular, 93. biochemical

94. a con_____nal style *adj.* based on or following traditional rules, standards, customs, etc.
95. pr_____er gene *n.* a person or organization that helps to promote or publicize something, such as an event, product, or idea
96. phy_____cal activity *adj.* relating to the normal functioning of living organisms and their organs and systems; concerning the physical or biochemical processes and activities that occur within the body
97. un____d after work *v.* to relax and release tension, often by engaging in leisure activities or by simply resting; to reverse the winding or twisting of something
98. ca_____e calculation *n.* unit of heat defined as the quantity of heat required to raise the temperature of 1 gram of water by 1 degree Celsius at atmospheric pressure, used by nutritionists to measure how much energy food will produce
99. organic agr_____re *n.* the practice or science of cultivating the land or raising stock
100. inf_____nt showers *adj.* occurring rarely or irregularly; happening at long intervals; not happening often or in large numbers
101. fairly ty_____l symptoms *adj.* having the usual characteristics or traits of a specific group of things
102. develop a st_____gy *n.* a detailed plan of action designed to achieve a long-term or overall goal.

ANSWERS: 94. conventional, 95. promoter, 96. physiological, 97. unwind, 98. calorie, 99. agriculture, 100. infrequent, 101. typical, 102. strategy

103. mo_____ar biology *adj.* of or relating to molecules (= a group of two or more atoms held together by attractive forces known as chemical bonds)
104. pre_____le option *adj.* more desirable or suitable than another option; more favored or favored over something else; better or more advantageous
105. to_____nt of his failure *adj.* accepting different views, beliefs, or practices without judgment or interference
106. gl____n intolerance *n.* a protein found in wheat, barley, and rye that is responsible for the elastic texture of the dough
107. re_____ve factors *adj.* considered and evaluated through comparison with something else
108. genetically mo____y food *v.* to change something slightly, such as a plan, option, law, etc., especially to make it more suitable for a particular purpose
109. cell me_____nes *n.* a soft, thin layer that forms animal or vegetable tissue
110. a cold cl_____e *n.* the weather in a particular location averaged over some long period
111. d_m-building program *n.* a wall constructed over a river to block the flow of water, mainly used to generate energy
112. the st_____re of a machine *n.* the way of construction of something and the arrangement of its parts, or a complex thing constructed of many parts

ANSWERS: 103. molecular, 104. preferable, 105. tolerant, 106. gluten, 107. relative, 108. modify, 109. membrane, 110. climate, 111. dam, 112. structure

113. ant_____nt behavior *n.* a substance that inhibits oxidation, especially one used to counteract the deterioration of stored food products
114. tra_____ome sequencing *n.* the complete set of messenger RNA (mRNA) molecules present within a cell or tissue at a specific time, which represents the collection of genes that are actively being transcribed
115. apply co_____ed pressure *adj.* involving the joint activity of more than one person, government, country, etc.
116. st___e crop *adj.* essential, crucial, or regularly used
117. gen_____ly manipulated plant *adv.* in a way that relates to or is produced by genes (= the units in the cells of a living thing received by an animal or plant from its parents) or heredity
118. an_____or language *n.* a person from whom one is descended; a forefather
119. te_____te a process *v.* to bring to an end or stop
120. in_____le enzyme *adj.* capable of being brought about or caused; able to be prompted, persuaded, or influenced to do or experience something; responsive to a stimulus or condition
121. un_____ke an enterprise *v.* to do or begin to do something, such as an enterprise or responsibility
122. sp_____ad movement *v.* to lead or initiate an effort or campaign
123. ar_____l of knowledge *n.* a collection of weapons or military equipment stored in preparation for war or conflict; a collection of resources or tools available for use in a particular field or endeavor

ANSWERS: 113. antioxidant, 114. transcriptome, 115. concerted, 116. staple, 117. genetically, 118. ancestor, 119. terminate, 120. inducible, 121. undertake, 122. spearhead, 123. arsenal

124. a__d terrain *adj.* lacking in moisture or rainfall; dry and barren; lacking in interest, life, or vitality
125. a com_____ive explanation *adj.* complete and including all or everything necessary
126. co_____ed effort *adj.* involving the joint activity of more than one person, government, country, etc.
127. att_____ve opportunity *adj.* immensely appealing in look or sound; having characteristics or qualities that make something appealing and valuable
128. further mod_____ion *n.* the act of changing something, usually to improve it, or something changed
129. d_m collapsing *n.* a wall constructed over a river to block the flow of water, mainly used to generate energy
130. pr_____s improvement *n.* a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products
131. noun ph___e *n.* a group of words that mean something specific when used together
132. met_____te concentration *n.* a substance produced by metabolic processes in living organisms, especially those that are essential for normal physiological functions

ANSWERS: 124. arid, 125. comprehensive, 126. concerted, 127. attractive, 128. modification, 129. dam, 130. process, 131. phrase, 132. metabolite

133. res_____ion story *n.* the act of being brought back to life or revived, especially after a period of death or dormancy; a rebirth or renewal of something that was thought to be lost or forgotten
134. a sex chr_____me *n.* a long and string-like DNA molecule containing the part or all of the genetic material of an organism that controls what an animal or plant is like
135. major do_____de *n.* the negative aspects or consequences of something; the potential for loss or failure
136. 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
137. re____t temptation *v.* to refuse to accept something and attempt to prevent it from happening
138. em____k on a trip *v.* to go on board a ship or plane; to set out on an enterprise or subject of study; to start something
139. exposure to ra_____on *n.* the energy that comes from a nuclear reaction in the form of rays, waves, or particles and that can be hazardous to health
140. ex_____e sports *adj.* very great in amount or degree
141. have no up____e *n.* the positive aspect or potential of something; the upper side of something
142. complete no_____ly *adv.* usually; under normal conditions

ANSWERS: 133. resurrection, 134. chromosome, 135. downside, 136. planet, 137. resist, 138. embark, 139. radiation, 140. extreme, 141. upside, 142. normally

143. sp_____ad campaign *v.* to lead or initiate an effort or campaign
144. in___e a crisis *v.* to persuade someone to do something;
to cause to act in a specific manner
145. blood li__d profile *n.* any of a group of organic compounds,
including fats, oils, and waxes, that are
insoluble in water but soluble in organic
solvents and are essential constituents
of living cells
146. evolutionary bi_____y *n.* the scientific study of life and the natural
processes of living things
147. the end of chr_____me *n.* a long and string-like DNA molecule
containing the part or all of the genetic
material of an organism that controls
what an animal or plant is like
148. in_____e a high degree of risk *v.* to include or affect someone or
something as a necessary part of
something else
149. inf_____nt meetings *adj.* occurring rarely or irregularly;
happening at long intervals; not
happening often or in large numbers
150. a dull veg_____ve lifestyle *adj.* composed of or relating to the division
of nature comprising the plant; alive but
losing brain functioning and having only
involuntary bodily functioning
151. b__k data transfer *n.* the quantity or size of something that is
very large; the main part of something
152. chaotic env_____nt *n.* the natural world such as air, water, and
land in which humans, animals, and
plants live

ANSWERS: 143. spearhead, 144. induce, 145. lipid, 146. biology, 147. chromosome, 148. involve, 149. infrequent, 150. vegetative, 151. bulk, 152. environment

153. sub_____ean motives for murder *adj.* under the ground
154. do_____de of globalization *n.* the negative aspects or consequences of something; the potential for loss or failure
155. te_____te the contract *v.* to bring to an end or stop
156. 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
157. toxic ch_____als *adj.* relating to or connected with chemistry;
158. c__p field *n.* a plant that is cultivated in large amounts, particularly for food
159. the veg_____ve world *adj.* composed of or relating to the division of nature comprising the plant; alive but losing brain functioning and having only involuntary bodily functioning
160. tropical veg_____on *n.* plants in general, particularly those indigenous to a particular region or spot
161. bacterial pr_____me *n.* the entire complement of proteins that can be expressed by a genome, cell, tissue, or organism, including all of its functional forms and modifications
162. met_____sm enzyme *n.* the set of chemical reactions in cells or organisms that are necessary for life-sustaining
163. ar__w pointing *n.* a thin, pointed projectile designed to be shot from a bow; a symbol or pointer that is shaped like an arrow

ANSWERS: 153. subterranean, 154. downside, 155. terminate, 156. develop, 157. chemical, 158. crop, 159. vegetative, 160. vegetation, 161. proteome, 162. metabolism, 163. arrow

164. 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
165. to _____ce for risk *n.* the willingness to accept or tolerate something, especially something that is different or unpleasant
166. conduct a com_____ive survey *adj.* complete and including all or everything necessary
167. st____ed travelers *adj.* left in a difficult or helpless position without access to help or resources; unable to move or proceed
168. es____te a fair value *v.* to guess or calculate the cost, size, value, etc. of something
169. wh__t crop *n.* a cereal plant that is the most important kind grown in temperate countries, the grain of which is ground to make flour for bread, pasta, pastry, etc
170. re__t against his way of thinking *v.* to take action in response to something
171. lipid met_____me *n.* the complete set of small molecules, such as metabolites, found within a cell, tissue, or organism at a specific time, which represents the metabolic status and activity of a biological system
172. pathogenic mi_____e *n.* a tiny living thing that can only be seen with a microscope and that may cause disease
173. high levels of ant_____nts *n.* a substance that inhibits oxidation, especially one used to counteract the deterioration of stored food products

ANSWERS: 164. drought, 165. tolerance, 166. comprehensive, 167. stranded, 168. estimate, 169. wheat, 170. react, 171. metabolome, 172. microbe, 173. antioxidant

174. ma__e meal *n.* a cereal grain that is native to the Americas and cultivated in wide varieties for its large, yellow, edible seed and as a feed for livestock
175. tra_____ome analysis *n.* the complete set of messenger RNA (mRNA) molecules present within a cell or tissue at a specific time, which represents the collection of genes that are actively being transcribed
176. chemical re_____on *n.* a response that reveals a person's feelings or attitude; (in chemistry) a process in which one or more substances are changed into others
177. effects of cl_____e change *n.* the weather in a particular location averaged over some long period
178. trigger a re_____on *n.* a response that reveals a person's feelings or attitude; (in chemistry) a process in which one or more substances are changed into others
179. su__e of products *n.* a set of rooms designated for a particular purpose or activity, especially a set of rooms in a hotel or private residence used as a living unit; a musical composition of several movements only loosely connected; the group following and attending to some important person
180. mo____n poetry *adj.* of or belonging to the present time or recent times
181. nuclear me_____ne *n.* a soft, thin layer that forms animal or vegetable tissue

ANSWERS: 174. maize, 175. transcriptome, 176. reaction, 177. climate, 178. reaction, 179. suite, 180. modern, 181. membrane

182. mi__c numerous instruments *v.* to imitate someone's speech, movement, or behavior, especially to make others laugh
183. 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
184. gen_____ly inherited traits *adv.* in a way that relates to or is produced by genes (= the units in the cells of a living thing received by an animal or plant from its parents) or heredity
185. re_____nt by a diagram *v.* to speak, act, or be present on behalf of another person or group; to form or constitute
186. a remote re_____ve *adj.* considered and evaluated through comparison with something else
187. wi_____nd temptation *v.* to resist the effect or impact of something
188. lack of digestive en___es *n.* a substance produced by a living organism that acts as a catalyst to bring about a specific biochemical reaction
189. for in_____ce *n.* a particular example or single occurrence of something
190. fin_____ng process *n.* the act of making small adjustments or changes to improve or optimize the performance, quality, or effectiveness of something
191. in_____te a preference *v.* to show, point out, or make known something, often through a sign or a symbol; to suggest or imply something without stating it directly

ANSWERS: 182. mimic, 183. decide, 184. genetically, 185. represent, 186. relative, 187. withstand, 188. enzyme, 189. instance, 190. fine-tuning, 191. indicate

192. political ar____l *n.* a collection of weapons or military equipment stored in preparation for war or conflict; a collection of resources or tools available for use in a particular field or endeavor
193. intensive agr____re *n.* the practice or science of cultivating the land or raising stock
194. the blood fl__h into my face *v.* to become red on your face, especially because you are embarrassed, angry, or hot; to rinse, clean, or empty something, especially a toilet, by causing large quantities of water to flow
195. a precise def____on *n.* a concise explanation of the meaning of a word, phrase, or symbol
196. oasis in the de____t *n.* arid land with little or no vegetation often covered with sand or rocks
197. fire st__k *v.* to put something, usually a sharp object, into something; to restrict yourself to doing or using one certain thing and not change; (noun) a thin piece of wood or other material
198. run like h__l *n.* the place thought to be where bad people go and are punished after death, often depicted as being located beneath the earth; an extraordinarily unpleasant or difficult place
199. coal fa____e *n.* a severe shortage of food, often caused by drought, war, or economic reasons
200. env____nt affairs *n.* the natural world such as air, water, and land in which humans, animals, and plants live

ANSWERS: 192. arsenal, 193. agriculture, 194. flush, 195. definition, 196. desert, 197. stick, 198. hell, 199. famine, 200. environment

201. heavy ra_____ll *n.* the amount of rain that falls in a specific location at a particular moment
202. phy_____cal response *adj.* relating to the normal functioning of living organisms and their organs and systems; concerning the physical or biochemical processes and activities that occur within the body
203. notable in_____ce *n.* a particular example or single occurrence of something
204. co_____ze for cultivation *v.* to establish a colony in or on a specific place; to settle or occupy in large numbers
205. complex bio_____al *adj.* relating to the chemical processes and substances that occur within living organisms
206. 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
207. s__d money *n.* a small, hard, often round, a reproductive structure that contains a plant's genetic material and is capable of growing into a new plant
208. official sta_____cs *n.* the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data

ANSWERS: 201. rainfall, 202. physiological, 203. instance, 204. colonize, 205. biochemical, 206. function, 207. seed, 208. statistics

209. the me_____sm for DNA replication *n.* a part of a machine, or a set of parts that performs a task; a natural or established process that occurs during a specific situation or reaction
210. co_____se a large percentage *v.* to include or consist of something; the act of making up or forming something
211. pr_____me database *n.* the entire complement of proteins that can be expressed by a genome, cell, tissue, or organism, including all of its functional forms and modifications
212. am_____g advances *adj.* extremely surprising, especially in a way that you like or admire
213. earliest human an_____or *n.* a person from whom one is descended; a forefather
214. fa____e relief *n.* a severe shortage of food, often caused by drought, war, or economic reasons
215. a to_____nt teacher *adj.* accepting different views, beliefs, or practices without judgment or interference
216. pop_____ty in the market *n.* the state of being widely accepted, admired, or appreciated by many people
217. em____k on a foolish adventure *v.* to go on board a ship or plane; to set out on an enterprise or subject of study; to start something
218. a mod_____ion of last year's model *n.* the act of changing something, usually to improve it, or something changed
219. cr__e manners *adj.* being in an unrefined or natural state; (noun) the unprocessed form of oil

ANSWERS: 209. mechanism, 210. comprise, 211. proteome, 212. amazing, 213. ancestor, 214. famine, 215. tolerant, 216. popularity, 217. embark, 218. modification, 219. crude

220. ar__w diagram *n.* a thin, pointed projectile designed to be shot from a bow; a symbol or pointer that is shaped like an arrow
221. acid hy_____e *v.* to add water or moisture to something; to drink enough fluids to maintain proper moisture; (noun) any compound that contains water of crystallization
222. loss of muscle ti___e *n.* an ensemble of similar cells of the animal or plant that together carry out a specific function
223. hemoglobin met_____sm *n.* the set of chemical reactions in cells or organisms that are necessary for life-sustaining
224. days to ge_____te *v.* to begin to grow or develop, typically as a seed sprouts
225. 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
226. have an in_____nt dislike *adj.* existing in something as a permanent, essential, or characteristic attribute
227. ty_____l leader *adj.* having the usual characteristics or traits of a specific group of things
228. stress pr_____n *n.* a molecule made up of a long chain of amino acids, which is essential for the structure and function of the body's tissues

ANSWERS: 220. arrow, 221. hydrate, 222. tissue, 223. metabolism, 224. germinate, 225. function, 226. inherent, 227. typical, 228. protein

229. analyze the met_____me *n.* the complete set of small molecules, such as metabolites, found within a cell, tissue, or organism at a specific time, which represents the metabolic status and activity of a biological system
230. human ev_____on *n.* a gradual process of transformation of living things
231. market up___e *n.* the positive aspect or potential of something; the upper side of something
232. ancient ba___b *n.* a type of African tree with a large, bulbous trunk and sparse branches that often looks upside-down; also known as the "tree of life" due to its ability to store water during droughts
233. c__p herbicide *n.* a plant that is cultivated in large amounts, particularly for food
234. ba___b pulp *n.* a type of African tree with a large, bulbous trunk and sparse branches that often looks upside-down; also known as the "tree of life" due to its ability to store water during droughts
235. lack of ox___n *n.* the chemical element with the symbol O that is present in air and water and is necessary for people, animals, and plants to live
236. buy in b__k *n.* the quantity or size of something that is very large; the main part of something
237. financially st_____ed *adj.* left in a difficult or helpless position without access to help or resources; unable to move or proceed

ANSWERS: 229. metabolome, 230. evolution, 231. upside, 232. baobab, 233. crop, 234. baobab, 235. oxygen, 236. bulk, 237. stranded

238. in_____ly anticipated	<i>adv.</i> at the beginning; at first
239. religious to_____ce	<i>n.</i> the willingness to accept or tolerate something, especially something that is different or unpleasant
240. un_____ke routine duties	<i>v.</i> to do or begin to do something, such as an enterprise or responsibility
241. price of cr__e oil	<i>adj.</i> being in an unrefined or natural state; (noun) the unprocessed form of oil
242. ill_____te a story	<i>v.</i> to provide pictures, photographs, diagrams, etc. in a book or something for explanation
243. mo_____ar structure	<i>adj.</i> of or relating to molecules (= a group of two or more atoms held together by attractive forces known as chemical bonds)
244. de___t basin	<i>n.</i> arid land with little or no vegetation often covered with sand or rocks
245. ev_____on theory	<i>n.</i> a gradual process of transformation of living things
246. ch__n reaction	<i>n.</i> a series of connected links or objects; a system or group of interconnected elements; a restraint or shackle
247. measures to pr_____g the lifespan	<i>v.</i> to extend the duration or length of something, particularly a period of time or an event
248. ev___e	<i>v.</i> to develop gradually, or to cause the development of something or someone gradually

ANSWERS: 238. initially, 239. tolerance, 240. undertake, 241. crude, 242. illustrate, 243. molecular, 244. desert, 245. evolution, 246. chain, 247. prolong, 248. evolve

249. de___e a question *v.* to make up someone's mind about something; to come to a conclusion or judgment after considering options
250. pre-mo___n agricultural society *adj.* of or belonging to the present time or recent times
251. jazz imp_____ion *n.* the act of making something up on the spot or creating or performing something without preparation
252. a_m to be a nurse *v.* to try or plan to get or achieve something
253. ge_____te the idea *v.* to begin to grow or develop, typically as a seed sprouts
254. a building of vast pro_____ons *n.* a part, share, or amount of something considered in comparative relation to a whole
255. ang_____rm reproduction *n.* a type of flowering plant that produces seeds enclosed within a protective structure, such as a fruit or seed pod, which comprises the largest group of plants in the plant kingdom, and they include most of the familiar plants found in gardens, forests, and fields
256. the per_____ge of the gold content *n.* the number, amount, or rate of something, which is usually the amount per hundred
257. mi__c a human voice *v.* to imitate someone's speech, movement, or behavior, especially to make others laugh
258. hy_____e my skin *v.* to add water or moisture to something; to drink enough fluids to maintain proper moisture; (noun) any compound that contains water of crystallization

ANSWERS: 249. decide, 250. modern, 251. improvisation, 252. aim, 253. germinate, 254. proportion, 255. angiosperm, 256. percentage, 257. mimic, 258. hydrate

259. 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
260. drug met_____te *n.* a substance produced by metabolic processes in living organisms, especially those that are essential for normal physiological functions
261. a st____n of bacillus *n.* a force or pressure that stretches or pulls something, sometimes causing damage; (biology) a group of organisms within a species that differ in trivial ways from similar groups
262. a_m at a specific target *v.* to try or plan to get or achieve something
263. re_____ct the dead *v.* to bring back to life or bring into existence again
264. st_____re and function of the brain *n.* the way of construction of something and the arrangement of its parts, or a complex thing constructed of many parts
265. pre_____te religion *v.* to be the most powerful, important, or frequent; to be more common or prevalent than others
266. app_____te behavior *adj.* suitable or proper in the circumstances; fitting
267. da___e a relationship *v.* to harm or cause injury to something or someone, often resulting in decreased value or functionality; to impair or negatively affect something, such as a reputation or relationship; (noun) harm or injury that is caused to a person, thing, or entity

ANSWERS: 259. develop, 260. metabolite, 261. strain, 262. aim, 263. resurrect, 264. structure, 265. predominate, 266. appropriate, 267. damage

268. col_____ion between companies *n.* the act or situation of working together to create or produce something
269. the most am_____g feeling *adj.* extremely surprising, especially in a way that you like or admire
270. li__d metabolism *n.* any of a group of organic compounds, including fats, oils, and waxes, that are insoluble in water but soluble in organic solvents and are essential constituents of living cells
271. natural phe_____on *n.* something that exists and can be perceptible, especially one that is not fully understood
272. in___e him to see a doctor *v.* to persuade someone to do something; to cause to act in a specific manner
273. cell and molecular bi_____y *n.* the scientific study of life and the natural processes of living things
274. reduce my ca_____e intake *n.* unit of heat defined as the quantity of heat required to raise the temperature of 1 gram of water by 1 degree Celsius at atmospheric pressure, used by nutritionists to measure how much energy food will produce
275. pre_____le solution *adj.* more desirable or suitable than another option; more favored or favored over something else; better or more advantageous
276. the def_____on of a word *n.* a concise explanation of the meaning of a word, phrase, or symbol
277. the hydrogen binds the ox___n *n.* the chemical element with the symbol O that is present in air and water and is necessary for people, animals, and plants to live

ANSWERS: 268. collaboration, 269. amazing, 270. lipid, 271. phenomenon, 272. induce, 273. biology, 274. calorie, 275. preferable, 276. definition, 277. oxygen

278. att_____ve men *adj.* immensely appealing in look or sound; having characteristics or qualities that make something appealing and valuable
279. in_____le response *adj.* capable of being brought about or caused; able to be prompted, persuaded, or influenced to do or experience something; responsive to a stimulus or condition
280. re_____ct an argument *v.* to bring back to life or bring into existence again
281. with an am_____us eye *adj.* having a great desire to attain achievement, power, or wealth
282. es_____al amino acid *adj.* indispensable; fundamental
283. a coordinate a__s *n.* a real or imaginary straight line through a body or figure around which the object turns; a group of countries in special alliance
284. su_____e a blizzard *v.* to live or exist despite a dangerous event or period
285. vertical a__s *n.* a real or imaginary straight line through a body or figure around which the object turns; a group of countries in special alliance
286. br__d horses *v.* to keep animals for producing offspring in a regulated manner
287. gl___n-free diets *n.* a protein found in wheat, barley, and rye that is responsible for the elastic texture of the dough

ANSWERS: 278. attractive, 279. inducible, 280. resurrect, 281. ambitious, 282. essential, 283. axis, 284. survive, 285. axis, 286. breed, 287. gluten

288. small sh__b *n.* a woody plant that is smaller than a tree and has several main stems emerging from the soil
289. vanilla es_____e *n.* the basic or most important part or quality of something that makes it what it is
290. diagnosed in_____ly as a tumor *adv.* at the beginning; at first
291. not no_____ly drink much *adv.* usually; under normal conditions
292. semi-a__d zone *adj.* lacking in moisture or rainfall; dry and barren; lacking in interest, life, or vitality

ANSWERS: 288. shrub, 289. essence, 290. initially, 291. normally, 292. arid

Session 3: Fill in the Blanks

1. The study aimed to analyze the changes in the _____ of cancer cells.
n. the complete set of small molecules, such as metabolites, found within a cell, tissue, or organism at a specific time, which represents the metabolic status and activity of a biological system
2. She was known for her _____ attitude toward different cultures.
adj. accepting different views, beliefs, or practices without judgment or interference
3. The NGO launched a _____ campaign to raise awareness about the issue.
adj. involving the joint activity of more than one person, government, country, etc.
4. The company's financial records _____ how successful it has been.
v. to provide pictures, photographs, diagrams, etc. in a book or something for explanation
5. He is more concerned about the _____ of his body fat than usual because of an upcoming bodybuilding competition.
n. a part, share, or amount of something considered in comparative relation to a whole
6. These birds can only _____ in temperate climates.
v. to live or exist despite a dangerous event or period
7. The national election was held amid _____ security.
adj. fixed, fastened, or kept together firmly or closely
8. The firm has grown into a large _____ manufacturing.
adj. relating to or connected with chemistry;

ANSWERS: 1. metabolome, 2. tolerant, 3. concerted, 4. illustrate, 5. proportion, 6. survive, 7. tight, 8. chemical

9. The tropical island is known for its _____ seafood dishes featuring fresh fish, lobster, and shrimp.
- adj.* having thick and fleshy leaves or stems that can store water, typically used to describe plants in arid environments; (noun) a type of plant that has thick, fleshy leaves or stems that are capable of storing water
10. These plants thrive in hot climates with abundant _____.
- n.* the amount of rain that falls in a specific location at a particular moment
11. These are _____ with no trunks that rarely grow taller than 3 meters.
- n.* a woody plant that is smaller than a tree and has several main stems emerging from the soil
12. During the surgery, the doctor had to be extremely cautious not to _____ a blood vessel.
- v.* to harm or cause injury to something or someone, often resulting in decreased value or functionality; to impair or negatively affect something, such as a reputation or relationship; (noun) harm or injury that is caused to a person, thing, or entity
13. European powers _____ much of the Americas in the 16th and 17th centuries.
- v.* to establish a colony in or on a specific place; to settle or occupy in large numbers
14. The doctor explained the various _____ changes that occur during pregnancy.
- adj.* relating to the normal functioning of living organisms and their organs and systems; concerning the physical or biochemical processes and activities that occur within the body

ANSWERS: 9. succulent, 10. rainfall, 11. shrubs, 12. damage, 13. colonized, 14. physiological

15. The partnership program requires a mutual _____ between both agencies.
n. the act or situation of working together to create or produce something
16. I chose to _____ cancer by trying every possible treatment.
v. to refuse to accept something and attempt to prevent it from happening
17. The school's diversity program aimed to promote _____ and understanding among the students.
n. the willingness to accept or tolerate something, especially something that is different or unpleasant
18. We elected him to _____ us at the international conference.
v. to speak, act, or be present on behalf of another person or group; to form or constitute
19. These articles cite five _____ of climate change.
n. a particular example or single occurrence of something
20. His _____ jokes made her angry.
adj. being in an unrefined or natural state; (noun) the unprocessed form of oil
21. Parallel lines are, by _____ lines on the same plane that never cross.
n. a concise explanation of the meaning of a word, phrase, or symbol
22. The lack of sleep _____ both physical and psychological diseases.
v. to persuade someone to do something; to cause to act in a specific manner
23. 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

ANSWERS: 15. collaboration, 16. resist, 17. tolerance, 18. represent, 19. instances,

20. crude, 21. definition, 22. induces, 23. function

24. What is the _____ of the consumption tax in the United States?
- n.* the number, amount, or rate of something, which is usually the amount per hundred
25. The _____ demonstrate that poverty and unemployment are genuine problems.
- n.* the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data
26. The researcher separated the nervous _____ for microscopic examinations.
- n.* an ensemble of similar cells of the animal or plant that together carry out a specific function
27. In junior high school, we had to dissect a frog in _____ class.
- n.* the scientific study of life and the natural processes of living things
28. _____ crops rely solely on rainfall for their water supply rather than irrigation systems.
- adj.* referring to agricultural practices or crops that rely solely on rainfall for moisture and do not utilize additional irrigation methods, which are dependent on the natural precipitation in a region and can be subject to variations in rainfall patterns and drought conditions
29. As a result of this _____ we have revised our safety measures.
- n.* the act of changing something, usually to improve it, or something changed
30. The data _____ that the company's profits have steadily increased over the past quarter.
- v.* to show, point out, or make known something, often through a sign or a symbol; to suggest or imply something without stating it directly

ANSWERS: 24. percentage, 25. statistics, 26. tissue, 27. biology, 28. Rainfed, 29. modification, 30. indicates

31. Honesty is an _____ quality that everyone should strive to possess.
adj. existing in something as a permanent, essential, or characteristic attribute
32. The _____ in the area is quite diverse.
n. plants in general, particularly those indigenous to a particular region or spot
33. Many people see the _____ of traveling as an opportunity to experience new cultures and broaden their horizons.
n. the positive aspect or potential of something; the upper side of something
34. Young people in this country should _____ military duties.
v. to do or begin to do something, such as an enterprise or responsibility
35. We _____ the season's total trade deficit at \$50 billion.
v. to guess or calculate the cost, size, value, etc. of something
36. Most countries prohibit sexual activity between certain close _____.
adj. considered and evaluated through comparison with something else
37. The _____ on my bike broke, leaving me stranded.
n. a series of connected links or objects; a system or group of interconnected elements; a restraint or shackle
38. We _____ for an overseas expansion.
v. to try or plan to get or achieve something
39. Human females normally have two X _____.
n. a long and string-like DNA molecule containing the part or all of the genetic material of an organism that controls what an animal or plant is like

ANSWERS: 31. inherent, 32. vegetation, 33. upside, 34. undertake, 35. estimated, 36. relatives, 37. chain, 38. aim, 39. chromosomes

40. The seeds _____ quickly in the warm soil.
v. to begin to grow or develop, typically as a seed sprouts
41. 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
42. I don't _____ take a vacation in the middle of summer.
adv. usually; under normal conditions
43. They tried to _____ the ancient tradition.
v. to bring back to life or bring into existence again
44. In this particular field, his work _____ over all others.
v. to be the most powerful, important, or frequent; to be more common or prevalent than others
45. After their car broke down, the family was _____ on the side of the highway for hours.
adj. left in a difficult or helpless position without access to help or resources; unable to move or proceed
46. It would be best if you burned off _____ through vigorous exercise.
n. unit of heat defined as the quantity of heat required to raise the temperature of 1 gram of water by 1 degree Celsius at atmospheric pressure, used by nutritionists to measure how much energy food will produce
47. He created a beautiful piece of music using only _____.
n. the act of making something up on the spot or creating or performing something without preparation

ANSWERS: 40. germinated, 41. involves, 42. normally, 43. resurrect, 44. predominated, 45. stranded, 46. calories, 47. improvisation

48. Many people with celiac disease must avoid _____ in their diet.
- n.* a protein found in wheat, barley, and rye that is responsible for the elastic texture of the dough
49. 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
50. Their headquarters are in a _____ skyscraper.
- adj.* of or belonging to the present time or recent times
51. The idea of _____ is central to many religious beliefs.
- n.* the act of being brought back to life or revived, especially after a period of death or dormancy; a rebirth or renewal of something that was thought to be lost or forgotten
52. 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
53. The organizational _____ of start-ups is often flat and straightforward.
- n.* the way of construction of something and the arrangement of its parts, or a complex thing constructed of many parts
54. I like to _____ with a good book after a long day at work.
- v.* to relax and release tension, often by engaging in leisure activities or by simply resting; to reverse the winding or twisting of something
55. He tried every possible treatment, including chemotherapy and _____ therapy.
- n.* the energy that comes from a nuclear reaction in the form of rays, waves, or particles and that can be hazardous to health

ANSWERS: 48. gluten, 49. environment, 50. modern, 51. resurrection, 52. decide, 53. structure, 54. unwind, 55. radiation

56. The _____ tree can grow over 60 feet tall and live for thousands of years.
- n.* a type of African tree with a large, bulbous trunk and sparse branches that often looks upside-down; also known as the "tree of life" due to its ability to store water during droughts
57. Eyeless fish _____ in dark caves.
- v.* to develop gradually, or to cause the development of something or someone gradually
58. The golfer recorded an _____ distance.
- adj.* extremely surprising, especially in a way that you like or admire
59. We _____ on a new project.
- v.* to go on board a ship or plane; to set out on an enterprise or subject of study; to start something
60. They study the _____ of the universe.
- n.* a gradual process of transformation of living things
61. The growth of the "sharing economy" is _____ for tech companies.
- adj.* immensely appealing in look or sound; having characteristics or qualities that make something appealing and valuable
62. The body needs a certain amount of _____ to build and repair tissues.
- n.* a molecule made up of a long chain of amino acids, which is essential for the structure and function of the body's tissues
63. For most people, living in a quiet suburb is _____ to living in a busy city.
- adj.* more desirable or suitable than another option; more favored or favored over something else; better or more advantageous

ANSWERS: 56. baobab, 57. evolved, 58. amazing, 59. embarked, 60. evolution, 61. attractive, 62. protein, 63. preferable

64. Fruits and vegetables are good sources of _____.
- n.* a substance that inhibits oxidation, especially one used to counteract the deterioration of stored food products
65. 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
66. The bill to increase the consumption tax had passed despite much _____ from the public.
- n.* the act of defending oneself from an aggressor or refusing to accept something
67. The presidential _____ is the most luxurious room in the hotel.
- n.* a set of rooms designated for a particular purpose or activity, especially a set of rooms in a hotel or private residence used as a living unit; a musical composition of several movements only loosely connected; the group following and attending to some important person
68. He was in what was described as a _____ state.
- adj.* composed of or relating to the division of nature comprising the plant; alive but losing brain functioning and having only involuntary bodily functioning
69. The bricks were _____ by the hot air completely.
- v.* to remove moisture and liquids from something thoroughly
70. She drank water to _____ her body.
- v.* to add water or moisture to something; to drink enough fluids to maintain proper moisture; (noun) any compound that contains water of crystallization
71. She was hired as a product _____ to advertise the company's products.
- n.* a person or organization that helps to promote or publicize something, such as an event, product, or idea

ANSWERS: 64. antioxidants, 65. planet, 66. resistance, 67. suite, 68. vegetative, 69. desiccated, 70. hydrate, 71. promoter

72. The new phone is waterproof and can _____ being dropped in water.

v. to resist the effect or impact of something

73. The team _____ players from different countries.

v. to include or consist of something; the act of making up or forming something

74. The earth's _____ of rotation is tilted 66.5 degrees to the ecliptic plane.

n. a real or imaginary straight line through a body or figure around which the object turns; a group of countries in special alliance

75. Bananas have their _____ taste and odor.

n. a typical feature or quality that can identify, tell apart, or describe something or somebody

76. We have a _____ grasp of this topic.

adj. complete and including all or everything necessary

77. The break in the _____ threatened the valley.

n. a wall constructed over a river to block the flow of water, mainly used to generate energy

78. _____ weight is the sum of all the atoms.

adj. of or relating to molecules (= a group of two or more atoms held together by attractive forces known as chemical bonds)

79. He is very popular at school because he can _____ all the teachers' accents.

v. to imitate someone's speech, movement, or behavior, especially to make others laugh

ANSWERS: 72. withstand, 73. comprises, 74. axis, 75. characteristic, 76. comprehensive, 77. dam, 78. Molecular, 79. mimic

80. Sow early for an early _____.
- n.* a plant that is cultivated in large amounts, particularly for food
81. A deficiency in the _____ can lead to a medical condition.
- n.* a substance produced by a living organism that acts as a catalyst to bring about a specific biochemical reaction
82. The girl _____ when a young man whistled as she walked by.
- v.* to become red on your face, especially because you are embarrassed, angry, or hot; to rinse, clean, or empty something, especially a toilet, by causing large quantities of water to flow
83. The CEO decided to _____ the new project to ensure its success.
- v.* to lead or initiate an effort or campaign
84. These economic activities had disastrous environmental _____.
- n.* the outcome of a particular action or event, especially relative to an individual
85. The attack on the country _____ the relatively peaceful.
- v.* to bring to an end or stop
86. Solar gravity creates _____ pressures and temperatures.
- adj.* very great in amount or degree
87. The _____ of the car engine made it run more smoothly.
- n.* the act of making small adjustments or changes to improve or optimize the performance, quality, or effectiveness of something
88. Her research team made an important _____.
- n.* the act or process of finding information, a place, or an object, or learning about something that was previously not known

ANSWERS: 80. crop, 81. enzyme, 82. flushed, 83. spearhead, 84. consequences, 85. terminated, 86. extreme, 87. fine-tuning, 88. discovery

89. He moved his body _____ to the left.

adv. in a small degree or extent; a little

90. 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

91. The professor explained the _____ of the nervous system.

n. the scientific study that deals with the physical structure of humans, animals, or plants

92. This animal _____ in northern latitudes.

v. to keep animals for producing offspring in a regulated manner

93. The archer aimed his _____ carefully at the target.

n. a thin, pointed projectile designed to be shot from a bow; a symbol or pointer that is shaped like an arrow

94. Dictators of the past often had the erroneous idea of a pure racial _____.

n. a force or pressure that stretches or pulls something, sometimes causing damage; (biology) a group of organisms within a species that differ in trivial ways from similar groups

95. She agreed to _____ with him in creating new artwork.

v. to work with someone else to produce or achieve something

96. Scientists are studying the _____ reproduction process to understand how these plants produce seeds within enclosed ovaries.

n. a type of flowering plant that produces seeds enclosed within a protective structure, such as a fruit or seed pod, which comprises the largest group of plants in the plant kingdom, and they include most of the familiar plants found in gardens, forests, and fields

ANSWERS: 89. slightly, 90. famine, 91. anatomy, 92. breeds, 93. arrow, 94. strain, 95. collaborate, 96. angiosperm

97. Omega-3 fatty acids, found in foods like fish and nuts, are a type of _____ that is good for heart health.
- n.* any of a group of organic compounds, including fats, oils, and waxes, that are insoluble in water but soluble in organic solvents and are essential constituents of living cells
98. _____ is the foundation of our economy.
- n.* the practice or science of cultivating the land or raising stock
99. He discovered unique _____ for photochemical reactions.
- n.* a part of a machine, or a set of parts that performs a task; a natural or established process that occurs during a specific situation or reaction
100. _____ thrive on the surface of the human skin.
- n.* a tiny living thing that can only be seen with a microscope and that may cause disease
101. The battlefield became _____ on earth.
- n.* the place thought to be where bad people go and are punished after death, often depicted as being located beneath the earth; an extraordinarily unpleasant or difficult place
102. Our plan includes a comprehensive marketing _____.
- n.* a detailed plan of action designed to achieve a long-term or overall goal.
103. Scientists are studying the human _____ to understand better how proteins work in the body.
- n.* the entire complement of proteins that can be expressed by a genome, cell, tissue, or organism, including all of its functional forms and modifications

ANSWERS: 97. lipid, 98. Agriculture, 99. mechanisms, 100. Microbes, 101. hell, 102. strategy, 103. proteome

104. The farmer grew _____ on his land.

- n.* a cereal plant that is the most important kind grown in temperate countries, the grain of which is ground to make flour for bread, pasta, pastry, etc

105. The passenger grabbed for the _____ mask.

- n.* the chemical element with the symbol O that is present in air and water and is necessary for people, animals, and plants to live

106. The _____ of the new policy was that it would be more expensive for customers.

- n.* the negative aspects or consequences of something; the potential for loss or failure

107. There was a chemical _____ of the lime with the groundwater.

- n.* a response that reveals a person's feelings or attitude; (in chemistry) a process in which one or more substances are changed into others

108. The farmers grew a large _____ crop this year and expected a good harvest.

- n.* a cereal grain that is native to the Americas and cultivated in wide varieties for its large, yellow, edible seed and as a feed for livestock

109. Understanding protein folding is a vital step in deciphering the _____ code.

- adj.* of or relating to genes (= parts of the DNA in cells) or the science of genes

110. Loud noises might harm the fragile ear _____.

- n.* a soft, thin layer that forms animal or vegetable tissue

111. He planted the _____ in the soil and waited for it to sprout.

- n.* a small, hard, often round, a reproductive structure that contains a plant's genetic material and is capable of growing into a new plant

ANSWERS: 104. wheat, 105. oxygen, 106. downside, 107. reaction, 108. maize, 109. genetic, 110. membrane, 111. seed

112. This region is predominantly _____.

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

113. I received a parcel of great _____.

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

114. She is very _____ in her thoughts.

adj. based on or following traditional rules, standards, customs, etc.

115. We bought a Spanish _____ book.

n. a group of words that mean something specific when used together

116. Their company has been in business for a short time but has _____ goals.

adj. having a great desire to attain achievement, power, or wealth

117. University teaches the art of understanding the _____ of the matter.

n. the basic or most important part or quality of something that makes it what it is

118. This artwork is _____ of her work.

adj. having the usual characteristics or traits of a specific group of things

119. You _____ a bill in the change machine, and the coins pop out.

v. to put something, usually a sharp object, into something; to restrict yourself to doing or using one certain thing and not change; (noun) a thin piece of wood or other material

120. This factory employs a _____ manufacturing system.

adj. of or connected with the cells of animals or plants; of or connected with a mobile telephone system that uses several short-range radio stations instead of wires

ANSWERS: 112. desert, 113. bulk, 114. conventional, 115. phrase, 116. ambitious, 117. essence, 118. typical, 119. stick, 120. cellular

121. The scientist conducted experiments to determine if the gene was _____ under certain conditions.
adj. capable of being brought about or caused; able to be prompted, persuaded, or influenced to do or experience something; responsive to a stimulus or condition
122. We use adverbs to _____ verbs and adjectives.
v. to change something slightly, such as a plan, option, law, etc., especially to make it more suitable for a particular purpose
123. The liver _____ levels were higher than usual.
n. a substance produced by metabolic processes in living organisms, especially those that are essential for normal physiological functions
124. My remote _____ immigrated to the United States from Ireland in the 1800s.
n. a person from whom one is descended; a forefather
125. The _____ of the band has skyrocketed since their first album was released.
n. the state of being widely accepted, admired, or appreciated by many people
126. The _____ modified crops were resistant to pests and required less water.
adv. in a way that relates to or is produced by genes (= the units in the cells of a living thing received by an animal or plant from its parents) or heredity
127. Ethics is a branch of _____.
n. the study of general and fundamental questions, such as those about existence, reason, knowledge, values, mind
128. This train departed later than _____ scheduled.
adv. at the beginning; at first

ANSWERS: 121. inducible, 122. modify, 123. metabolite, 124. ancestor, 125. popularity, 126. genetically, 127. philosophy, 128. initially

129. It would be _____ to dress nicely for the wedding.

adj. suitable or proper in the circumstances; fitting

130. Better sleep leads to increased _____.

n. the set of chemical reactions in cells or organisms that are necessary for life-sustaining

131. 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

132. Such _____ passages span kilometers in London.

adj. under the ground

133. A rainbow is a natural _____.

n. something that exists and can be perceptible, especially one that is not fully understood

134. We need to _____ the meeting for another hour to discuss all the issues.

v. to extend the duration or length of something, particularly a period of time or an event

135. Rice and beans are a _____ food in many cultures.

adj. essential, crucial, or regularly used

136. How did he _____ to your idea?

v. to take action in response to something

ANSWERS: 129. appropriate, 130. metabolism, 131. develop, 132. subterranean, 133. phenomenon, 134. prolong, 135. staple, 136. react

137. 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

138. Trial and error is an _____ part of education.

adj. indispensable; fundamental

139. The desert is known for its _____ climate and lack of rainfall.

adj. lacking in moisture or rainfall; dry and barren; lacking in interest, life, or vitality

140. It's notoriously challenging to _____ birth rates.

v. to state beforehand that something will happen in the future, mainly based on knowledge or experience

141. Traveling to remote villages can be difficult due to _____ transportation.

adj. occurring rarely or irregularly; happening at long intervals; not happening often or in large numbers

142. The police found a hidden _____ of weapons in the suspect's house.

n. a collection of weapons or military equipment stored in preparation for war or conflict; a collection of resources or tools available for use in a particular field or endeavor

143. The researchers examined the _____ of cancer cells to identify genes associated with the disease.

n. the complete set of messenger RNA (mRNA) molecules present within a cell or tissue at a specific time, which represents the collection of genes that are actively being transcribed

ANSWERS: 137. drought, 138. essential, 139. arid, 140. predict, 141. infrequent, 142. arsenal, 143. transcriptome

144. _____ and weather have an impact on every part of our lifestyles.
n. the weather in a particular location averaged over some long period
145. The _____ for applying for a visa can be lengthy and complicated.
n. a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products
146. _____ research is essential to understanding the complex chemical reactions in living organisms.
adj. relating to the chemical processes and substances that occur within living organisms

ANSWERS: 144. Climate, 145. process, 146. Biochemical