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Vocabulary Builder Reference from...

Juan Enriquez: What will humans look like in 100 years? | TED Talk

https://www.ted.com/talks/juan_enriquez_what_will_humans_look_like_in_100_years

All Words

IMPORTANT

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Session 1: Word List

ethics

n. a branch of philosophy that considers what is morally right and wrong conduct; a set of beliefs about what is morally right and wrong

synonym: morals, principles, moralities

(1) political **ethics**, (2) **ethics** of journalism

This scripture provides the code of **ethics** for the religion.

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.

bacteria

n. single-celled or noncellular spherical or spiral or rod-shaped organisms that exist in large numbers in the air, water, and soil, and also in living and dead creatures and plants, and are often a cause of disease

synonym: microorganism, microbe

(1) pathogenic **bacteria**, (2) harmless **bacteria**

Bacteria prevalent in hospitals are often resistant to antibiotics.

context

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

synonym : background, setting, environment

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

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

prosthetic

adj. of or relating to an artificial part of the body, such as a limb, a heart, or a breast implant

(1) have **prosthetic** arms, (2) **prosthetic** limbs

New **prosthetic** joints are less prone to metal poisoning.

belong

v. to be the property of someone or something; to be a member or part of a group; to be in the proper or appropriate place

synonym : fit, be appropriate, be suitable

(1) **belong** to different species, (2) **belong** to a group

All the books in this section **belong** to the library's rare collection and must be handled carefully.

germ

n. a very tiny living that causes the disease; a piece of something such as an organism, concept, etc., capable of growing into a new one or part of one

synonym : bacterium, microbe, pathogen

(1) antibiotic-resistant **germ**, (2) a **germ-free** environment

The **germ** of his idea came from watching birds flying in flocks.

suit

n. a set of clothes that are made from the same material; a claim or complaint that a person or organization can file in court against another party; (verb) to be fit or acceptable for

synonym : clothes, lawsuit, (verb) fit

(1) **suit** and tie restaurant, (2) **suit** at law

Six **suits** are awaiting trial or verdict.

concept

n. an idea or principle associated with something abstract
synonym: idea, notion, vision

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

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

fist

n. a hand with the fingers clenched tightly into the palm to form a hard rounded shape; an act of striking someone or something with the fist

synonym: clenched hand, knuckles, mitt

(1) tight **fist**, (2) raise a **fist**

The boxer clenched his **fist** before throwing a punch.

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.

hard-boiled

adj. (person or style of writing) tough and unsentimental; (eggs) cooked until the yolk is solid

synonym: tough, unsentimental, cynical

(1) **hard-boiled** novel, (2) **hard-boiled** eggs

The **hard-boiled** detective was known for his uncompromising attitude and quick thinking.

absolutely

adv. without restriction or limitation; completely or utterly

synonym: completely, utterly, definitely

(1) **absolutely** against, (2) **absolutely** obsessed with the girl

I am **absolutely** opposed to his idea because of morality.

extraordinary

adj. exceptional, unexpected, very unusual; surpassing the ordinary or usual

synonym: exceptional, noteworthy, astonishing

(1) **extraordinary** ability, (2) **extraordinary** weather

He narrated the **extraordinary** story of his adventure.

- cliff** *n.* a steep rock face, especially one at the edge of the sea or a river
synonym: crag, escarpment, precipice
(1) a bold **cliff**, (2) **cliff** diving
He stood at the edge of the **cliff** and looked out to sea.
- marathon** *n.* a long-distance race of 42.195 kilometers
synonym: endurance, race, event
(1) run a **marathon**, (2) watch a **marathon**
She successfully completed her first **marathon** with a personal best time.
- ballroom** *n.* a large room for dancing
synonym: dance hall, assembly hall
(1) **ballroom** dance, (2) **ballroom** floor
The grand **ballroom** was filled with twirling couples and the sound of music.
- adapt** *v.* to make fit for or change to suit a new purpose or environment
synonym: adjust, acclimate, accustom
(1) **adapt** fully to the environment, (2) **adapt** as needed
I advised him to **adapt** to his new surroundings.
- external** *adj.* belonging to or situated outside of someone or something
synonym: outside, exterior, foreign
(1) **external** factors, (2) **external** commerce
When a company discloses information to the market, an **external** auditor verifies them.
- 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.

pacemaker

n. a small electronic device that is implanted in the chest to regulate the heartbeat of people with certain heart conditions; a person or thing that sets the pace or rhythm for others

synonym: heartbeat regulator, pacer, pacesetter

(1) implanted **pacemaker**, (2) **pacemaker** battery

Some people with **pacemakers** may need to avoid certain activities or sources of electromagnetic interference.

symbiotic

adj. involving two varieties of animal or plant, each of which supplies the conditions for the other to exist

(1) **symbiotic** economy, (2) **symbiotic** bacteria

We have a mutually **symbiotic** connection with them.

relation

n. the way two persons or groups of people feel and act toward one another

synonym: association, linkage, connection

(1) **relation** between cause and effect, (2) **relation** of inclusion

The industrial **relations** laws were passed with little to no alteration.

bob

v. to move up and down quickly and repeatedly, often in a short, jerky motion; to cut, trim, or shorten hair, especially by repeatedly snipping with scissors; (noun) a hairstyle in which the hair is cut short and even all around, usually above the shoulders

synonym: bobble, bounce, wag

(1) **bob** a quick curtsy, (2) **bob** on the surface of the water

I need to **bob** my head to the beat of the music.

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.

bionic

adj. relating to or using technology or devices that enhance or replace biological functions, typically in a way that mimics or improves upon the original

(1) **bionic** exoskeleton, (2) **bionic** technology

The soldier was fitted with a **bionic** arm after losing him in combat.

integrate

v. to combine one thing with another so that they form a whole or work together; to accept equal participation for members of all races and ethnic groups

synonym: mix, merge, combine

(1) **integrate** into the existing system, (2) **integrate** both businesses

He found that it is difficult to **integrate** socially.

brain

n. the organ inside the head that is responsible for one's movement, thought, memory, and feeling

synonym: intellect, mind, encephalon

(1) basic **brain** function, (2) permanent **brain** damage

X-rays revealed a small tumor in his **brain**.

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.

fundamental

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

synonym: basic, essential, entire

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

Human behavior has **fundamental** characteristics.

aspect

n. one part or feature of a situation, problem, subject, etc.
synonym: characteristic, element, factor

(1) nontechnical **aspects** of the job, (2) **aspects** of social, political, and economic life

His professional experience includes all **aspects** of media production.

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?

diameter

n. the length of a straight line passing through the center of a circle and connecting two points on the circumference

synonym: diam, width

(1) **diameter** of an oval, (2) a particle **diameter**

Draw a circle five centimeters in **diameter**.

nervous

adj. worried and anxious about something; relating to the nerves

synonym: neural, anxious, uneasy

(1) development of the **nervous** system, (2) get **nervous**

He suffers from **nervous** breakdowns.

liquid

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

synonym: fluid

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

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

theoretical

adj. relating to the concepts and principles upon which a particular topic is founded, rather than practice and experience

synonym: conceptual, conjectural, ideal

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

Absolute zero is the lowest **theoretical** temperature.

muzzle

n. a device, typically made of metal or leather, that is designed to cover or restrain an animal's mouth to prevent biting or eating; a device or covering used to restrict or silence a person's speech

synonym : restraint, gag

(1) animal **muzzle**, (2) remove the **muzzle**

The aggressive dog was fitted with a tight **muzzle** to prevent potential harm.

flash

n. a sudden intense burst of radiant energy; a momentary brightness

synonym : sparkle, gleam, glimmer

(1) a **flash** of lightning, (2) brilliant **flash**

These heavy rains caused **flash** floods on several islands.

bullet

n. a metal projectile that is shot from a gun

synonym : projectile, slug, shot

(1) **bullet** wound, (2) **bullet** train

The stray **bullet** went through the window and hit the wall.

magnitude

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

synonym : size, extent, level

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

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

aid

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

synonym : helper, resource, assistance

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

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

threshold

n. the floor or ground that forms the bottom of a doorway and offers support when passing through a doorway; the

smallest detectable sensation

synonym : anteroom, brink, verge

(1) the **threshold** between rooms, (2) high pain **threshold**
She's on the **threshold** of adulthood.

disabled

adj. having a physical or mental condition that limits someone's specific actions that most other people can do

synonym : handicapped, impaired, incapacitated

(1) a **disabled** veteran, (2) a learning- **disabled** child
She was **disabled** in a car accident.

norm

n. something that is regarded as usual, typical, or standard

synonym : criterion, mean, standard

(1) **norm** of action, (2) cultural **norm**

The systems we have developed has accepted as industry **norms**.

conversation

n. an informal talk between two or more people to exchange their views, ideas, information, etc.

synonym : chat, discussion, dialogue

(1) **conversation** in English, (2) a friendly **conversation**
Your **conversation** reflects your thoughts.

degree

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

synonym : level, qualification, diploma

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

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

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**.

voluntary

adj. done of one's own free will; without being forced or coerced

synonym : voluntary, self-willed, spontaneous

(1) **voluntary** action, (2) **voluntary** participation

The program is **voluntary**, so participants can choose whether or not to take part.

loose

adj. not securely fixed or fastened in place or able to be detached or separated from something

synonym : relaxed, unconsolidated, open

(1) a **loose** tongue, (2) remove **loose** hair

The inspector discovered **loose** bolts under the fuel rods.

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**.

fan

n. a person who admires and supports a person, group, sport, sports team, etc.; a device for creating a current of air by the movement of a surface or surfaces

synonym : lover, devotee, blade

(1) a film **fan**, (2) engine cooling **fan**

I'm a big **fan** of French food.

yoga

n. a Hindu spiritual and ascetic discipline including breath control, simple meditation, and the adoption of specific bodily postures, which is widely practiced for health and relaxation

synonym : meditation, exercise, spiritual practice

(1) aerial **yoga**, (2) **yoga** teacher

Many people find that regular **yoga** practice can help reduce stress and anxiety.

prediction

n. the act of predicting the future by reasoning; a statement made about the future

synonym: forecast, anticipation, foretelling

(1) make my **predictions**, (2) gloomy **predictions**

These results muddied the **prediction**.

redesign

v. to design something again, especially in a different or modified form; (noun) the process of designing something again

synonym: revamp, rework, remodel

(1) **redesign** project, (2) **redesign** of lifestyle

The company is planning to **redesign** its website.

ultimate

adj. furthest or highest in degree or order

synonym: highest, maximum, foremost

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

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

titanic

adj. of or having a great size, power, or influence; of or relating to Titanium (= a light, strong grey, lustrous, corrosion-resistant metallic element)

synonym: colossal, massive, immense

(1) **titanic** battle, (2) **titanic** compound

The **titanic** ship sank on its maiden voyage.

remake

v. to create a new version of a work of art, such as a film, song, or play, using the same or similar material as the original; to adapt or update something for a new audience or purpose; (noun) a new version or adaptation of a previously existing movie, song, TV show, or other creative work

synonym: revamp, redo, reproduce

(1) video game **remake**, (2) **remake** song

The director plans to **remake** the classic movie with a modern twist.

vent

n. a small opening to escape or release gas, air, liquid, etc.; activity or process that frees or expresses strong creative energy or emotion

synonym : duct, outlet, venthole

(1) volcanic **vent**, (2) **vent** tube

He gave **vent** to his anger by playing the guitar.

blacksmith

n. a smith who forges and shapes iron with a hammer and anvil

(1) **blacksmith** welding, (2) **blacksmith** shop

The **blacksmith** shaped a horseshoe on his anvil.

reprogram

v. to modify or recreate a program

synonym : recreate, modify, revamp

(1) **reprogram** a device, (2) **reprogram** a database

He **reprogrammed** the computer's operating system to remove the safeguard.

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.

resistant

adj. not affected by something, especially changes or new ideas; of or relating to immunity to disease or infection

synonym : unsusceptible, immune, invulnerable

(1) penicillin- **resistant** bacteria, (2) **resistant** to persuasion

Insects in urban areas are becoming **resistant** to insecticides.

absorb

v. to take in a fluid or other substance gradually

synonym: consume, soak, ingest

(1) **absorb** energy, (2) **absorb** a shock

The sponge **absorbs** water well.

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.

efficient

adj. performing at the highest level of productivity with the least wasted effort or resources; capable of achieving maximum output with minimum wasted effort, time, or materials

synonym: productive, effective, competent

(1) **efficient** operation, (2) energy- **efficient** appliances

The new washing machine is much more **efficient** than the old one.

filter

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

synonym: strainer

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

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

church

n. a building or institution dedicated to religious worship or activities; a Christian religious organization or denomination

synonym: chapel, cathedral, synagogue

(1) **church** bell, (2) small **church**

The **church** on the corner is hosting a free community meal tonight.

insert

v. to put something inside something else

synonym: introduce, add, embed

(1) **insert** coin, (2) **insert** a graphic

She **inserted** a new chapter into her manuscript.

genome

n. the complete set or sequence of genes of a human, animal, plant, or other living things

(1) sequencing of the human **genome**, (2) **genome** analyses

The human **genome** contains approximately three billion chemical base pairs.

enhance

v. to increase or improve the quality, amount, or strength of someone or something

synonym: improve, enrich, refine

(1) **enhance** value, (2) **enhance** the flavor of the vanilla

The new strategy will **enhance** the profitability of our company.

dimension

n. a measurable extent of a particular kind, such as width, height, or length

synonym: extent, measurement, size

(1) new **dimension**, (2) the crosswise **dimension**

Overall **dimensions** are approximately 400x200mm.

genetics

n. the branch of biology that studies genes, genetic variation, and heredity in organisms

(1) the science of **genetics**, (2) **genetics** discrimination

He is a specialist in the **genetics** of aging.

virus

n. a tiny infectious organic material that causes disease in people, animals, and plants

synonym: bacterium, germ, ailment

(1) spread of the **virus**, (2) a strain of **virus**

An infected person in the hospital will likely pass the **virus** to others.

therapy

n. the act of caring for someone through medication, remedial training, etc.

synonym : antidote, medicine, treatment

(1) **therapy** for a patient, (2) field of gene **therapy**

I underwent aversion **therapy** for my addiction to alcohol.

hereditary

adj. passed down from one generation to another through inheritance

synonym : inherited, transmitted, genetic

(1) a **hereditary** disease, (2) **hereditary** property

A **hereditary** condition is a medical condition caused by a genetic mutation passed down from one's parents.

disease

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

synonym : illness, ailment, affliction

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

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

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**.

epigenetic

adj. relating to changes in gene expression that are not caused by alterations in the underlying DNA sequence but rather by modifications to the structure of DNA or proteins that regulate gene activity

synonym : environmental, hereditary, inherited

(1) **epigenetic** inheritance, (2) **epigenetic** markers

Epigenetic research has opened up new possibilities for the treatment of certain diseases.

stack

n. a pile of something arranged or laid one on top of another; a large tall chimney through which combustion gases and smoke can be evacuated

synonym : accumulation, heap, pile

(1) high **stack**, (2) a large **stack** of paper

The earthquake caused a **stack** of lumber to crumble noisily.

scared

adj. afraid or frightened

synonym : frightened, fearful, dreading

(1) **scared** all the time, (2) **scared** dog

I'm **scared** of insects.

scary

adj. causing fear or fright; frightening; intimidating

synonym : terrifying, frightening, alarming

(1) **scary** dream, (2) **scary** story

The horror movie was so **scary** that I couldn't watch it alone.

lord

n. a person who has general authority, control, or power over others; a man of noble rank or high office

synonym : master, noble, peer

(1) a young **lord**, (2) **lord** of castle

The feudal **lord** had ruled the land for many years.

astronomer

n. a physicist who studies astronomy

synonym : stargazer, cosmologist, astrophysicist

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

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

royal

adj. relating to or belonging to the king or queen or a member of their family

synonym : imperial, noble, aristocratic

(1) a **royal** palace, (2) prince **royal**

She is willing to give up her position in the **royal** family to marry him.

universe

n. everything that exists, especially all physical matter, including planets, stars, galaxies, and all other forms of

matter and energy

synonym : cosmos, macrocosm

(1) theory of the **universe**, (2) expansion of the **universe**
The **universe** is about 13.8 billion years old.

malevolent

adj. having or showing a desire to cause harm or evil to others

synonym : evil, malicious, wicked

(1) **malevolent** stars, (2) **malevolent** act

She had a **malevolent** intention to harm her enemy.

random

adj. made, done, or happening without method, conscious decision, or any regular pattern

synonym : incidental, arbitrary, unanticipated

(1) a **random** choice, (2) bombs fell at **random**

To find drunk drivers, police conduct **random** tests.

mercury

n. a heavy, silvery-white metal that is liquid at room temperature and is used in thermometers, electrical equipment, and other devices; (Mercury) the smallest planet and the nearest to the sun

synonym : quicksilver, hydrargyrum, Hg

(1) **mercury** poisoning, (2) **Mercury** Plan

The **mercury** in the thermometer had risen to the boiling point.

supernova

n. a powerful and luminous explosion that occurs in some stars, resulting in an extremely bright, short-lived object that later fades into a supernova remnant

synonym : explosion, detonation, blast

(1) extragalactic **supernova**, (2) **supernova** remnant

The **supernova** explosion created a bright new star in the night sky.

fortunate

adj. having good luck or lucky

synonym : fortuitous, lucky, blessed

(1) **fortunate** situation, (2) less **fortunate** person
He was pretty **fortunate** to pass the exam.

physicist

n. a scientist who specializes in the field of physics

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

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

upstream

adj. in the direction against a stream's current; (adverb) toward the source or beginning of a stream, river, or process

synonym: upriver, up-current

(1) swim **upstream**, (2) **upstream** direction

The company is investing heavily in **upstream** research and development.

eddy

n. a circular current of water or air that flows in the opposite direction to the main current, causing a small whirlpool; a current of opinion, activity, or trend that goes against the main current

synonym: whirlpool, vortex, swirl

(1) **eddy** of water, (2) **eddy** of leaves

Unfortunately, the swirling **eddy** in the river made it difficult to swim.

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.

torrent

n. a sudden and violent stream, as of water, lava, or mud

synonym: flood, deluge, downpour

(1) **torrent** of words, (2) stem a **torrent**

The rain fell in a **torrent**, flooding the streets in minutes.

entropy

n. a scientific concept that is most commonly associated with a state of disorder, randomness, or uncertainty

synonym : randomness

(1) **entropy** calculation, (2) **entropy** conservation

Since the second law of thermodynamics is applicable to the universe, the **entropy** of the universe continues to increase.

dissipate

v. to disperse or scatter widely

synonym : scatter, disperse, evaporate

(1) **dissipate** heat, (2) **dissipate** stress

The fog **dissipated**, and the air cleared up.

disappear

v. to cease to exist or be visible

synonym : fade, evaporate, vanish

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

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

shift

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

synonym : transition, change, modification

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

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

asteroid

n. a small rocky body orbiting the sun, typically in the region between Mars and Jupiter

synonym : minor planet, planetoid, rocky planetesimal

(1) **asteroid** mining, (2) **asteroid** explorer

Scientists are studying the composition and origins of the **asteroid** belt to understand the early solar system better.

volcano

n. a mountain or hill, typically conical, having a crater or vent through which lava, rock fragments, hot vapor, and gas are or have been erupted from the earth's crust.

synonym : mount, peak, crater

(1) **volcano** alert level, (2) active **volcano**

The island was formed by a **volcano** millions of years ago.

flare

v. to burn brightly with a sudden, intense burst of flame or light; (noun) a sudden and brief burst of bright flame or light; a sudden and intense burst of radiation from the Sun's surface

synonym : blaze, ignite, light up

(1) **flare** up into a major crisis, (2) the **flare** of a match
The Sun **flared** and caused a sudden brightening in the sky.

extinction

n. the complete disappearance of a species from the earth

synonym : disappearance, eradication, annihilation

(1) **extinction** prevention, (2) brink of **extinction**

The **extinction** of the dinosaurs is thought to have been caused by an asteroid impact.

elect

v. to choose someone for a specific position by voting for them; to decide or choose to do something

synonym : select, choose, prefer

(1) **elect** the school board, (2) **elect** death

Every five years, the provincial governors are **elected**.

periodic

adj. happening at regular intervals over a while

synonym : regular, frequent, recurring

(1) the **periodic** blooming of the cherry-blossom,

(2) **periodic** payments

Astronomers are examining whether the **periodic** signals emanating from this star are artificial.

extinct

adj. no longer in existence

synonym : dead, obsolete, abolished

(1) **extinct** by human activity, (2) long- **extinct** volcano

Many species have become **extinct** due to habitat destruction and other human activities.

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**.

moral

adj. concerned with the principles of what is right and wrong, fairness, honesty, etc.

synonym: honest, ethical, conscientious

(1) **moral** hazard, (2) **moral** burden

Ethics deals with **moral** conduct.

imperative

adj. very important or requiring attention or action

synonym: compulsory, binding, critical

(1) moral **imperative**, (2) **imperative** need

It is **imperative** for politicians to be effective communicators.

diversify

v. to make something include more different types or things; to spread out activities or investments

synonym: branch out, expand, broaden

(1) **diversify** my portfolio, (2) **diversify** energy sources

This inclusive environment has allowed the plant species to **diversify**.

mar

v. to damage or spoil the appearance or surface of something

synonym: damage, deface, disfigure

(1) **mar** a proper relationship, (2) **mar** the reputation

The scratches on the car **marred** its otherwise perfect appearance.

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.

cascade

n. a small waterfall or series of small waterfalls; a succession of stages or operations or processes or units

synonym : waterfall, watercourse, step

(1) **cascade** connection, (2) transistor **cascade**

The **cascade** of waterfalls in the national park was a breathtaking sight.

trillion

n. the number 1,000,000,000,000; a million million

(1) **trillion** cubic feet, (2) many **trillions** of dollars

One light year is nearly 6 **trillion** miles.

gravity

n. the force that attracts a body towards the center of the earth or towards any other physical body having mass; a manner that is solemn

synonym : heaviness, attraction, weight

(1) the attraction of **gravity**, (2) preserve my **gravity**

The astronaut felt weightless in space due to the absence of **gravity**.

substantially

adv. to a great extent or degree

synonym : considerably, essentially, largely

(1) the price went up **substantially**, (2) the house was **substantially** built

The proportion of female engineers has **substantially** increased.

expose

v. to show something by uncovering it; to make something accessible to some action or influence

synonym : disclose, reveal, uncover

(1) **expose** a crime, (2) **expose** a person to risks

That newspaper **exposed** a political scandal in a big way.

Jovian

adj. relating to Jupiter or its characteristics

synonym : Jupiter, giant planet

(1) **Jovian** satellites, (2) **Jovian** planet

The **Jovian** moon Europa is believed to have an ocean

beneath its icy surface.

tuck

v. to push a stray piece of clothing or material into a particular area or position, especially to make it more orderly or comfortable

synonym: insert, wrap, pinch

(1) **tuck** a baby in the blanket, (2) **tuck** into another cigarette

You should **tuck** your shirt into your trousers.

medical

adj. relating to the treatment of illness or injuries; relating to the practice of medicine

synonym: health, disease, treatment

(1) a **medical** opinion, (2) temporary **medical** treatment

The **medical** team worked quickly to save the patient's life.

odd

adj. strange or unexpected; not divisible by two

synonym: strange, bizarre, abnormal

(1) in an **odd** way, (2) **odd** behavior

His grandfather was an **odd** man.

hormone

n. a chemical substance made by organs that encourages or influences the development, growth, sex, etc., of an animal and is carried around the body in the blood

(1) **hormone** secretion, (2) female **hormone**

The doctor diagnosed me with a **hormone** disorder.

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**.

solar

adj. of, from, or relating to the sun

(1) the **solar** system, (2) a **solar** eclipse

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

splice

v. to join or connect two or more pieces or lengths of something, especially by twisting or interweaving them; to get married

synonym : join, connect, unite

(1) **splice** a gene, (2) **splice** the old and new sections

I need to **splice** these two wires together to complete the circuit.

radiology

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

synonym : medical imaging, radiography, radioscopy

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

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

exposure

n. the state of being in a particular situation or place where there is no protection from or guarantee to something harmful; the disclosure of something secret

synonym : vulnerability, disclosure, uncovering

(1) a southern **exposure**, (2) the **exposure** of a fraud

The long **exposure** to the air tarnished the antique tableware.

lung

n. either of the two organs in the chest that people and some animals use for breathing

(1) **lung** capacity, (2) do **lung** transplantation

He has terminal **lung** cancer.

radical

adj. relating to the essential aspects of anything; far beyond the norm, mainly used of opinions and actions

synonym : extreme, revolutionary

(1) a **radical** flaw in the plan, (2) a **radical** cure

The government established by the coup was more **radical** than before.

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**.

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.

voyage

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

synonym : journey, trip, excursion

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

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

sunset

n. the time in the evening at which the sun begins to fall below the horizon; (verb) to expire or be terminated automatically at the end of a fixed period

synonym : evening, sundown, dusk

(1) **sunset** this function, (2) spectacular **sunset** views

He is in the **sunset** of his life.

timescale

n. a period or interval of time, particularly one used as a standard for measuring or comparing other periods of time; a reference point or benchmark for the duration or length of a particular event or process

synonym : time frame, schedule, duration

(1) long- **timescale**, (2) realistic **timescale**

The **timescale** for completing the construction project is three years.

recognizable

adj. easy to become aware of or identify

synonym :

noticeable, perceptible, definite

(1) to a **recognizable** degree, (2) **recognizable** landmark
His car was easily **recognizable** in the parking lot.

glimpse

n. a brief or partial view; the act of seeing something or someone for a very short time or only partly

synonym : glance, peek, sighting

(1) a momentary **glimpse**, (2) passing **glimpse**

Our team caught a **glimpse** of the world-class technique in this game.

instrument

n. an object used to make musical sounds, such as a piano, guitar, or drum; a tool or device used for a specific activity, particularly in specialist or scientific work

synonym : apparatus, tool, device

(1) musical **instruments**, (2) surgical **instruments**

This electronic **instrument** is required to undergo periodic inspections to ensure precision.

chemistry

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

(1) professor of **chemistry**, (2) the **chemistry** of soil

He is familiar with **chemistry** and biology.

cow

n. a domesticated mammal with characteristic features such as a hump, large udders, and curved horns that is raised for its milk or meat

synonym : bovine, cattle, kine

(1) **cow** herd, (2) dairy **cow**

The farmer milked the **cows** every morning before breakfast.

parallel

adj. being everywhere equidistant and not intersecting; of or relating to the simultaneous performance of multiple operations

synonym : aligned, side-by-side, similar

(1) a **parallel** case, (2) **parallel** processing
He walked a road **parallel** to the railroad.

reproduce

v. to make a copy of something such as a picture, piece of text, music, etc.; to produce offspring through a sexual or asexual process

synonym: duplicate, breed, imitate

(1) **reproduce** the painting, (2) **reproduce** by myself
By dividing and creating copies of themselves, bacteria **reproduce**.

immune

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

synonym: resistant, unsusceptible, unaffected

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

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

alternate

adj. occurring or existing one after the other regularly

synonym: substitute, back up, equivalent

(1) **alternate** choice, (2) every **alternate** year

The cleaning lady comes on **alternate** Wednesdays.

adaptable

adj. able or willing to modify or be modified to deal with new situations

synonym: flexible, adjustable, elastic

(1) **adaptable** enough for the environment, (2) an **adaptable** person

We seek a candidate who possesses **adaptable** fighting potential.

experiment

n. the scientific test conducted to observe what happens and gain new knowledge

synonym: experimentation, investigation

(1) **experiment** design, (2) series of **experiments**
His **experiments** showed highly positive results.

implication

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

synonym: suggestion, association, conclusion

(1) the **implication** in a crime, (2) the **implication** of a word
His poem has a very significant **implication**.

amino

n. compounds and functional groups that contain a basic nitrogen atom with a lone pair (NH₂) that combine to make protein

(1) **amino** compound, (2) **amino** acid

This company was granted a patent for its **amino** resin manufacturing process.

acid

n. sour; water-soluble chemicals with a sour flavor; any of a variety of generally liquid compounds capable of reacting with and occasionally dissolving other materials

synonym: sour

(1) an **acid** reaction, (2) good source of essential amino **acids**

During pregnancy, the stomach generates less **acid** than usual.

substitute

n. a person or thing acting or serving instead of another one; (verb) to act as a something or someone instead of another one

synonym: alternate, replacement, reserve

(1) **substitute** coffee, (2) **substitute** teacher

I **substitute** skim milk for regular milk because we are on a strict diet.

life-form

n. a living organism, especially one that has a distinct shape, structure, or behavior

synonym: organism, species, living organism

(1) **life-form** discovery, (2) a minute **life-form**

Scientists are searching for signs of **life-form** on other planets.

weird

adj. extraordinary, unexpected, or difficult to explain

synonym : bizarre, creepy, peculiar

(1) a **weird** dress, (2) the state of being **weird**

My computer has been acting **weird** recently.

transplant

v. to move or transfer something from one place or person to another; to take living tissue or an organ from one person, animal, part of the body, etc. and put it into or onto another

synonym : relocate, emigrate, graft

(1) **transplant** a heart, (2) **transplant** my family to America

He tried to **transplant** the seedling into a larger pot.

donor

n. a person or an organization that makes a gift of money, food, supplies, etc. to a cause or fund; in medicine, a person who gives blood or tissue or an organ to be used in another person

synonym : contributor, patron, supporter

(1) a transfusion of **donor** blood, (2) an unnamed **donor**

His body rejected the liver of the **donor**.

recognize

v. to acknowledge or realize something or someone; to identify, remember, or become aware of something that was previously known or encountered

synonym : acknowledge, identify, admit

(1) **recognize** talent, (2) **recognize** achievement

It's important to **recognize** your strengths and weaknesses.

emotion

n. a strong feeling such as love, anger, etc. deriving from one's situation, mood, or relationships with others

synonym : feeling, sentiment, passion

(1) control my **emotion**, (2) afraid to show **emotion**

Some **emotions** are common across cultures and backgrounds.

outcome

n. the result or effect of an action, event, etc.

synonym : result, consequence, effect

(1) improved student **outcomes**, (2) a desirable **outcome**

They awaited news of the **outcome** of the election.

functional

adj. designed for or capable of a particular activity, purpose, or task; practical or ready for use or service

synonym : applicable, practical, usable

(1) field of **functional** medicine, (2) **functional** deafness

The mobile phone was still **functional** even after being dropped.

blank

adj. without any writing or printing; empty or devoid of ideas, information, or meaning; unable to remember or recall information

synonym : empty, void, barren

(1) **blank** expression, (2) **blank** paper

The computer screen displayed nothing but a **blank** white screen

slate

n. a flat piece of rock or stone that is typically used as a roofing or flooring material; a list of candidates for an election arranged in a specific order

synonym : chalkboard, blackboard, tablet

(1) **slate** tile, (2) **slate** roof

We need to add more names to the **slate** of candidates for the upcoming election.

navigate

v. to plan and direct the way that a ship, plane, etc. will travel, often by using a map

synonym : guide, helm, voyage

(1) **navigate** the Pacific, (2) **navigate** through a document

Our knowledge helps **navigate** our clients successfully.

maze

n. a complex network of winding passages or pathways designed as a puzzle or challenge for people to navigate through

synonym : labyrinth, puzzle, network

(1) puzzle **maze**, (2) labyrinth **maze**

We got lost in the **maze** of streets while exploring the city.

conscious

adj. being aware of and able to respond to what is happening around you

synonym : aware, cognizant, deliberate

(1) **conscious** effort, (2) **conscious** of having succeeded

He became **conscious** that he was being followed.

selfie

n. a photograph that one has taken of oneself, typically one taken with a smartphone or webcam to share on social media

synonym : self-portrait, self-photo, self-snap

(1) **selfie** stick, (2) pose for a **selfie**

She took a **selfie** in front of the famous tower and shared it on the app.

eventually

adv. finally, particularly after a long time or a lot of struggle, complications, and so on

synonym : finally, someday, ultimately

(1) **eventually** become obsolete, (2) **eventually** succeed

The corporation **eventually** dominated the entire tobacco business.

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.

ethical

adj. of or relating to principles about what is right and wrong, or the branch of knowledge dealing with these

synonym : honorable, moral, virtuous

(1) an **ethical** doctrine, (2) shoulder **ethical** responsibility

The president must have the highest **ethical** standards.

grandchild

n. a child of someone's son or daughter

synonym: offspring, descendant, progeny

(1) **grandchild-grandparent** relationship, (2) **grandchild** development

The grandparents take care of their **grandchild** while the parents are at work.

Session 2: Spelling

- | | |
|------------------------------------|---|
| 1. moral imp_____ve | <i>adj.</i> very important or requiring attention or action |
| 2. lack of ox____n | <i>n.</i> the chemical element with the symbol O that is present in air and water and is necessary for people, animals, and plants to live |
| 3. do l__g transplantation | <i>n.</i> either of the two organs in the chest that people and some animals use for breathing |
| 4. country-by-country a_d programs | <i>n.</i> things sent to help countries in need, notably food or money; support |
| 5. musical ins_____nts | <i>n.</i> an object used to make musical sounds, such as a piano, guitar, or drum; a tool or device used for a specific activity, particularly in specialist or scientific work |
| 6. Jo____n planet | <i>adj.</i> relating to Jupiter or its characteristics |
| 7. the crosswise di_____on | <i>n.</i> a measurable extent of a particular kind, such as width, height, or length |
| 8. cultural n__m | <i>n.</i> something that is regarded as usual, typical, or standard |
| 9. sequencing of the human ge____e | <i>n.</i> the complete set or sequence of genes of a human, animal, plant, or other living things |
| 10. n__m of action | <i>n.</i> something that is regarded as usual, typical, or standard |

ANSWERS: 1. imperative, 2. oxygen, 3. lung, 4. aid, 5. instrument, 6. Jovian, 7. dimension, 8. norm, 9. genome, 10. norm

11. as____id mining *n.* a small rocky body orbiting the sun, typically in the region between Mars and Jupiter
12. puzzle m__e *n.* a complex network of winding passages or pathways designed as a puzzle or challenge for people to navigate through
13. sub_____te coffee *n.* a person or thing acting or serving instead of another one; (verb) to act as a something or someone instead of another one
14. afraid to show em____n *n.* a strong feeling such as love, anger, etc. deriving from one's situation, mood, or relationships with others
15. exp_____nt design *n.* the scientific test conducted to observe what happens and gain new knowledge
16. bachelor's de___e *n.* a unit of measurement for angles, temperature, or level of proficiency or achievement; a rank or level of academic or professional attainment
17. a large st__k of paper *n.* a pile of something arranged or laid one on top of another; a large tall chimney through which combustion gases and smoke can be evacuated
18. control my em____n *n.* a strong feeling such as love, anger, etc. deriving from one's situation, mood, or relationships with others
19. mo___n poetry *adj.* of or belonging to the present time or recent times

ANSWERS: 11. asteroid, 12. maze, 13. substitute, 14. emotion, 15. experiment, 16. degree, 17. stack, 18. emotion, 19. modern

20. the ul____te luxury *adj.* furthest or highest in degree or order
21. su____e a plane crash *v.* to live or exist despite a dangerous event or period
22. a desirable ou____e *n.* the result or effect of an action, event, etc.
23. ab____b a shock *v.* to take in a fluid or other substance gradually
24. surgical ins____nts *n.* an object used to make musical sounds, such as a piano, guitar, or drum; a tool or device used for a specific activity, particularly in specialist or scientific work
25. a me____l opinion *adj.* relating to the treatment of illness or injuries; relating to the practice of medicine
26. ex____t by human activity *adj.* no longer in existence
27. a learning-di____ed child *adj.* having a physical or mental condition that limits someone's specific actions that most other people can do
28. c_w herd *n.* a domesticated mammal with characteristic features such as a hump, large udders, and curved horns that is raised for its milk or meat
29. pathogenic ba____ia *n.* single-celled or noncellular spherical or spiral or rod-shaped organisms that exist in large numbers in the air, water, and soil, and also in living and dead creatures and plants, and are often a cause of disease

ANSWERS: 20. ultimate, 21. survive, 22. outcome, 23. absorb, 24. instrument, 25. medical, 26. extinct, 27. disabled, 28. cow, 29. bacteria

30. re__t against his way of thinking *v.* to take action in response to something
31. di_____fy my portfolio *v.* to make something include more different types or things; to spread out activities or investments
32. a di_____ed veteran *adj.* having a physical or mental condition that limits someone's specific actions that most other people can do
33. bl__k paper *adj.* without any writing or printing; empty or devoid of ideas, information, or meaning; unable to remember or recall information
34. the state of being we__d *adj.* extraordinary, unexpected, or difficult to explain
35. e__y of water *n.* a circular current of water or air that flows in the opposite direction to the main current, causing a small whirlpool; a current of opinion, activity, or trend that goes against the main current
36. vo_____o alert level *n.* a mountain or hill, typically conical, having a crater or vent through which lava, rock fragments, hot vapor, and gas are or have been erupted from the earth's crust.
37. ti_____c compound *adj.* of or having a great size, power, or influence; of or relating to Titanium (= a light, strong grey, lustrous, corrosion-resistant metallic element)
38. high pain th_____ld *n.* the floor or ground that forms the bottom of a doorway and offers support when passing through a doorway; the smallest detectable sensation

ANSWERS: 30. react, 31. diversify, 32. disabled, 33. blank, 34. weird, 35. eddy, 36. volcano, 37. titanic, 38. threshold

39. re_____ze achievement *v.* to acknowledge or realize something or someone; to identify, remember, or become aware of something that was previously known or encountered
40. 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
41. ge____e analyses *n.* the complete set or sequence of genes of a human, animal, plant, or other living things
42. a so__r eclipse *adj.* of, from, or relating to the sun
43. tra_____nt my family to America *v.* to move or transfer something from one place or person to another; to take living tissue or an organ from one person, animal, part of the body, etc. and put it into or onto another
44. epi_____ic markers *adj.* relating to changes in gene expression that are not caused by alterations in the underlying DNA sequence but rather by modifications to the structure of DNA or proteins that regulate gene activity
45. sy_____ic economy *adj.* involving two varieties of animal or plant, each of which supplies the conditions for the other to exist
46. make my pre_____ons *n.* the act of predicting the future by reasoning; a statement made about the future
47. en_____e the flavor of the vanilla *v.* to increase or improve the quality, amount, or strength of someone or something

ANSWERS: 39. recognize, 40. modify, 41. genome, 42. solar, 43. transplant, 44. epigenetic, 45. symbiotic, 46. prediction, 47. enhance

48. a momentary gl_____e *n.* a brief or partial view; the act of seeing something or someone for a very short time or only partly
49. sp____e the old and new sections *v.* to join or connect two or more pieces or lengths of something, especially by twisting or interweaving them; to get married
50. am__o compound *n.* compounds and functional groups that contain a basic nitrogen atom with a lone pair (NH₂) that combine to make protein
51. realistic ti_____le *n.* a period or interval of time, particularly one used as a standard for measuring or comparing other periods of time; a reference point or benchmark for the duration or length of a particular event or process
52. tra_____nt a heart *v.* to move or transfer something from one place or person to another; to take living tissue or an organ from one person, animal, part of the body, etc. and put it into or onto another
53. di_____ar after a week *v.* to cease to exist or be visible
54. the ma_____de of the disaster *n.* the extent, level, importance, or amount of something
55. many tr_____ons of dollars *n.* the number 1,000,000,000,000; a million million
56. be____g to different species *v.* to be the property of someone or something; to be a member or part of a group; to be in the proper or appropriate place

ANSWERS: 48. glimpse, 49. splice, 50. amino, 51. timescale, 52. transplant, 53. disappear, 54. magnitude, 55. trillion, 56. belong

57. a fl__h of lightning *n.* a sudden intense burst of radiant energy; a momentary brightness
58. 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
59. cl__f diving *n.* a steep rock face, especially one at the edge of the sea or a river
60. a ra_____l cure *adj.* relating to the essential aspects of anything; far beyond the norm, mainly used of opinions and actions
61. di_____fy energy sources *v.* to make something include more different types or things; to spread out activities or investments
62. hazardous li___d *n.* a substance, such as water or oil that flows freely and is neither a solid nor a gas
63. 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
64. sl__e roof *n.* a flat piece of rock or stone that is typically used as a roofing or flooring material; a list of candidates for an election arranged in a specific order
65. fl__e up into a major crisis *v.* to burn brightly with a sudden, intense burst of flame or light; (noun) a sudden and brief burst of bright flame or light; a sudden and intense burst of radiation from the Sun's surface

ANSWERS: 57. flash, 58. planet, 59. cliff, 60. radical, 61. diversify, 62. liquid, 63. mechanism, 64. slate, 65. flare

66. di_____ar without a trace *v.* to cease to exist or be visible
67. a southern ex_____re *n.* the state of being in a particular situation or place where there is no protection from or guarantee to something harmful; the disclosure of something secret
68. ex_____e a crime *v.* to show something by uncovering it; to make something accessible to some action or influence
69. re_____am a device *v.* to modify or recreate a program
70. re_____gn of lifestyle *v.* to design something again, especially in a different or modified form; (noun) the process of designing something again
71. ex_____al factors *adj.* belonging to or situated outside of someone or something
72. brink of ext_____on *n.* the complete disappearance of a species from the earth
73. series of exp_____nts *n.* the scientific test conducted to observe what happens and gain new knowledge
74. a young l__d *n.* a person who has general authority, control, or power over others; a man of noble rank or high office
75. a lo__e tongue *adj.* not securely fixed or fastened in place or able to be detached or separated from something
76. interventional ra_____gy *n.* the branch of medicine that uses medical imaging technologies such as X-rays, CT scans, MRIs, and ultrasound to diagnose and treat diseases and injuries

ANSWERS: 66. disappear, 67. exposure, 68. expose, 69. reprogram, 70. redesign, 71. external, 72. extinction, 73. experiment, 74. lord, 75. loose, 76. radiology

77. a minute li_____rm
n. a living organism, especially one that has a distinct shape, structure, or behavior
78. fo_____te situation
adj. having good luck or lucky
79. ef_____nt operation
adj. performing at the highest level of productivity with the least wasted effort or resources; capable of achieving maximum output with minimum wasted effort, time, or materials
80. 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
81. sc__y dream
adj. causing fear or fright; frightening; intimidating
82. the con_____ce of an argument
n. the outcome of a particular action or event, especially relative to an individual
83. epi_____ic inheritance
adj. relating to changes in gene expression that are not caused by alterations in the underlying DNA sequence but rather by modifications to the structure of DNA or proteins that regulate gene activity
84. e__y of leaves
n. a circular current of water or air that flows in the opposite direction to the main current, causing a small whirlpool; a current of opinion, activity, or trend that goes against the main current

ANSWERS: 77. life-form, 78. fortunate, 79. efficient, 80. function, 81. scary, 82. consequence, 83. epigenetic, 84. eddy

85. re____on between cause and effect *n.* the way two persons or groups of people feel and act toward one another
86. the____al physicist *adj.* relating to the concepts and principles upon which a particular topic is founded, rather than practice and experience
87. historical co____t *n.* the circumstances, facts, or conditions that surround a particular event, situation, or statement and that give it meaning
88. co____us effort *adj.* being aware of and able to respond to what is happening around you
89. diagnostic ra____gy *n.* the branch of medicine that uses medical imaging technologies such as X-rays, CT scans, MRIs, and ultrasound to diagnose and treat diseases and injuries
90. tight f__t *n.* a hand with the fingers clenched tightly into the palm to form a hard rounded shape; an act of striking someone or something with the fist
91. an et____l doctrine *adj.* of or relating to principles about what is right and wrong, or the branch of knowledge dealing with these
92. pe____ic payments *adj.* happening at regular intervals over a while
93. every al____te year *adj.* occurring or existing one after the other regularly
94. 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

ANSWERS: 85. relation, 86. theoretical, 87. context, 88. conscious, 89. radiology, 90. fist, 91. ethical, 92. periodic, 93. alternate, 94. modify

95. re__t at a high temperature *v.* to take action in response to something
96. t__k into another cigarette *v.* to push a stray piece of clothing or material into a particular area or position, especially to make it more orderly or comfortable
97. long-ti_____le *n.* a period or interval of time, particularly one used as a standard for measuring or comparing other periods of time; a reference point or benchmark for the duration or length of a particular event or process
98. the cell of the im___e system *adj.* protected against a particular disease or toxin due to the presence of specific antibodies or sensitized white blood cells
99. pa_____er battery *n.* a small electronic device that is implanted in the chest to regulate the heartbeat of people with certain heart conditions; a person or thing that sets the pace or rhythm for others
100. bombs fell at ra___m *adj.* made, done, or happening without method, conscious decision, or any regular pattern
101. spread of the vi__s *n.* a tiny infectious organic material that causes disease in people, animals, and plants
102. a pa_____el case *adj.* being everywhere equidistant and not intersecting; of or relating to the simultaneous performance of multiple operations

ANSWERS: 95. react, 96. tuck, 97. timescale, 98. immune, 99. pacemaker, 100. random, 101. virus, 102. parallel

103. the ex_____re of a fraud *n.* the state of being in a particular situation or place where there is no protection from or guarantee to something harmful; the disclosure of something secret
104. theory of the un_____se *n.* everything that exists, especially all physical matter, including planets, stars, galaxies, and all other forms of matter and energy
105. field of fun_____al medicine *adj.* designed for or capable of a particular activity, purpose, or task; practical or ready for use or service
106. sc___d dog *adj.* afraid or frightened
107. legal co_____t *n.* the circumstances, facts, or conditions that surround a particular event, situation, or statement and that give it meaning
108. et___s of journalism *n.* a branch of philosophy that considers what is morally right and wrong conduct; a set of beliefs about what is morally right and wrong
109. to a rec_____ble degree *adj.* easy to become aware of or identify
110. raise a f__t *n.* a hand with the fingers clenched tightly into the palm to form a hard rounded shape; an act of striking someone or something with the fist
111. good source of essential amino a__ds *n.* sour; water-soluble chemicals with a sour flavor; any of a variety of generally liquid compounds capable of reacting with and occasionally dissolving other materials

ANSWERS: 103. exposure, 104. universe, 105. functional, 106. scared, 107. context, 108. ethics, 109. recognizable, 110. fist, 111. acid

112. a ra___m choice *adj.* made, done, or happening without method, conscious decision, or any regular pattern
113. re_____ce the painting *v.* to make a copy of something such as a picture, piece of text, music, etc.; to produce offspring through a sexual or asexual process
114. di_____te stress *v.* to disperse or scatter widely
115. vo_____ry participation *adj.* done of one's own free will; without being forced or coerced
116. basic br__n function *n.* the organ inside the head that is responsible for one's movement, thought, memory, and feeling
117. im___e from criminal prosecution *adj.* protected against a particular disease or toxin due to the presence of specific antibodies or sensitized white blood cells
118. colorless li___d *n.* a substance, such as water or oil that flows freely and is neither a solid nor a gas
119. sc__y story *adj.* causing fear or fright; frightening; intimidating
120. fun_____al deafness *adj.* designed for or capable of a particular activity, purpose, or task; practical or ready for use or service
121. re_____nt to persuasion *adj.* not affected by something, especially changes or new ideas; of or relating to immunity to disease or infection
122. harmless ba_____ia *n.* single-celled or noncellular spherical or spiral or rod-shaped organisms that exist in large numbers in the air, water, and soil, and also in living and dead creatures and plants, and are often a cause of disease

ANSWERS: 112. random, 113. reproduce, 114. dissipate, 115. voluntary, 116. brain, 117. immune, 118. liquid, 119. scary, 120. functional, 121. resistant, 122. bacteria

123. re_____ze talent *v.* to acknowledge or realize something or someone; to identify, remember, or become aware of something that was previously known or encountered
124. a we__d dress *adj.* extraordinary, unexpected, or difficult to explain
125. 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
126. a bold cl__f *n.* a steep rock face, especially one at the edge of the sea or a river
127. sl__e tile *n.* a flat piece of rock or stone that is typically used as a roofing or flooring material; a list of candidates for an election arranged in a specific order
128. to_____t of words *n.* a sudden and violent stream, as of water, lava, or mud
129. m_r the reputation *v.* to damage or spoil the appearance or surface of something
130. a ro__l palace *adj.* relating to or belonging to the king or queen or a member of their family
131. transistor ca_____e *n.* a small waterfall or series of small waterfalls; a succession of stages or operations or processes or units
132. abs_____ly obsessed with the girl *adv.* without restriction or limitation; completely or utterly
133. animal mu___e *n.* a device, typically made of metal or leather, that is designed to cover or restrain an animal's mouth to prevent biting or eating; a device or covering used to restrict or silence a person's speech

ANSWERS: 123. recognize, 124. weird, 125. radiation, 126. cliff, 127. slate, 128. torrent, 129. mar, 130. royal, 131. cascade, 132. absolutely, 133. muzzle

134. a star of the first ma_____de *n.* the extent, level, importance, or amount of something
135. sy_____ic bacteria *adj.* involving two varieties of animal or plant, each of which supplies the conditions for the other to exist
136. ext_____ary weather *adj.* exceptional, unexpected, very unusual; surpassing the ordinary or usual
137. ba_____om dance *n.* a large room for dancing
138. sp____e a gene *v.* to join or connect two or more pieces or lengths of something, especially by twisting or interweaving them; to get married
139. penicillin-re_____nt bacteria *adj.* not affected by something, especially changes or new ideas; of or relating to immunity to disease or infection
140. in an o_d way *adj.* strange or unexpected; not divisible by two
141. re_____ce by myself *v.* to make a copy of something such as a picture, piece of text, music, etc.; to produce offspring through a sexual or asexual process
142. bu____t train *n.* a metal projectile that is shot from a gun
143. take a vo____e *n.* a long journey, especially by sea or in space
144. as____ts of social, political, and economic life *n.* one part or feature of a situation, problem, subject, etc.
145. ch____h bell *n.* a building or institution dedicated to religious worship or activities; a Christian religious organization or denomination

ANSWERS: 134. magnitude, 135. symbiotic, 136. extraordinary, 137. ballroom, 138. splice, 139. resistant, 140. odd, 141. reproduce, 142. bullet, 143. voyage, 144. aspect, 145. church

146. talented ph_____st *n.* a scientist who specializes in the field of physics
147. re_____on of inclusion *n.* the way two persons or groups of people feel and act toward one another
148. have pro_____ic arms *adj.* of or relating to an artificial part of the body, such as a limb, a heart, or a breast implant
149. th_____y for a patient *n.* the act of caring for someone through medication, remedial training, etc.
150. t__k a baby in the blanket *v.* to push a stray piece of clothing or material into a particular area or position, especially to make it more orderly or comfortable
151. el__t death *v.* to choose someone for a specific position by voting for them; to decide or choose to do something
152. antibiotic-resistant g__m *n.* a very tiny living that causes the disease; a piece of something such as an organism, concept, etc., capable of growing into a new one or part of one
153. in___t a graphic *v.* to put something inside something else
154. extragalactic su_____va *n.* a powerful and luminous explosion that occurs in some stars, resulting in an extremely bright, short-lived object that later fades into a supernova remnant
155. the_____al models *adj.* relating to the concepts and principles upon which a particular topic is founded, rather than practice and experience

ANSWERS: 146. physicist, 147. relation, 148. prosthetic, 149. therapy, 150. tuck, 151. elect, 152. germ, 153. insert, 154. supernova, 155. theoretical

166. improved student ou____es *n.* the result or effect of an action, event, etc.
167. pose for a se____e *n.* a photograph that one has taken of oneself, typically one taken with a smartphone or webcam to share on social media
168. a ra____l flaw in the plan *adj.* relating to the essential aspects of anything; far beyond the norm, mainly used of opinions and actions
169. har____ed eggs *adj.* (person or style of writing) tough and unsentimental; (eggs) cooked until the yolk is solid
170. high st__k *n.* a pile of something arranged or laid one on top of another; a large tall chimney through which combustion gases and smoke can be evacuated
171. v__t tube *n.* a small opening to escape or release gas, air, liquid, etc.; activity or process that frees or expresses strong creative energy or emotion
172. major paradigm sh__t *n.* a slight transition in position, direction, or trend
173. fun____al education *adj.* forming an essential base or core from which everything else develops or is affected
174. be____g to a group *v.* to be the property of someone or something; to be a member or part of a group; to be in the proper or appropriate place

ANSWERS: 166. outcome, 167. selfie, 168. radical, 169. hard-boiled, 170. stack, 171. vent, 172. shift, 173. fundamental, 174. belong

175. professor of ch_____ry *n.* the branch of the natural sciences dealing with the composition of substances and their properties and reactions
176. a transfusion of do__r blood *n.* a person or an organization that makes a gift of money, food, supplies, etc. to a cause or fund; in medicine, a person who gives blood or tissue or an organ to be used in another person
177. na_____te through a document *v.* to plan and direct the way that a ship, plane, etc. will travel, often by using a map
178. swim up_____am *adj.* in the direction against a stream's current; (adverb) toward the source or beginning of a stream, river, or process
179. prince ro__l *adj.* relating to or belonging to the king or queen or a member of their family
180. di_____er of an oval *n.* the length of a straight line passing through the center of a circle and connecting two points on the circumference
181. an ad_____le person *adj.* able or willing to modify or be modified to deal with new situations
182. su__t this function *n.* the time in the evening at which the sun begins to fall below the horizon; (verb) to expire or be terminated automatically at the end of a fixed period
183. energy-ef_____nt appliances *adj.* performing at the highest level of productivity with the least wasted effort or resources; capable of achieving maximum output with minimum wasted effort, time, or materials

ANSWERS: 175. chemistry, 176. donor, 177. navigate, 178. upstream, 179. royal, 180. diameter, 181. adaptable, 182. sunset, 183. efficient

184. a particle di_____er *n.* the length of a straight line passing through the center of a circle and connecting two points on the circumference
185. 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
186. a strain of vi__s *n.* a tiny infectious organic material that causes disease in people, animals, and plants
187. ext_____ary ability *adj.* exceptional, unexpected, very unusual; surpassing the ordinary or usual
188. 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
189. long-ex_____t volcano *adj.* no longer in existence
190. labyrinth m__e *n.* a complex network of winding passages or pathways designed as a puzzle or challenge for people to navigate through
191. con_____ion in English *n.* an informal talk between two or more people to exchange their views, ideas, information, etc.
192. expansion of the un_____se *n.* everything that exists, especially all physical matter, including planets, stars, galaxies, and all other forms of matter and energy

ANSWERS: 184. diameter, 185. discovery, 186. virus, 187. extraordinary, 188. oxygen, 189. extinct, 190. maze, 191. conversation, 192. universe

193. a friendly con_____ion *n.* an informal talk between two or more people to exchange their views, ideas, information, etc.
194. hemoglobin met_____sm *n.* the set of chemical reactions in cells or organisms that are necessary for life-sustaining
195. spectacular su____t views *n.* the time in the evening at which the sun begins to fall below the horizon; (verb) to expire or be terminated automatically at the end of a fixed period
196. su_____va remnant *n.* a powerful and luminous explosion that occurs in some stars, resulting in an extremely bright, short-lived object that later fades into a supernova remnant
197. the science of ge_____cs *n.* the branch of biology that studies genes, genetic variation, and heredity in organisms
198. the house was sub_____lly built *adv.* to a great extent or degree
199. evolutionary bi_____y *n.* the scientific study of life and the natural processes of living things
200. passing gl_____e *n.* a brief or partial view; the act of seeing something or someone for a very short time or only partly
201. 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
202. bi____c exoskeleton *adj.* relating to or using technology or devices that enhance or replace biological functions, typically in a way that mimics or improves upon the original

ANSWERS: 193. conversation, 194. metabolism, 195. sunset, 196. supernova, 197. genetics, 198. substantially, 199. biology, 200. glimpse, 201. planet, 202. bionic

203. bla_____th shop *n.* a smith who forges and shapes iron with a hammer and anvil
204. am__o acid *n.* compounds and functional groups that contain a basic nitrogen atom with a lone pair (NH₂) that combine to make protein
205. the fl__e of a match *v.* to burn brightly with a sudden, intense burst of flame or light; (noun) a sudden and brief burst of bright flame or light; a sudden and intense burst of radiation from the Sun's surface
206. engine cooling f_n *n.* a person who admires and supports a person, group, sport, sports team, etc.; a device for creating a current of air by the movement of a surface or surfaces
207. gas fi___r *n.* any of several types of equipment or systems used to separate particles from liquids or gases or to remove specific forms of light
208. y__a teacher *n.* a Hindu spiritual and ascetic discipline including breath control, simple meditation, and the adoption of specific bodily postures, which is widely practiced for health and relaxation
209. brilliant fl__h *n.* a sudden intense burst of radiant energy; a momentary brightness
210. ev___e *v.* to develop gradually, or to cause the development of something or someone gradually
211. ev___e over the past decade *v.* to develop gradually, or to cause the development of something or someone gradually

ANSWERS: 203. blacksmith, 204. amino, 205. flare, 206. fan, 207. filter, 208. yoga, 209. flash, 210. evolve, 211. evolve

212. env_____nt affairs *n.* the natural world such as air, water, and land in which humans, animals, and plants live
213. me_____y poisoning *n.* a heavy, silvery-white metal that is liquid at room temperature and is used in thermometers, electrical equipment, and other devices; (Mercury) the smallest planet and the nearest to the sun
214. remove lo__e hair *adj.* not securely fixed or fastened in place or able to be detached or separated from something
215. su_____e a blizzard *v.* to live or exist despite a dangerous event or period
216. temporary me_____l treatment *adj.* relating to the treatment of illness or injuries; relating to the practice of medicine
217. a vo___e of discovery *n.* a long journey, especially by sea or in space
218. sub_____te teacher *n.* a person or thing acting or serving instead of another one; (verb) to act as a something or someone instead of another one
219. ti_____c battle *adj.* of or having a great size, power, or influence; of or relating to Titanium (= a light, strong grey, lustrous, corrosion-resistant metallic element)
220. di_____te heat *v.* to disperse or scatter widely
221. aerial y__a *n.* a Hindu spiritual and ascetic discipline including breath control, simple meditation, and the adoption of specific bodily postures, which is widely practiced for health and relaxation

ANSWERS: 212. environment, 213. mercury, 214. loose, 215. survive, 216. medical, 217. voyage, 218. substitute, 219. titanic, 220. dissipate, 221. yoga

222. de___e centigrade *n.* a unit of measurement for angles, temperature, or level of proficiency or achievement; a rank or level of academic or professional attainment
223. m_r a proper relationship *v.* to damage or spoil the appearance or surface of something
224. in_____te both businesses *v.* to combine one thing with another so that they form a whole or work together; to accept equal participation for members of all races and ethnic groups
225. permanent br__n damage *n.* the organ inside the head that is responsible for one's movement, thought, memory, and feeling
226. field of gene th_____y *n.* the act of caring for someone through medication, remedial training, etc.
227. the th_____ld between rooms *n.* the floor or ground that forms the bottom of a doorway and offers support when passing through a doorway; the smallest detectable sensation
228. re___e song *v.* to create a new version of a work of art, such as a film, song, or play, using the same or similar material as the original; to adapt or update something for a new audience or purpose; (noun) a new version or adaptation of a previously existing movie, song, TV show, or other creative work
229. pro_____ic limbs *adj.* of or relating to an artificial part of the body, such as a limb, a heart, or a breast implant

ANSWERS: 222. degree, 223. mar, 224. integrate, 225. brain, 226. therapy, 227. threshold, 228. remake, 229. prosthetic

230. female ho____e *n.* a chemical substance made by organs that encourages or influences the development, growth, sex, etc., of an animal and is carried around the body in the blood
231. ge____cs discrimination *n.* the branch of biology that studies genes, genetic variation, and heredity in organisms
232. bla____th welding *n.* a smith who forges and shapes iron with a hammer and anvil
233. en____y conservation *n.* a scientific concept that is most commonly associated with a state of disorder, randomness, or uncertainty
234. volcanic v__t *n.* a small opening to escape or release gas, air, liquid, etc.; activity or process that frees or expresses strong creative energy or emotion
235. gloomy pre____ons *n.* the act of predicting the future by reasoning; a statement made about the future
236. b_b on the surface of the water *v.* to move up and down quickly and repeatedly, often in a short, jerky motion; to cut, trim, or shorten hair, especially by repeatedly snipping with scissors; (noun) a hairstyle in which the hair is cut short and even all around, usually above the shoulders
237. 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

ANSWERS: 230. hormone, 231. genetics, 232. blacksmith, 233. entropy, 234. vent, 235. prediction, 236. bob, 237. radiation

238. her_____ry property *adj.* passed down from one generation to another through inheritance
239. re_____am a database *v.* to modify or recreate a program
240. solar ast_____er *n.* a physicist who studies astronomy
241. ad__t as needed *v.* to make fit for or change to suit a new purpose or environment
242. new di_____on *n.* a measurable extent of a particular kind, such as width, height, or length
243. learn new co_____ts *n.* an idea or principle associated with something abstract
244. o_d behavior *adj.* strange or unexpected; not divisible by two
245. the so__r system *adj.* of, from, or relating to the sun
246. the pe_____ic blooming of the cherry-blossom *adj.* happening at regular intervals over a while
247. stem a to_____t *n.* a sudden and violent stream, as of water, lava, or mud
248. Doppler sh__t *n.* a slight transition in position, direction, or trend
249. a g__m-free environment *n.* a very tiny living that causes the disease; a piece of something such as an organism, concept, etc., capable of growing into a new one or part of one
250. shoulder et_____l responsibility *adj.* of or relating to principles about what is right and wrong, or the branch of knowledge dealing with these
251. Me_____y Plan *n.* a heavy, silvery-white metal that is liquid at room temperature and is used in thermometers, electrical equipment, and other devices; (Mercury) the smallest planet and the nearest to the sun

ANSWERS: 238. hereditary, 239. reprogram, 240. astronomer, 241. adapt, 242. dimension, 243. concept, 244. odd, 245. solar, 246. periodic, 247. torrent, 248. shift,

249. germ, 250. ethical, 251. mercury

252. al_____te choice *adj.* occurring or existing one after the other regularly
253. abs_____ly against *adv.* without restriction or limitation; completely or utterly
254. development of the ne_____s system *adj.* worried and anxious about something; relating to the nerves
255. ad_____le enough for the environment *adj.* able or willing to modify or be modified to deal with new situations
256. di_____e control *n.* a disorder or illness that affects the body or mind, often characterized by specific symptoms or abnormal functioning of organs or systems
257. implanted pa_____er *n.* a small electronic device that is implanted in the chest to regulate the heartbeat of people with certain heart conditions; a person or thing that sets the pace or rhythm for others
258. co_____t car *n.* an idea or principle associated with something abstract
259. bl__k expression *adj.* without any writing or printing; empty or devoid of ideas, information, or meaning; unable to remember or recall information
260. the price went up sub_____lly *adv.* to a great extent or degree
261. video game re___e *v.* to create a new version of a work of art, such as a film, song, or play, using the same or similar material as the original; to adapt or update something for a new audience or purpose; (noun) a new version or adaptation of a previously existing movie, song, TV show, or other creative work

ANSWERS: 252. alternate, 253. absolutely, 254. nervous, 255. adaptable, 256. disease, 257. pacemaker, 258. concept, 259. blank, 260. substantially, 261. remake

262. clogged fi___r *n.* any of several types of equipment or systems used to separate particles from liquids or gases or to remove specific forms of light
263. 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
264. the ch_____ry of soil *n.* the branch of the natural sciences dealing with the composition of substances and their properties and reactions
265. se___e stick *n.* a photograph that one has taken of oneself, typically one taken with a smartphone or webcam to share on social media
266. na_____te the Pacific *v.* to plan and direct the way that a ship, plane, etc. will travel, often by using a map
267. a her_____ry disease *adj.* passed down from one generation to another through inheritance
268. dairy c_w *n.* a domesticated mammal with characteristic features such as a hump, large udders, and curved horns that is raised for its milk or meat
269. li_____rm discovery *n.* a living organism, especially one that has a distinct shape, structure, or behavior
270. s__t and tie restaurant *n.* a set of clothes that are made from the same material; a claim or complaint that a person or organization can file in court against another party; (verb) to be fit or acceptable for

ANSWERS: 262. filter, 263. mechanism, 264. chemistry, 265. selfie, 266. navigate, 267. hereditary, 268. cow, 269. life-form, 270. suit

271. preserve my gr____y *n.* the force that attracts a body towards the center of the earth or towards any other physical body having mass; a manner that is solemn
272. rec_____ble landmark *adj.* easy to become aware of or identify
273. the imp_____on in a crime *n.* something that is inferred or indirectly stated; the act or fact of being involved in something
274. active vo_____o *n.* a mountain or hill, typically conical, having a crater or vent through which lava, rock fragments, hot vapor, and gas are or have been erupted from the earth's crust.
275. gra_____ld development *n.* a child of someone's son or daughter
276. ab____b energy *v.* to take in a fluid or other substance gradually
277. as_____id explorer *n.* a small rocky body orbiting the sun, typically in the region between Mars and Jupiter
278. imp_____ve need *adj.* very important or requiring attention or action
279. nontechnical as____ts of the job *n.* one part or feature of a situation, problem, subject, etc.
280. bi____c technology *adj.* relating to or using technology or devices that enhance or replace biological functions, typically in a way that mimics or improves upon the original

ANSWERS: 271. gravity, 272. recognizable, 273. implication, 274. volcano, 275. grandchild, 276. absorb, 277. asteroid, 278. imperative, 279. aspect, 280. bionic

281. en____y calculation *n.* a scientific concept that is most commonly associated with a state of disorder, randomness, or uncertainty
282. sc____d all the time *adj.* afraid or frightened
283. tr____on cubic feet *n.* the number 1,000,000,000,000; a million million
284. pa____el processing *adj.* being everywhere equidistant and not intersecting; of or relating to the simultaneous performance of multiple operations
285. ext____on prevention *n.* the complete disappearance of a species from the earth
286. amateur ast____er *n.* a physicist who studies astronomy
287. cell and molecular bi____y *n.* the scientific study of life and the natural processes of living things
288. small ch____h *n.* a building or institution dedicated to religious worship or activities; a Christian religious organization or denomination
289. el__t the school board *v.* to choose someone for a specific position by voting for them; to decide or choose to do something
290. western phi____hy *n.* the study of general and fundamental questions, such as those about existence, reason, knowledge, values, mind
291. the imp____on of a word *n.* something that is inferred or indirectly stated; the act or fact of being involved in something

ANSWERS: 281. entropy, 282. scared, 283. trillion, 284. parallel, 285. extinction, 286. astronomer, 287. biology, 288. church, 289. elect, 290. philosophy, 291. implication

292. ad__t fully to the environment	<i>v.</i>	to make fit for or change to suit a new purpose or environment
293. mo__l hazard	<i>adj.</i>	concerned with the principles of what is right and wrong, fairness, honesty, etc.
294. unintended con_____ces	<i>n.</i>	the outcome of a particular action or event, especially relative to an individual
295. vo_____ry action	<i>adj.</i>	done of one's own free will; without being forced or coerced
296. l__d of castle	<i>n.</i>	a person who has general authority, control, or power over others; a man of noble rank or high office
297. theoretical ph_____st	<i>n.</i>	a scientist who specializes in the field of physics
298. l__g capacity	<i>n.</i>	either of the two organs in the chest that people and some animals use for breathing
299. up_____am direction	<i>adj.</i>	in the direction against a stream's current; (adverb) toward the source or beginning of a stream, river, or process
300. s__t at law	<i>n.</i>	a set of clothes that are made from the same material; a claim or complaint that a person or organization can file in court against another party; (verb) to be fit or acceptable for
301. co_____us of having succeeded	<i>adj.</i>	being aware of and able to respond to what is happening around you
302. gra_____ld-grandparent relationship	<i>n.</i>	a child of someone's son or daughter

ANSWERS: 292. adapt, 293. moral, 294. consequence, 295. voluntary, 296. lord, 297. physicist, 298. lung, 299. upstream, 300. suit, 301. conscious, 302. grandchild

303. eve_____ly succeed *adv.* finally, particularly after a long time or a lot of struggle, complications, and so on
304. Jo____n satellites *adj.* relating to Jupiter or its characteristics
305. watch a ma_____on *n.* a long-distance race of 42.195 kilometers
306. 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
307. bu____t wound *n.* a metal projectile that is shot from a gun
308. b_b a quick curtsy *v.* to move up and down quickly and repeatedly, often in a short, jerky motion; to cut, trim, or shorten hair, especially by repeatedly snipping with scissors; (noun) a hairstyle in which the hair is cut short and even all around, usually above the shoulders
309. re_____gn project *v.* to design something again, especially in a different or modified form; (noun) the process of designing something again
310. phi_____hy of education *n.* the study of general and fundamental questions, such as those about existence, reason, knowledge, values, mind
311. ex____e a person to risks *v.* to show something by uncovering it; to make something accessible to some action or influence
312. the attraction of gr_____y *n.* the force that attracts a body towards the center of the earth or towards any other physical body having mass; a manner that is solemn

ANSWERS: 303. eventually, 304. Jovian, 305. marathon, 306. discovery, 307. bullet, 308. bob, 309. redesign, 310. philosophy, 311. expose, 312. gravity

313. ex_____e sports *adj.* very great in amount or degree
314. es_____al amino acid *adj.* indispensable; fundamental
315. met_____sm enzyme *n.* the set of chemical reactions in cells or organisms that are necessary for life-sustaining
316. di_____e prevention *n.* a disorder or illness that affects the body or mind, often characterized by specific symptoms or abnormal functioning of organs or systems
317. mal_____nt stars *adj.* having or showing a desire to cause harm or evil to others
318. mo__l burden *adj.* concerned with the principles of what is right and wrong, fairness, honesty, etc.
319. political et___s *n.* a branch of philosophy that considers what is morally right and wrong conduct; a set of beliefs about what is morally right and wrong
320. 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
321. eve_____ly become obsolete *adv.* finally, particularly after a long time or a lot of struggle, complications, and so on
322. less fo_____te person *adj.* having good luck or lucky

ANSWERS: 313. extreme, 314. essential, 315. metabolism, 316. disease, 317. malevolent, 318. moral, 319. ethics, 320. function, 321. eventually, 322. fortunate

323. ho_____e secretion *n.* a chemical substance made by organs that encourages or influences the development, growth, sex, etc., of an animal and is carried around the body in the blood
324. ex_____al commerce *adj.* belonging to or situated outside of someone or something
325. ba_____om floor *n.* a large room for dancing
326. in_____te into the existing system *v.* to combine one thing with another so that they form a whole or work together; to accept equal participation for members of all races and ethnic groups
327. remove the mu_____e *n.* a device, typically made of metal or leather, that is designed to cover or restrain an animal's mouth to prevent biting or eating; a device or covering used to restrict or silence a person's speech
328. fun_____al rights *adj.* forming an essential base or core from which everything else develops or is affected
329. financial a_d *n.* things sent to help countries in need, notably food or money; support
330. en_____e value *v.* to increase or improve the quality, amount, or strength of someone or something
331. mal_____nt act *adj.* having or showing a desire to cause harm or evil to others
332. es_____al commodities of life *adj.* indispensable; fundamental

ANSWERS: 323. hormone, 324. external, 325. ballroom, 326. integrate, 327. muzzle, 328. fundamental, 329. aid, 330. enhance, 331. malevolent, 332. essential

333. run a ma_____on

n. a long-distance race of 42.195 kilometers

334. pre-mo___n agricultural society

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

ANSWERS: 333. marathon, 334. modern

Session 3: Fill in the Blanks

1. The soldier was fitted with a _____ arm after losing him in combat.
adj. relating to or using technology or devices that enhance or replace biological functions, typically in a way that mimics or improves upon the original
2. The director plans to _____ the classic movie with a modern twist.
v. to create a new version of a work of art, such as a film, song, or play, using the same or similar material as the original; to adapt or update something for a new audience or purpose; (noun) a new version or adaptation of a previously existing movie, song, TV show, or other creative work
3. She was _____ in a car accident.
adj. having a physical or mental condition that limits someone's specific actions that most other people can do
4. He narrated the _____ story of his adventure.
adj. exceptional, unexpected, very unusual; surpassing the ordinary or usual
5. That newspaper _____ a political scandal in a big way.
v. to show something by uncovering it; to make something accessible to some action or influence
6. The proportion of female engineers has _____ increased.
adv. to a great extent or degree
7. When a company discloses information to the market, an _____ auditor verifies them.
adj. belonging to or situated outside of someone or something

ANSWERS: 1. bionic, 2. remake, 3. disabled, 4. extraordinary, 5. exposed, 6. substantially, 7. external

8. I underwent aversion _____ for my addiction to alcohol.
n. the act of caring for someone through medication, remedial training, etc.
9. My computer has been acting _____ recently.
adj. extraordinary, unexpected, or difficult to explain
10. Trial and error is an _____ part of education.
adj. indispensable; fundamental
11. The farmer milked the _____ every morning before breakfast.
n. a domesticated mammal with characteristic features such as a hump, large udders, and curved horns that is raised for its milk or meat
12. This scripture provides the code of _____ for the religion.
n. a branch of philosophy that considers what is morally right and wrong conduct; a set of beliefs about what is morally right and wrong
13. Could you help me _____ some furniture?
n. a slight transition in position, direction, or trend
14. I need to _____ these two wires together to complete the circuit.
v. to join or connect two or more pieces or lengths of something, especially by twisting or interweaving them; to get married
15. _____ panels have greatly improved not only in performance but also in durability.
adj. of, from, or relating to the sun
16. Overall _____ are approximately 400x200mm.
n. a measurable extent of a particular kind, such as width, height, or length

ANSWERS: 8. therapy, 9. weird, 10. essential, 11. cows, 12. ethics, 13. shift, 14. splice, 15. Solar, 16. dimensions

17. The industrial _____ laws were passed with little to no alteration.
n. the way two persons or groups of people feel and act toward one another
18. They watched the train _____ into the distance.
v. to cease to exist or be visible
19. She had a _____ intention to harm her enemy.
adj. having or showing a desire to cause harm or evil to others
20. 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
21. The _____ for completing the construction project is three years.
n. a period or interval of time, particularly one used as a standard for measuring or comparing other periods of time; a reference point or benchmark for the duration or length of a particular event or process
22. New _____ joints are less prone to metal poisoning.
adj. of or relating to an artificial part of the body, such as a limb, a heart, or a breast implant
23. We seek a candidate who possesses _____ fighting potential.
adj. able or willing to modify or be modified to deal with new situations
24. Scientists are studying the composition and origins of the _____ belt to understand the early solar system better.
n. a small rocky body orbiting the sun, typically in the region between Mars and Jupiter

ANSWERS: 17. relations, 18. disappear, 19. malevolent, 20. discovery, 21. timescale, 22. prosthetic, 23. adaptable, 24. asteroid

25. I advised him to _____ to his new surroundings.
v. to make fit for or change to suit a new purpose or environment
26. The cleaning lady comes on _____ Wednesdays.
adj. occurring or existing one after the other regularly
27. It's important to understand the _____ of a situation before making a decision.
n. the circumstances, facts, or conditions that surround a particular event, situation, or statement and that give it meaning
28. This electronic _____ is required to undergo periodic inspections to ensure precision.
n. an object used to make musical sounds, such as a piano, guitar, or drum; a tool or device used for a specific activity, particularly in specialist or scientific work
29. He tried to _____ the seedling into a larger pot.
v. to move or transfer something from one place or person to another; to take living tissue or an organ from one person, animal, part of the body, etc. and put it into or onto another
30. The aggressive dog was fitted with a tight _____ to prevent potential harm.
n. a device, typically made of metal or leather, that is designed to cover or restrain an animal's mouth to prevent biting or eating; a device or covering used to restrict or silence a person's speech
31. The stray _____ went through the window and hit the wall.
n. a metal projectile that is shot from a gun
32. 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: 25. adapt, 26. alternate, 27. context, 28. instrument, 29. transplant, 30.

muzzle, 31. bullet, 32. function

33. He was pretty _____ to pass the exam.

adj. having good luck or lucky

34. The systems we have developed has accepted as industry _____.

n. something that is regarded as usual, typical, or standard

35. The feudal _____ had ruled the land for many years.

n. a person who has general authority, control, or power over others; a man of noble rank or high office

36. He walked a road _____ to the railroad.

adj. being everywhere equidistant and not intersecting; of or relating to the simultaneous performance of multiple operations

37. 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

38. The _____ ship sank on its maiden voyage.

adj. of or having a great size, power, or influence; of or relating to Titanium (= a light, strong grey, lustrous, corrosion-resistant metallic element)

39. The fog _____ and the air cleared up.

v. to disperse or scatter widely

40. The _____ detective was known for his uncompromising attitude and quick thinking.

adj. (person or style of writing) tough and unsentimental; (eggs) cooked until the yolk is solid

ANSWERS: 33. fortunate, 34. norms, 35. lord, 36. parallel, 37. planet, 38. titanic, 39. dissipated, 40. hard-boiled

41. Human behavior has _____ characteristics.

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

42. He _____ the computer's operating system to remove the safeguard.

v. to modify or recreate a program

43. She received her _____ in psychology from the university.

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

44. I _____ skim milk for regular milk because we are on a strict diet.

n. a person or thing acting or serving instead of another one; (verb) to act as a something or someone instead of another one

45. One light year is nearly 6 _____ miles.

n. the number 1,000,000,000,000; a million million

46. All the books in this section _____ to the library's rare collection and must be handled carefully.

v. to be the property of someone or something; to be a member or part of a group; to be in the proper or appropriate place

47. Six _____ are awaiting trial or verdict.

n. a set of clothes that are made from the same material; a claim or complaint that a person or organization can file in court against another party; (verb) to be fit or acceptable for

48. Astronomers are examining whether the _____ signals emanating from this star are artificial.

adj. happening at regular intervals over a while

ANSWERS: 41. fundamental, 42. reprogrammed, 43. degree, 44. substitute, 45. trillion, 46. belong, 47. suits, 48. periodic

49. Insects in urban areas are becoming _____ to insecticides.

adj. not affected by something, especially changes or new ideas; of or relating to immunity to disease or infection

50. She _____ a new chapter into her manuscript.

v. to put something inside something else

51. Every five years, the provincial governors are _____.

v. to choose someone for a specific position by voting for them; to decide or choose to do something

52. His grandfather was an ____ man.

adj. strange or unexpected; not divisible by two

53. Some people with _____ may need to avoid certain activities or sources of electromagnetic interference.

n. a small electronic device that is implanted in the chest to regulate the heartbeat of people with certain heart conditions; a person or thing that sets the pace or rhythm for others

54. One such rapidly growing _____ is quantum cryptography.

n. an idea or principle associated with something abstract

55. His car was easily _____ in the parking lot.

adj. easy to become aware of or identify

56. 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

ANSWERS: 49. resistant, 50. inserted, 51. elected, 52. odd, 53. pacemakers, 54. concept, 55. recognizable, 56. mechanisms

57. The new washing machine is much more _____ than the old one.
adj. performing at the highest level of productivity with the least wasted effort or resources; capable of achieving maximum output with minimum wasted effort, time, or materials
58. 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
59. Your _____ reflects your thoughts.
n. an informal talk between two or more people to exchange their views, ideas, information, etc.
60. How did he _____ to your idea?
v. to take action in response to something
61. I'm a big ____ of French food.
n. a person who admires and supports a person, group, sport, sports team, etc.; a device for creating a current of air by the movement of a surface or surfaces
62. Many people find that regular _____ practice can help reduce stress and anxiety.
n. a Hindu spiritual and ascetic discipline including breath control, simple meditation, and the adoption of specific bodily postures, which is widely practiced for health and relaxation
63. The company is planning to _____ its website.
v. to design something again, especially in a different or modified form; (noun) the process of designing something again
64. The patient underwent a _____ scan to diagnose their medical condition.
n. the branch of medicine that uses medical imaging technologies such as X-rays, CT scans, MRIs, and ultrasound to diagnose and treat diseases and injuries

ANSWERS: 57. efficient, 58. modify, 59. conversation, 60. react, 61. fan, 62. yoga, 63. redesign, 64. radiology

65. The new strategy will _____ the profitability of our company.
- v.* to increase or improve the quality, amount, or strength of someone or something
66. The Sun _____ and caused a sudden brightening in the sky.
- v.* to burn brightly with a sudden, intense burst of flame or light; (noun) a sudden and brief burst of bright flame or light; a sudden and intense burst of radiation from the Sun's surface
67. His body rejected the liver of the _____.
- n.* a person or an organization that makes a gift of money, food, supplies, etc. to a cause or fund; in medicine, a person who gives blood or tissue or an organ to be used in another person
68. Scientists are searching for signs of _____ on other planets.
- n.* a living organism, especially one that has a distinct shape, structure, or behavior
69. Many species have become _____ due to habitat destruction and other human activities.
- adj.* no longer in existence
70. Ozone is a primary _____ to protect Earth's surface from harmful UV rays.
- n.* any of several types of equipment or systems used to separate particles from liquids or gases or to remove specific forms of light
71. This company was granted a patent for its _____ resin manufacturing process.
- n.* compounds and functional groups that contain a basic nitrogen atom with a lone pair (NH₂) that combine to make protein

ANSWERS: 65. enhance, 66. flared, 67. donor, 68. life-form, 69. extinct, 70. filter, 71. amino

72. She's on the _____ of adulthood.

- n.* the floor or ground that forms the bottom of a doorway and offers support when passing through a doorway; the smallest detectable sensation

73. The _____ of his idea came from watching birds flying in flocks.

- n.* a very tiny living that causes the disease; a piece of something such as an organism, concept, etc., capable of growing into a new one or part of one

74. It's important to _____ your strengths and weaknesses.

- v.* to acknowledge or realize something or someone; to identify, remember, or become aware of something that was previously known or encountered

75. Our knowledge helps _____ our clients successfully.

- v.* to plan and direct the way that a ship, plane, etc. will travel, often by using a map

76. She is willing to give up her position in the _____ family to marry him.

- adj.* relating to or belonging to the king or queen or a member of their family

77. The computer screen displayed nothing but a _____ white screen

- adj.* without any writing or printing; empty or devoid of ideas, information, or meaning; unable to remember or recall information

78. The program is _____ so participants can choose whether or not to take part.

- adj.* done of one's own free will; without being forced or coerced

79. This question has fascinated solar _____ for decades.

- n.* a physicist who studies astronomy

ANSWERS: 72. threshold, 73. germ, 74. recognize, 75. navigate, 76. royal, 77. blank, 78. voluntary, 79. astronomers

80. She took a _____ in front of the famous tower and shared it on the app.
- n.* a photograph that one has taken of oneself, typically one taken with a smartphone or webcam to share on social media
81. He is familiar with _____ and biology.
- n.* the branch of the natural sciences dealing with the composition of substances and their properties and reactions
82. The astronaut trained for years before embarking on her _____ to the International Space Station.
- n.* a long journey, especially by sea or in space
83. Pakistan's ___ budget was still being reviewed.
- n.* things sent to help countries in need, notably food or money; support
84. Unfortunately, the swirling _____ in the river made it difficult to swim.
- n.* a circular current of water or air that flows in the opposite direction to the main current, causing a small whirlpool; a current of opinion, activity, or trend that goes against the main current
85. You should _____ your shirt into your trousers.
- v.* to push a stray piece of clothing or material into a particular area or position, especially to make it more orderly or comfortable
86. Our team caught a _____ of the world-class technique in this game.
- n.* a brief or partial view; the act of seeing something or someone for a very short time or only partly
87. 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

ANSWERS: 80. selfie, 81. chemistry, 82. voyage, 83. aid, 84. eddy, 85. tuck, 86. glimpse, 87. biology

88. These economic activities had disastrous environmental _____.
- n.* the outcome of a particular action or event, especially relative to an individual
89. Ethics is a branch of _____.
- n.* the study of general and fundamental questions, such as those about existence, reason, knowledge, values, mind
90. These heavy rains caused _____ floods on several islands.
- n.* a sudden intense burst of radiant energy; a momentary brightness
91. We got lost in the _____ of streets while exploring the city.
- n.* a complex network of winding passages or pathways designed as a puzzle or challenge for people to navigate through
92. X-rays revealed a small tumor in his _____.
- n.* the organ inside the head that is responsible for one's movement, thought, memory, and feeling
93. By dividing and creating copies of themselves, bacteria _____.
- v.* to make a copy of something such as a picture, piece of text, music, etc.; to produce offspring through a sexual or asexual process
94. The company is investing heavily in _____ research and development.
- adj.* in the direction against a stream's current; (adverb) toward the source or beginning of a stream, river, or process
95. I am _____ opposed to his idea because of morality.
- adv.* without restriction or limitation; completely or utterly

ANSWERS: 88. consequences, 89. philosophy, 90. flash, 91. maze, 92. brain, 93. reproduce, 94. upstream, 95. absolutely

96. It is _____ for politicians to be effective communicators.

adj. very important or requiring attention or action

97. The island was formed by a _____ millions of years ago.

n. a mountain or hill, typically conical, having a crater or vent through which lava, rock fragments, hot vapor, and gas are or have been erupted from the earth's crust.

98. The inspector discovered _____ bolts under the fuel rods.

adj. not securely fixed or fastened in place or able to be detached or separated from something

99. The _____ explosion created a bright new star in the night sky.

n. a powerful and luminous explosion that occurs in some stars, resulting in an extremely bright, short-lived object that later fades into a supernova remnant

100. The _____ moon Europa is believed to have an ocean beneath its icy surface.

adj. relating to Jupiter or its characteristics

101. The grand _____ was filled with twirling couples and the sound of music.

n. a large room for dancing

102. The _____ is about 13.8 billion years old.

n. everything that exists, especially all physical matter, including planets, stars, galaxies, and all other forms of matter and energy

103. An infected person in the hospital will likely pass the _____ to others.

n. a tiny infectious organic material that causes disease in people, animals, and plants

ANSWERS: 96. imperative, 97. volcano, 98. loose, 99. supernova, 100. Jovian, 101. ballroom, 102. universe, 103. virus

104. The corporation _____ dominated the entire tobacco business.

adv. finally, particularly after a long time or a lot of struggle, complications, and so on

105. Ethics deals with _____ conduct.

adj. concerned with the principles of what is right and wrong, fairness, honesty, etc.

106. He found that it is difficult to _____ socially.

v. to combine one thing with another so that they form a whole or work together; to accept equal participation for members of all races and ethnic groups

107. He became _____ that he was being followed.

adj. being aware of and able to respond to what is happening around you

108. The rain fell in a _____ flooding the streets in minutes.

n. a sudden and violent stream, as of water, lava, or mud

109. 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

110. The sponge _____ water well.

v. to take in a fluid or other substance gradually

111. Since the second law of thermodynamics is applicable to the universe, the _____ of the universe continues to increase.

n. a scientific concept that is most commonly associated with a state of disorder, randomness, or uncertainty

ANSWERS: 104. eventually, 105. moral, 106. integrate, 107. conscious, 108. torrent, 109. environment, 110. absorbs, 111. entropy

112. Solar gravity creates _____ pressures and temperatures.

adj. very great in amount or degree

113. The _____ of the dinosaurs is thought to have been caused by an asteroid impact.

n. the complete disappearance of a species from the earth

114. 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

115. The doctor diagnosed me with a _____ disorder.

n. a chemical substance made by organs that encourages or influences the development, growth, sex, etc., of an animal and is carried around the body in the blood

116. Draw a circle five centimeters in _____.

n. the length of a straight line passing through the center of a circle and connecting two points on the circumference

117. The _____ of the earthquake was measured at 7.8 on the Richter scale.

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

118. The government established by the coup was more _____ than before.

adj. relating to the essential aspects of anything; far beyond the norm, mainly used of opinions and actions

119. His poem has a very significant _____.

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

ANSWERS: 112. extreme, 113. extinction, 114. radiation, 115. hormone, 116. diameter, 117. magnitude, 118. radical, 119. implication

120. Their headquarters are in a _____ skyscraper.
adj. of or belonging to the present time or recent times
121. These birds can only _____ in temperate climates.
v. to live or exist despite a dangerous event or period
122. He is in the _____ of his life.
n. the time in the evening at which the sun begins to fall below the horizon; (verb) to expire or be terminated automatically at the end of a fixed period
123. _____ prevalent in hospitals are often resistant to antibiotics.
n. single-celled or noncellular spherical or spiral or rod-shaped organisms that exist in large numbers in the air, water, and soil, and also in living and dead creatures and plants, and are often a cause of disease
124. The grandparents take care of their _____ while the parents are at work.
n. a child of someone's son or daughter
125. The doctor diagnosed him with a rare _____ that had no known cure.
n. a disorder or illness that affects the body or mind, often characterized by specific symptoms or abnormal functioning of organs or systems
126. Management must take _____ responsibility for the accident.
adj. furthest or highest in degree or order
127. _____ research has opened up new possibilities for the treatment of certain diseases.
adj. relating to changes in gene expression that are not caused by alterations in the underlying DNA sequence but rather by modifications to the structure of DNA or proteins that regulate gene activity

ANSWERS: 120. modern, 121. survive, 122. sunset, 123. Bacteria, 124. grandchild, 125. disease, 126. ultimate, 127. Epigenetic

128. He gave _____ to his anger by playing the guitar.

n. a small opening to escape or release gas, air, liquid, etc.; activity or process that frees or expresses strong creative energy or emotion

129. The _____ of waterfalls in the national park was a breathtaking sight.

n. a small waterfall or series of small waterfalls; a succession of stages or operations or processes or units

130. He suffers from _____ breakdowns.

adj. worried and anxious about something; relating to the nerves

131. The _____ team worked quickly to save the patient's life.

adj. relating to the treatment of illness or injuries; relating to the practice of medicine

132. Eyeless fish _____ in dark caves.

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

133. We have a mutually _____ connection with them.

adj. involving two varieties of animal or plant, each of which supplies the conditions for the other to exist

134. 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

135. The scratches on the car _____ its otherwise perfect appearance.

v. to damage or spoil the appearance or surface of something

ANSWERS: 128. vent, 129. cascade, 130. nervous, 131. medical, 132. evolved, 133. symbiotic, 134. oxygen, 135. marred

136. A _____ condition is a medical condition caused by a genetic mutation passed down from one's parents.
adj. passed down from one generation to another through inheritance
137. We need to add more names to the _____ of candidates for the upcoming election.
n. a flat piece of rock or stone that is typically used as a roofing or flooring material; a list of candidates for an election arranged in a specific order
138. She successfully completed her first _____ with a personal best time.
n. a long-distance race of 42.195 kilometers
139. The long _____ to the air tarnished the antique tableware.
n. the state of being in a particular situation or place where there is no protection from or guarantee to something harmful; the disclosure of something secret
140. His professional experience includes all _____ of media production.
n. one part or feature of a situation, problem, subject, etc.
141. This inclusive environment has allowed the plant species to _____.
v. to make something include more different types or things; to spread out activities or investments
142. The human _____ contains approximately three billion chemical base pairs.
n. the complete set or sequence of genes of a human, animal, plant, or other living things
143. These results muddied the _____.
n. the act of predicting the future by reasoning; a statement made about the future

ANSWERS: 136. hereditary, 137. slate, 138. marathon, 139. exposure, 140. aspects, 141. diversify, 142. genome, 143. prediction

144. The president must have the highest _____ standards.

adj. of or relating to principles about what is right and wrong, or the branch of knowledge dealing with these

145. The sponge takes up the _____ well.

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

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

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

147. During pregnancy, the stomach generates less _____ than usual.

n. sour; water-soluble chemicals with a sour flavor; any of a variety of generally liquid compounds capable of reacting with and occasionally dissolving other materials

148. He is a specialist in the _____ of aging.

n. the branch of biology that studies genes, genetic variation, and heredity in organisms

149. Absolute zero is the lowest _____ temperature.

adj. relating to the concepts and principles upon which a particular topic is founded, rather than practice and experience

150. They awaited news of the _____ of the election.

n. the result or effect of an action, event, etc.

151. Some _____ are common across cultures and backgrounds.

n. a strong feeling such as love, anger, etc. deriving from one's situation, mood, or relationships with others

ANSWERS: 144. ethical, 145. liquid, 146. immune, 147. acid, 148. genetics, 149. theoretical, 150. outcome, 151. emotions

152. The _____ shaped a horseshoe on his anvil.

n. a smith who forges and shapes iron with a hammer and anvil

153. I'm _____ of insects.

adj. afraid or frightened

154. The astronaut felt weightless in space due to the absence of _____.

n. the force that attracts a body towards the center of the earth or towards any other physical body having mass; a manner that is solemn

155. The mobile phone was still _____ even after being dropped.

adj. designed for or capable of a particular activity, purpose, or task; practical or ready for use or service

156. To find drunk drivers, police conduct _____ tests.

adj. made, done, or happening without method, conscious decision, or any regular pattern

157. The boxer clenched his _____ before throwing a punch.

n. a hand with the fingers clenched tightly into the palm to form a hard rounded shape; an act of striking someone or something with the fist

158. Better sleep leads to increased _____.

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

159. I need to _____ my head to the beat of the music.

v. to move up and down quickly and repeatedly, often in a short, jerky motion; to cut, trim, or shorten hair, especially by repeatedly snipping with scissors; (noun) a hairstyle in which the hair is cut short and even all around, usually above the shoulders

ANSWERS: 152. blacksmith, 153. scared, 154. gravity, 155. functional, 156. random, 157. fist, 158. metabolism, 159. bob

160. The earthquake caused a _____ of lumber to crumble noisily.

n. a pile of something arranged or laid one on top of another; a large tall chimney through which combustion gases and smoke can be evacuated

161. Einstein was an outstanding and famous _____ of the 20th century.

n. a scientist who specializes in the field of physics

162. He stood at the edge of the _____ and looked out to sea.

n. a steep rock face, especially one at the edge of the sea or a river

163. The _____ in the thermometer had risen to the boiling point.

n. a heavy, silvery-white metal that is liquid at room temperature and is used in thermometers, electrical equipment, and other devices; (Mercury) the smallest planet and the nearest to the sun

164. He has terminal _____ cancer.

n. either of the two organs in the chest that people and some animals use for breathing

165. His _____ showed highly positive results.

n. the scientific test conducted to observe what happens and gain new knowledge

166. The _____ on the corner is hosting a free community meal tonight.

n. a building or institution dedicated to religious worship or activities; a Christian religious organization or denomination

167. The horror movie was so _____ that I couldn't watch it alone.

adj. causing fear or fright; frightening; intimidating

ANSWERS: 160. stack, 161. physicist, 162. cliff, 163. mercury, 164. lung, 165. experiments, 166. church, 167. scary

ANSWERS: