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Vocabulary Builder Reference from...

Hugh Herr: How we'll become cyborgs and extend human potential | TED Talk

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

All Words

IMPORTANT

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Session 1: Word List

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.

augment

v. to increase the size, extent, quantity, etc. of something by adding something to it

synonym: boost, increase, expand

(1) **augment** the reality, (2) **augment** immunity

Economic factors and monetary policy **augmented** inflation.

accident

n. an unfortunate event, especially one causing damage or injury

synonym: calamity, casualty, chance

(1) cause an **accident**, (2) injury in a car **accident**

The **accident** partially destroyed my vehicle.

amputate

v. to cut off a part of the body, especially by surgery

synonym: cut off, cut away

(1) **amputate** both legs, (2) **amputate** below the knee

Finally, they had to **amputate** his foot to free him from the

wrecked car.

tissue

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

synonym: structure, texture, anatomy

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

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

damage

v. to harm or cause injury to something or someone, often resulting in decreased value or functionality; to impair or negatively affect something, such as a reputation or relationship; (noun) harm or injury that is caused to a person, thing, or entity

synonym: harm, impair, injure

(1) **damage** a relationship, (2) **damage** assessment

During the surgery, the doctor had to be extremely cautious not to **damage** a blood vessel.

frostbite

n. a medical condition that occurs when the skin and underlying tissue freeze due to exposure to extremely cold temperatures, resulting in damage or loss of tissue and, in severe cases, amputation

synonym: cryopathy, chilblains, ice burn

(1) **frostbite** symptoms, (2) **frostbite** on the hand

The athlete had to quit the race due to severe **frostbite** on his feet.

microprocessor

n. a computer component containing all the functions of the central processing unit

synonym: IC, chip, microchip

(1) **microprocessor** chip, (2) dedicated **microprocessor**

As a result of improvements in **microprocessor** performance, many consumer electronics products are now Internet-connected.

tendon

n. a strong, fibrous cord of tissue that connects muscle to bone

synonym : tissue, sinew, ligament

(1) **tendon** grafting, (2) **tendon** collagen

Tendon injuries are common among athletes.

actuate

v. to cause a machine or equipment to start to work

synonym : motivate, spark, drive

(1) **actuate** the circuits, (2) **actuate** a parking brake

A desire for success **actuated** her.

bunch

n. a grouping of several similar things which are growing or fastened together

synonym : group, assemblage, bundle

(1) a **bunch** of trees, (2) a **bunch** of schoolgirls

One bad apple spoils the whole **bunch**.

bolt

n. a metal bar that slides across to lock a door or window closed; a discharge of lightning accompanied by thunder; (verb) to move or jump suddenly

synonym : lock, fastener, thunderbolt

(1) **bolt** diameter, (2) **bolt** from my bed

The lightning **bolt** twiggged in several directions.

advance

v. to go or move forward; to develop in a positive way

synonym : progress, boost, come along

(1) **advance** the technology, (2) **advance** a cooperative relationship

Scientific knowledge will **advance** significantly with the power of AI.

skip

v. to move along lightly and quickly, making a step from one foot to the other with a hop or bounce; to intentionally fail to do something which would normally do

synonym : bounce, spring, neglect

(1) **skip** across the country, (2) **skip** breakfast

We **skipped** the topic because it was too complicated.

cyborg

n. a being that is part human and part machine or technology, often created through the integration of electronic and mechanical devices

synonym: android, bionic, half-human

(1) **cyborg** technology, (2) **cyborg** cop

The idea of a superhuman **cyborg** army is a popular trope in action movies.

neural

adj. of or relating to a nerve or the nervous system that includes the brain

synonym: sensory, neuronic, nervous

(1) **neural** stem cells, (2) **neural** networks in AI

There was a disturbance of **neural** function.

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.

residual

adj. relating to or constituting a remainder or leftover portion; remaining after other elements or factors have been removed or taken into account

synonym: residuary, leftover, remaining

(1) **residual** waste, (2) **residual** income

The scientist found **residual** traces of the chemical in the water sample.

limb

n. an arm and leg of a person or animal

synonym: arm, appendage, branch

(1) a prosthetic **limb**, (2) **limb** amputation

You should wrap the bandage carefully and firmly around the injured **limb**.

artificial

adj. not natural and made by human beings; not real but produced to resemble something

synonym : synthetic, man-made, manufactured

(1) **artificial** flowers, (2) **artificial** environment

The **artificial** intelligence system has revolutionized the way we live and work.

electrode

n. either of two points or ends of a conductor at which electricity enters or leaves an object, substance, or region

(1) platinum **electrodes**, (2) **electrode** corrosion

It is important to place the **electrodes** in the correct position for accurate electro-cardiogram recording.

decode

v. to convert something, such as a message or piece of information, from a specific form into one that you can understand

synonym : decipher, translate, interpret

(1) **decode** a message, (2) ability to **decode** the differences

The software could **decode** the encrypted data and reveal the hidden information.

pulse

n. the regular heartbeat as it sends blood around the body, especially when it is felt at the wrist or side of the neck; a solid regular vibration of sound, electric current, light, or other waves

synonym : beat, vibration, throb

(1) a weak **pulse**, (2) **pulse** waves

The cardiac monitor displays the intensity of your **pulse**.

intention

n. something you want to do and are going to do

synonym : purpose, connotation, will

(1) **intention** behind his decision, (2) clear **intention**

Our CEO's **intentions** are always transparent and straightforward.

movement

n. a group of people working together to achieve a shared goal, especially a political, social, or artistic one; the process of moving or being moved, physically or figuratively

synonym: motion, progression, action

(1) a circular **movement**, (2) **movement** of troops

The **movement** of the dancers on stage was graceful and elegant.

command

n. authority, control, or mastery over something, often referring to military or leadership contexts; a directive, order, or instruction; expertise or confidence in a specific area; (verb) to give an authoritative order or instruction, or to be in charge or control of something

synonym: control, authority, leadership

(1) **command** and control, (2) **command** a battery

The general gave a **command** to his troops to prepare for battle.

communicate

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

synonym: convey, share, transmit

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

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

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

synthetic

adj. made by combining chemical substances as opposed to being naturally occurring

synonym: artificial, manufactured, fabricated

(1) **synthetic** fiber, (2) **synthetic** fertilizer

Synthetic diamonds play an essential role as machine tool blades.

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**.

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.

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.

separate

v. to force, take, or pull apart; mark as different

synonym : disunite, isolate, ramify

(1) **separate** video into chapter, (2) **separate** cream from milk

We need to **separate** the aspect of his personality from the part of his competence when making an investment decision.

process

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

synonym : procedure, method, system

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

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

flesh

n. the soft substance composing the body of a person or animal, as opposed to bones and other structures

synonym : meat, muscle, tissue

(1) grow in **flesh**, (2) **flesh** eating
The **flesh** of the fruit is sweet and juicy.

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.

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.

bidirectional

adj. capable of functioning or moving in two opposite directions; involving or allowing communication or transmission in two opposite directions

synonym: two-way, reciprocal, dual

(1) **bidirectional** communication, (2) **bidirectional** street
The **bidirectional** flow of information allows for efficient communication between the two departments.

methodology

n. a set of ways or principles of doing, teaching, or studying something

synonym: procedure, approach, process

(1) **methodology** for optimizing, (2) research **methodology**
We are developing a new **methodology** for assessing marketing measures.

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**.

contemplate

v. to think about a possible future action or to think about something for a long time thoughtfully

synonym : think over, ponder, consider

(1) **contemplate** a marriage, (2) **contemplated** leaving school

I recently **contemplated** dropping out of school and getting a full-time job.

compromise

v. to settle a problem or disagreement by mutual concession

synonym : agree, settle, negotiate

(1) **compromise** the matter, (2) cannot **compromise** anymore

They never **compromised** on development despite the lack of funds.

lifeless

adj. without life; dead

synonym : inanimate, inert, motionless

(1) fall **lifeless**, (2) a **lifeless** corpse

The plant had a **lifeless** appearance, indicating that it was not getting enough water.

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.

- blur** *n.* a faint or indistinct image or sound; something that is not clear or distinct; (verb) to become unclear; to lose clear vision
synonym : smudge, smear, fuzz
(1) **blur** image, (2) motion **blur**
The camera's focus was off, and the image was a **blur** of colors and shapes.
- extend** *v.* to broaden in scope, range, or area
synonym : prolong, lengthen, advance
(1) **extend** the warranty, (2) **extend** a line
Her visit will **extend** from Monday to Friday.
- disability** *n.* a physical or mental condition that makes it difficult for someone to do some things that other people do
synonym : impairment, disadvantage, restriction
(1) a **disability** pension, (2) a learning **disability**
Listening to music at a high volume may lead to a hearing **disability**.
- technological** *adj.* based on scientific and industrial progress
synonym : specialized, technical
(1) **technological** advancement, (2) **technological** policy
Technological advances have disrupted many industries.
- basis** *n.* the most important facts, ideas, or events from which something is developed; the way how things are organized or arranged
synonym : foundation, base, ground
(1) on an equal **basis**, (2) **basis** for calculation
This evidence will form the **basis** for our discussion.
- physiological** *adj.* relating to the normal functioning of living organisms and their organs and systems; concerning the physical or biochemical processes and activities that occur within the body
synonym : biological, organic, bodily

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

cognitive

adj. of or relating to mental processes of understanding
synonym: perceivable, mind, mental

(1) improve **cognitive** function, (2) research on **cognitive** psychology

His **cognitive** faculties were getting worse because of a lack of sleep.

emotional

adj. relating to people's feelings
synonym: affecting, impactful, impressive

(1) **emotional** health, (2) **emotional** distress

Human **emotional** responses vary widely depending on the society to which they belong.

physically

adv. in a way related to a person's body or appearance rather than their mind

(1) **physically** and mentally, (2) stay **physically** fit

Having a **physically** healthy physique is essential for a great life.

biomolecule

n. a molecule produced by a living organism, typically composed of carbon, hydrogen, oxygen, nitrogen, and other elements, plays a vital role in various biological processes such as metabolism, energy production, and genetic information transfer

synonym: biochemical, molecule, protein

(1) **biomolecule** structure, (2) protein **biomolecule**

DNA is a complex **biomolecule** that contains the genetic information of an organism.

manipulate

v. to influence or control something or someone to your advantage, often in an unfair or dishonest way

synonym: control, exploit, abuse

(1) **manipulate** figures, (2) vulnerable to **manipulate**
Please tell me how to **manipulate** this computer.

sculpt

v. to create a work of art by carving, casting, or other shaping techniques

synonym: carve, mold, shape

(1) **sculpt** an image, (2) **sculpt** prototype

He spent hours every day **sculpting** figures out of clay.

surgery

n. medical treatment of injuries or diseases involving an incision with instruments and often removing or replacing some parts of the body; the branch of medical science that treats disease or injury by operative procedures

synonym: operation, (medical) procedure

(1) cardiac **surgery**, (2) the professor of **surgery**

He had undergone heart **surgery** years before.

regenerative

adj. tending to regrow or restore lost or injured tissue

synonym: rejuvenating, restorative, healing

(1) **regenerative** medicine, (2) **regenerative** therapy

The **regenerative** properties of stem cells make them a promising area of research.

amputation

n. the act of cutting off a part of the body surgically

(1) **amputation** of leg, (2) hand **amputation**

Amputation of the limb is a last resort for the patient.

paradigm

n. a standard or typical example of something; a pattern or model

synonym: example, standard, epitome

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

He postulated a completely different **paradigm** to explain all these phenomena.

obsolete

adj. no longer in use or helpful because something newer or better has been invented and introduced

synonym : ancient, bygone, outdated

(1) an **obsolete** word, (2) become **obsolete**

New technology has rendered my old smartphone **obsolete**.

dramatic

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

synonym : striking, theatrical, breathtaking

(1) make **dramatic** changes, (2) a **dramatic** rescue at sea

The statement had a **dramatic** impact on house prices.

advancement

n. the development, improvement, or progress of something

synonym : progression, breakthrough, improvement

(1) **advancement** of knowledge, (2) career **advancement**

Competition between countries resulted in fast technological **advancement**.

interface

n. (computer science) a program that controls a display for the user and that allows the user to interact with the system; (chemistry) a surface forming a common boundary between two things

synonym : junction, surface, UI

(1) **interface** between gas and liquid, (2) the user **interface**

Detergent weakens the surface tension at the **interface** of two liquids.

deficiency

n. the state of lack, or not having enough of, something that is essential

synonym : insufficiency, shortage, depletion

(1) a **deficiency** of copper and zinc, (2) a mild degree of mental **deficiency**

Vitamin **deficiency** can lead to various illnesses.

dynamic

adj. having a lot of energy, ideas, and enthusiasm, and a strong personality; of or relating to dynamics (= the branch of physics and engineering concerned with the forces that cause motions of bodies)

synonym : energetic, active, vital

(1) a **dynamic** market, (2) **dynamic** person

The sprinter has a **dynamic** way of running.

interaction

n. the act of connecting with someone, mainly when working, playing, or spending time with them

synonym : dealings, exchange, relations

(1) the **interaction** between man and his environment,

(2) **interaction** among human beings

The **interaction** of the two groups is good for brainstorming.

proprioception

n. the sense of the relative position of one's body parts and their movement, regulated by receptors in the muscles, tendons, and joints; the ability to sense where one's body is in space without relying on vision

synonym : body awareness, kinesthesia, sense of movement

(1) improve **proprioception**, (2) **proprioception** training

Athletes rely heavily on **proprioception** to perform complex movements with precision.

flex

v. to show off one's strength, power, or possessions; to bend or be capable of bending easily

synonym : bend, stretch, extend

(1) **flex** a finger, (2) **flex** diplomatic muscle

The gymnast was able to **flex** his muscles to perform the difficult routine.

ankle

n. the part or joint connecting the foot to the leg

synonym : mortise joint

(1) **ankle** injury, (2) pair of **ankle** boots

He accidentally sprained his **ankle** playing squash.

contract

n. a legally binding agreement between two or more parties, setting out their rights and obligations to each other, typically in writing and enforceable by law

synonym : agreement, deal, arrangement

(1) employment **contract**, (2) **contract** law

The company signed a **contract** with the supplier for the delivery of goods.

simultaneously

adv. at the same time

synonym: concurrently, coincidentally, together

(1) **simultaneously** affected, (2) take several inputs **simultaneously**

Two students answered the teacher's question **simultaneously**.

stretch

v. to make or be capable of making anything longer or broader without hurting or breaking

synonym: lengthen, prolong, extend

(1) **stretch** along the coast, (2) **stretch** a story

Some herds have been observed to **stretch** hundreds of kilometers.

opposition

n. the act of disagreeing or resisting; the state of strong disagreement

synonym: resistance, hostility, antagonism

(1) **opposition** campaign, (2) meet with **opposition**

The **opposition** party strongly disagreed with the government's proposed legislation.

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**.

eliminate

v. to remove or get rid of someone or something

synonym: wipe out, destroy, eradicate

(1) **eliminate** contestants, (2) **eliminate** sexual barriers

We can **eliminate** this possibility from those consumptions.

consequently

adv. as a result or outcome of something

synonym : hence, accordingly, thus

(1) **consequently** unable to start her studies,

(2) **consequently** affect the organs

Consequently, the company had to lay off some of its employees.

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.

patient

n. a person who is receiving medical treatment, care, or attention from a healthcare professional, such as a doctor, nurse, or therapist; a personal quality or characteristic

synonym : client, recipient, subject

(1) **patient** in the hospital, (2) **patient** with weight loss

The doctor carefully examined the **patient's** medical history.

joint

adj. shared, held, or made between two or more people;
(noun) the point of connection between two bones or elements of a skeleton

synonym : collaborative, cooperative, combined

(1) a **joint** venture, (2) the bone of a **joint**

After the summit meeting, the prime ministers issued a **joint** statement.

phantom

n. a ghost or a spirit of a dead person; something existing only in your imagination or perception

synonym : ghost, spirit, apparition

(1) a **phantom** company, (2) **phantom** limb pain

The police frantically searched for clues to the **phantom** killer.

awareness

n. the fact or state of knowing something exists and is important

synonym : understanding, cognition, knowledge

(1) **awareness** of my ignorance, (2) raise public **awareness**

There has been a gradual but steady rise in environmental **awareness**.

stick

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

synonym : pierce, adhere, stay

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

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

rigid

adj. extremely strict and difficult to change or adapt; incapable of or resistant to bending

synonym : strict, inflexible, stringent

(1) **rigid** rules, (2) **rigid** structure

He was unpopular because of his **rigid** adherence to the rules.

invention

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

synonym : creation, design, innovation

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

Necessity is the mother of **invention**.

agony

n. extreme physical or mental pain or suffering, often prolonged or intense

synonym : anguish, torment, suffering

(1) severe **agony**, (2) emotional **agony**

The athlete fell to the ground in **agony** after injuring their ankle.

antagonist

n. a person, group, or force that opposes or works against the protagonist, or the main character, in a story or drama; a person or thing that is in direct opposition or

conflict with another person or group

synonym : opponent, rival, adversary

(1) arch-nemesis **antagonist**, (2) literary **antagonist**

The **antagonist** in the movie is a corrupt government official who obstructed the protagonist's mission.

myocardial

adj. relating to the muscular tissue of the heart

synonym : cardiac, heart-related, ventricular

(1) **myocardial** infarction, (2) **myocardial** fibrosis

The physical examination revealed no abnormalities in the patient's **myocardial** structure.

residuum

n. a residue or remainder; a small amount or trace left behind after a process or event

synonym : remainder, leftover, residue

(1) **residuum** analysis, (2) the **residuum** of the demolished building

The lab tested the soil samples and found a high concentration of chemical **residuum**.

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.

comprise

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

synonym : consist of, include, be composed of

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

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

electrical

adj. relating to electricity

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

Actuators convert **electrical** pulses into motion.

relate

v. to establish a connection or association between two or more things; to narrate or tell about an event, experience, or relationship; to empathize or feel sympathy with someone or something

synonym : connect, link, associate

(1) **relate** a story, (2) **relate** a message

He tried to **relate** his experience to the group, but they couldn't understand.

primary

adj. first or highest in rank, order, or importance; most fundamental or essential; pertaining to the initial or introductory stage of something, such as a school year or election cycle

synonym : chief, main, fundamental

(1) **primary** school, (2) **primary** education

The **primary** cause of the accident was due to the icy road conditions.

surgeon

n. a doctor who is trained to perform medical operations that involve cutting open a person's body

synonym : sawbones, doctor

(1) an excellent brain **surgeon**, (2) army **surgeon**

He is a skilled **surgeon** that has many years of training and experience.

opposing

adj. competing, fighting, or working against each other

synonym : disagreeing, dissenting, conflicting

(1) **opposing** counsel, (2) in an **opposing** direction

We have no intention of **opposing** his idea.

construct

v. to build or create something; to assemble or combine different parts to form something whole

synonym : build, assemble, create

(1) **construct** a 3D image, (2) **construct** a dam

He **constructs** hypotheses that no mathematician has ever

imagined before.

motor

n. a device that converts electricity, fuel, etc. into movement and makes a machine, vehicle, etc. work

synonym: actuator, engine, machine

(1) a **motor** mechanic, (2) DC **motor** control

Energy-efficient **motors** are needed to maximize the cruising distance of electric vehicles.

principle

n. a fundamental law or truth that explains or controls how something happens or works

synonym: rule, creed, code

(1) **principle** of treatment, (2) **principle** in business

Efficiency isn't an essential **principle** here; fairness is.

suffer

v. to experience pain, distress, or hardship; to undergo or endure something painful or unpleasant

synonym: endure, undergo, tolerate

(1) **suffer** a setback, (2) **suffer** bad grades

The older man **suffers** from arthritis and finds it difficult to move around.

injury

n. harm done to a person's or an animal's body caused by an accident or an attack

synonym: wound, damage, hurt

(1) without **injury**, (2) a fatal **injury**

My accidental **injury** got better right away.

puncture

n. a small hole or wound made by piercing, such as with a needle, nail, or pointed object

synonym: piercing, prick, hole

(1) bicycle **puncture**, (2) needle **puncture**

The tire had a **puncture** and needed to be replaced.

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.

engineer

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

synonym: architect, creator, builder

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

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

assemble

v. to collect in one place as a single group

synonym: gather, congregate, collect

(1) **assemble** your colleagues, (2) **assemble** a jigsaw puzzle

The president began to **assemble** an army.

rebuild

v. to build again or anew

synonym: reconstruct, renovate, restore

(1) **rebuild** a company, (2) **rebuild** communities

They are planning to **rebuild** the house after the fire.

proWess

n. exceptional or superior skill or ability, particularly in a physical or athletic context; valorous bravery or courage

synonym: expertise, skill, ability

(1) economic **proWess**, (2) intellectual **proWess**

The athlete's **proWess** in her sport earned her many accolades.

dam

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

synonym: barricade, barrier, embankment

(1) **dam-building** program, (2) **dam** collapsing

The break in the **dam** threatened the valley.

procedure

n. a way of doing something, especially the official or well-known way

synonym: action, approach, course

(1) undergo a surgical **procedure**, (2) standard **procedure**

The pilot and flight attendant ran through the check-out **procedure**.

pulley

n. a wheel or set of wheels with a grooved rim around which a cord or rope runs, used to change the direction or point of application of a force, especially to lift heavy objects

synonym: block and tackle, hoist, lift

(1) **pulley** system, (2) movable **pulley**

The construction worker used a fixed **pulley** to lift the heavy equipment to the top floor.

attach

v. to fasten, join, or connect one thing to another

synonym: fix, fasten, bind

(1) **attach** firmly, (2) **attach** a file to an e-mail

He does not **attach** importance to these rumors.

tibia

n. the larger of the two bones in the lower leg, located between the knee and ankle

synonym: shinbone, calf bone, leg bone

(1) broken **tibia**, (2) **tibia** ligament

A stress fracture in the **tibia** can be caused by overuse or repetitive force on the bone.

reconnect

v. to connect again after a break or interruption

synonym: reopen, rejoin, link up

(1) **reconnect** a telephone, (2) **reconnect** with family

After a long period of estrangement, they **reconnected** with each other.

reestablish

v. to establish again or anew; to restore something that was lost or disrupted, often relating to an organization, relationship, or system

synonym: restore, reconstitute, rehabilitate

(1) **reestablish** ties, (2) **reestablish** trust

We need to **reestablish** our relationship after our argument.

blindfold

n. a covering for the eyes used to block out light, particularly one used as a means of sensory deprivation or as a form of punishment or revenge; (verb) to cover someone's eyes with a blindfold or similar material, often as a way of preventing them from seeing something or to make a game or activity more challenging

(1) **blindfold** game, (2) **blindfold** challenge

The doctor administered a **blindfold** test to evaluate the patient's sense of touch.

laboratory

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

synonym: lab, workshop, testing room

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

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

distinct

adj. noticeable from something else of a similar type

synonym: different, special, characteristic

(1) **distinct** difference, (2) **distinct** from each other

It is essential to keep these two issues **distinct**.

excite

v. to make someone feel suddenly enthusiastic or eager

synonym: thrill, exhilarate, animate

(1) **excite** the crowd, (2) **excite** rebellion

The news of her promotion **excited** her.

remarkable

adj. worthy of attention because unusual or special

synonym: outstanding, exceptional, extraordinary

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

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

biomechanics

n. the study and application of mechanical principles to biological systems, especially as related to human movement and the physical performance of athletes and performers

(1) **biomechanics** of movement, (2) **biomechanics** research

The study of **biomechanics** is important in understanding the physical implications of movement and sports performance.

mediate

v. to try to bring about an agreement or understanding between people who are in conflict

synonym: arbitrate, reconcile, intervene

(1) **mediate** allergic reaction, (2) **mediate** a negotiation

The teacher had to **mediate** a disagreement between two students over a stolen pencil.

emerge

v. to move out of or away from something and become visible

synonym: arise, occur, appear

(1) **emerge** as a butterfly, (2) **emerge** from poverty

During colonial eras, new migratory patterns **emerged**.

involuntary

adj. acting or done without or against one's will

synonym: coerced, forced, automatic

(1) **involuntary** manslaughter, (2) **involuntary** muscles

The drug's side effects can include **involuntary** loss of urine.

reflex

n. an automatic and unthinking response to a particular stimulus; a physical reaction to external stimuli

synonym: reaction, response, instinct

(1) **reflex** test, (2) knee **reflex**

My leg kicked involuntarily when the doctor tapped my knee with the **reflex** hammer.

intricacy

n. the quality of being complex, detailed, or highly involved; the existence of many interrelated parts or elements

synonym: complexity, intricateness, elaboration

(1) the **intricacy** of the design, (2) legal **intricacy**

The clockwork mechanism of the antique watch showed incredible **intricacy**.

placement

n. the act or process of putting something in a particular position or location; a temporary position or job in an organization

synonym : positioning, location, arrangement

(1) **placement** test, (2) **placement** agency

The **placement** of the advertisement on the billboard was strategic in attracting a large audience.

ascent

n. the act of climbing or moving upwards, often referring to a physical ascent of a mountain or a spiritual ascent or improvement; an upward movement; the process of moving upwards

synonym : climb, rise, hike

(1) spiritual **ascent**, (2) the **ascent** of a rocket

The hikers experienced a difficult **ascent** to the summit due to the steep and rocky terrain.

descend

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

synonym : dip, drop, come down

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

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

tread

v. to step or walk on something

synonym : step, walk, pace

(1) **tread** water, (2) **tread** a similar path

He **treads** carefully on the slippery ice.

automatically

adv. without needing a direct human control

synonym : mechanically, unconsciously, spontaneously

(1) record driving **automatically**, (2) **automatically** adjusted

Our subscription plan is **automatically** renewed.

exhibit

v. to show something in public for people to enjoy or to provide them with information

synonym : display, expose, show

(1) **exhibit** a bad attitude, (2) **exhibit** a great talent

Other technology industries **exhibit** similarly explosive growth.

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

synonym: workshop, laboratory, research chamber

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

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

accidentally *adv.* by chance or without planning

synonym: by chance, unintentionally, unwittingly

(1) they met **accidentally**, (2) **accidentally** coincide

He was **accidentally** killed by friendly fire.

roll *v.* to move in a particular direction by turning over and over or from side to side

synonym: spin, swirl, wheel

(1) **roll** a ball, (2) **roll** down his cheeks

He was exhausted and **rolled** into bed as soon as he got home.

tap *v.* to hit someone or something quickly, gently, and often repeatedly; to use existing resources, such as energy, knowledge, etc.

synonym: knock, exploit, use

(1) **tap** a new market, (2) **tap** keyboard with an index finger

To expand the company, we must **tap** new human resources.

awkward *adj.* making you feel uncomfortable or embarrassed; causing inconvenience or difficulty

synonym: embarrassing, discomfiting, clumsy

(1) an **awkward** expression, (2) an **awkward** date

The **awkward** design of the interface made the operation difficult.

downstairs

adv. on or to a lower or ground floor of a building

synonym : below

(1) creep **downstairs**, (2) escort him **downstairs**

Please get the desk **downstairs**.

neurological

adj. of or relating to the science of neurology or the nervous system

synonym : nervous, neural, brain-related

(1) fever with **neurological** signs, (2) **neurological** symptoms

The patient was diagnosed with a **neurological** disorder affecting their motor skills.

embodiment

n. someone or something that precisely expresses a characteristic or an idea

synonym : image, avatar, incarnation

(1) **embodiment** of evil, (2) illustrative **embodiment**

The devil is the **embodiment** of wicked ideas.

achieve

v. to successfully complete a task or goal, often through hard work, perseverance, and dedication; to attain or accomplish something that one has set out to do

synonym : accomplish, attain, reach

(1) **achieve** success, (2) **achieve** milestones

I will work hard to **achieve** my goals and realize my dreams.

hypothesize

v. to form or present a theory or explanation without sufficient evidence; to speculate

synonym : speculate, theorize, conjecture

(1) **hypothesize** as to outcomes, (2) **hypothesize** what could have happened

Scientists **hypothesize** that the new fish species evolved to survive in deep-sea environments.

integral

adj. necessary to make a whole complete; essential, or fundamental; combining with something else to form a whole; (noun, of mathematics) a fundamental concept in

calculus that represents the area under a curve between two points on a graph

synonym : essential, fundamental, indispensable

(1) **integral** function, (2) **integral** component

Effective communication is an **integral** part of any successful team.

hesitant

adj. unsure or uncertain about what to do or how to act; reluctant or unwilling to take action or make a decision

synonym : indecisive, uncertain, reluctant

(1) **hesitant** response, (2) **hesitant** to take action

She was **hesitant** to speak in public but eventually overcame her fear.

suddenly

adv. quickly and unexpectedly

synonym : abruptly, unexpectedly, unawares

(1) **suddenly** attacked by an enemy, (2) die **suddenly**

Who answers **suddenly** knows little.

remap

v. to reassign or rearrange the mapping or correlation of one set of data or information onto another

synonym : rearrange, reconfigure, reassign

(1) **remap** memory, (2) **remap** software

I need to **remap** the keys on my keyboard to make it more comfortable for typing.

replacement

n. the act of replacing something with something else, especially that is newer or better; a person or thing that takes or can take the place of another

synonym : alternate, substitute, backup

(1) regular **replacement** of tires, (2) **replacement** cost

We demand his **replacement**.

realm

n. a domain of activity, interest, or knowledge

synonym : domain, empire, kingdom

(1) public **realm**, (2) beyond the **realm** of possibility

Her passions are in the **realm** of real-world political affairs.

redefine

v. to change the meaning or interpretation of something; to make people think about something in a new or different way

synonym: reconsider, reformulate, alter

(1) **redefine** customer experience, (2) **redefine** our role

The video telephony application has **redefined** the way we work.

exoskeleton

n. a hard, external protective covering or framework that supports and gives shape to the body of an invertebrate animal, such as an insect or crab

synonym: chitin, exocuticle, carapace

(1) **exoskeleton** suit, (2) robotic **exoskeleton**

The **exoskeleton** of the crab protects it from predators and environmental changes.

configure

v. to set up or arrange something in a particular way or for a specific purpose

synonym: arrange, set up, organize

(1) **configure** alarm notification, (2) **configure** options

I need to **configure** my computer's settings to connect to the internet.

strength

n. the quality or state of being physically, or sometimes mentally, strong

synonym: resilience, power, muscles

(1) **strength** of the economy, (2) muscular **strength**

Health and **strength** are, above all, gold.

superhero

n. a fictional hero who possesses extraordinary powers and abilities and is dedicated to protecting the public

(1) **superhero** movies, (2) **superhero** comics

Superman is a classic **superhero** known for his superhuman strength and flying ability.

humming

adj. producing a continuous, low, vibrating sound like that of the bee

synonym : buzzing, droning, vibrating

(1) **humming** sound, (2) **humming** bird

The **humming** of the bees filled the air as she walked through the garden.

anthropomorphic

adj. describing or relating to the attribution of human characteristics to non-human entities

synonym : human-like

(1) **anthropomorphic** agent, (2) **anthropomorphic** design

The **anthropomorphic** robot was designed to have a human-like appearance.

structure

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

synonym : construction, architecture, establishment

(1) the **structure** of a machine, (2) **structure** and function of the brain

The organizational **structure** of start-ups is often flat and straightforward.

flee

v. to leave by running away, especially out of fear or danger

synonym : exit, escape, run away

(1) **flee** their homes, (2) **flee** abroad

It is a basic instinct to **flee** from a dangerous situation.

skyward

adv. in or toward the sky; directed or oriented upward

synonym : upward, heavenward

(1) look **skyward**, (2) gaze **skyward**

The rocket soared **skyward**, leaving behind a trail of smoke and fire.

twilight

n. the soft, diffused light from the sky when the sun is below the horizon, either from sunrise to sunrise or

sunset to sunset

synonym : dusk, sunset, gloaming

(1) **twilight** sky, (2) **twilight** of an era

The sky was a beautiful pink and orange color at **twilight**.

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.

morphology

n. the study of the form and structure of plants, animals, and other organisms; the study of the alteration of word forms as they change from one part of speech to another

synonym : structure, form, anatomy

(1) **morphology** of a language, (2) cellular **morphology**

The **morphology** of rocks can reveal clues about their geological history.

dynamics

n. the branch of mechanics that deals with the motion of bodies under the action of forces, including the particular case in which a body remains at rest; forces that produce or stimulate movement, growth, or change

synonym : mechanics, kinetics, kinematics

(1) **dynamics** of group, (2) **dynamics** of economy

The relationship **dynamics** between the two countries were complex and constantly changing.

humanity

n. all people living on the earth; the quality or state of being human rather than an animal, a machine, etc.

synonym : humankind, society, human race

(1) **humanity** at large, (2) mass of **humanity**

They donated large sums of money for the development of **humanity**.

soar

v. to fly or rise very high or to a great height, often with great grace or ease

synonym : fly, rise, ascend

(1) **soar** in popularity, (2) **soar** to new heights

The bird **soared** through the sky, and its wings spread wide.

vertical

adj. upright or perpendicular to a horizontal surface or line

synonym : perpendicular, upright, plumb

(1) **vertical** takeoff, (2) **vertical** axis

The ladder leaned against the **vertical** surface of the building.

Session 2: Spelling

- | | |
|---------------------------------------|---|
| 1. a mild degree of mental def_____cy | <i>n.</i> the state of lack, or not having enough of, something that is essential |
| 2. sc____t prototype | <i>v.</i> to create a work of art by carving, casting, or other shaping techniques |
| 3. re_____d a company | <i>v.</i> to build again or anew |
| 4. reg_____ive medicine | <i>adj.</i> tending to regrow or restore lost or injured tissue |
| 5. re_____d communities | <i>v.</i> to build again or anew |
| 6. ex____d the warranty | <i>v.</i> to broaden in scope, range, or area |
| 7. con_____tly affect the organs | <i>adv.</i> as a result or outcome of something |
| 8. bi____c technology | <i>adj.</i> relating to or using technology or devices that enhance or replace biological functions, typically in a way that mimics or improves upon the original |
| 9. su____r a setback | <i>v.</i> to experience pain, distress, or hardship; to undergo or endure something painful or unpleasant |
| 10. creep dow_____rs | <i>adv.</i> on or to a lower or ground floor of a building |
| 11. an excellent brain su_____n | <i>n.</i> a doctor who is trained to perform medical operations that involve cutting open a person's body |
| 12. reg_____ive therapy | <i>adj.</i> tending to regrow or restore lost or injured tissue |

ANSWERS: 1. deficiency, 2. sculpt, 3. rebuild, 4. regenerative, 5. rebuild, 6. extend, 7. consequently, 8. bionic, 9. suffer, 10. downstairs, 11. surgeon, 12. regenerative

13. cell and molecular bi_____y *n.* the scientific study of life and the natural processes of living things
14. ree_____sh trust *v.* to establish again or anew; to restore something that was lost or disrupted, often relating to an organization, relationship, or system
15. pr_____le of treatment *n.* a fundamental law or truth that explains or controls how something happens or works
16. bicycle pu_____re *n.* a small hole or wound made by piercing, such as with a needle, nail, or pointed object
17. ex_____e rebellion *v.* to make someone feel suddenly enthusiastic or eager
18. standard pr_____re *n.* a way of doing something, especially the official or well-known way
19. dy_____cs of economy *n.* the branch of mechanics that deals with the motion of bodies under the action of forces, including the particular case in which a body remains at rest; forces that produce or stimulate movement, growth, or change
20. mass of hu_____ty *n.* all people living on the earth; the quality or state of being human rather than an animal, a machine, etc.
21. myo_____al infarction *adj.* relating to the muscular tissue of the heart
22. sy_____ic fiber *adj.* made by combining chemical substances as opposed to being naturally occurring

ANSWERS: 13. biology, 14. reestablish, 15. principle, 16. puncture, 17. excite, 18. procedure, 19. dynamics, 20. humanity, 21. myocardial, 22. synthetic

23. am____te both legs *v.* to cut off a part of the body, especially by surgery
24. r__l down his cheeks *v.* to move in a particular direction by turning over and over or from side to side
25. emotional ag__y *n.* extreme physical or mental pain or suffering, often prolonged or intense
26. an aw____d expression *adj.* making you feel uncomfortable or embarrassed; causing inconvenience or difficulty
27. s__r in popularity *v.* to fly or rise very high or to a great height, often with great grace or ease
28. cultural n__m *n.* something that is regarded as usual, typical, or standard
29. die su____ly *adv.* quickly and unexpectedly
30. cardiac su____y *n.* medical treatment of injuries or diseases involving an incision with instruments and often removing or replacing some parts of the body; the branch of medical science that treats disease or injury by operative procedures
31. phy____ly and mentally *adv.* in a way related to a person's body or appearance rather than their mind
32. tw____ht sky *n.* the soft, diffused light from the sky when the sun is below the horizon, either from sunrise to sunrise or sunset to sunset
33. hyp____ze what could have happened *v.* to form or present a theory or explanation without sufficient evidence; to speculate

ANSWERS: 23. amputate, 24. roll, 25. agony, 26. awkward, 27. soar, 28. norm, 29. suddenly, 30. surgery, 31. physically, 32. twilight, 33. hypothesize

34. bio_____ics of movement *n.* the study and application of mechanical principles to biological systems, especially as related to human movement and the physical performance of athletes and performers
35. f__e their homes *v.* to leave by running away, especially out of fear or danger
36. severe ag__y *n.* extreme physical or mental pain or suffering, often prolonged or intense
37. da___e assessment *v.* to harm or cause injury to something or someone, often resulting in decreased value or functionality; to impair or negatively affect something, such as a reputation or relationship; (noun) harm or injury that is caused to a person, thing, or entity
38. the rem_____le breadth of knowledge *adj.* worthy of attention because unusual or special
39. 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
40. ac_____e success *v.* to successfully complete a task or goal, often through hard work, perseverance, and dedication; to attain or accomplish something that one has set out to do
41. in_____ce between gas and liquid *n.* (computer science) a program that controls a display for the user and that allows the user to interact with the system; (chemistry) a surface forming a common boundary between two things

ANSWERS: 34. biomechanics, 35. flee, 36. agony, 37. damage, 38. remarkable, 39. integrate, 40. achieve, 41. interface

42. phy_____cal response *adj.* relating to the normal functioning of living organisms and their organs and systems; concerning the physical or biochemical processes and activities that occur within the body
43. mor_____gy of a language *n.* the study of the form and structure of plants, animals, and other organisms; the study of the alteration of word forms as they change from one part of speech to another
44. el_____te sexual barriers *v.* to remove or get rid of someone or something
45. a weak pu__e *n.* the regular heartbeat as it sends blood around the body, especially when it is felt at the wrist or side of the neck; a solid regular vibration of sound, electric current, light, or other waves
46. fun_____al rights *adj.* forming an essential base or core from which everything else develops or is affected
47. pa_____t with weight loss *n.* a person who is receiving medical treatment, care, or attention from a healthcare professional, such as a doctor, nurse, or therapist; a personal quality or characteristic
48. the bone of a jo__t *adj.* shared, held, or made between two or more people; (noun) the point of connection between two bones or elements of a skeleton
49. the user in_____ce *n.* (computer science) a program that controls a display for the user and that allows the user to interact with the system; (chemistry) a surface forming a common boundary between two things

ANSWERS: 42. physiological, 43. morphology, 44. eliminate, 45. pulse, 46. fundamental, 47. patient, 48. joint, 49. interface

50. rem_____le achievement *adj.* worthy of attention because unusual or special
51. co_____re options *v.* to set up or arrange something in a particular way or for a specific purpose
52. con_____ted leaving school *v.* to think about a possible future action or to think about something for a long time thoughtfully
53. pl_____nt agency *n.* the act or process of putting something in a particular position or location; a temporary position or job in an organization
54. a li_____ss corpse *adj.* without life; dead
55. a def_____cy of copper and zinc *n.* the state of lack, or not having enough of, something that is essential
56. ti__a ligament *n.* the larger of the two bones in the lower leg, located between the knee and ankle
57. at___h firmly *v.* to fasten, join, or connect one thing to another
58. 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
59. mo_____nt of troops *n.* a group of people working together to achieve a shared goal, especially a political, social, or artistic one; the process of moving or being moved, physically or figuratively

ANSWERS: 50. remarkable, 51. configure, 52. contemplate, 53. placement, 54. lifeless, 55. deficiency, 56. tibia, 57. attach, 58. function, 59. movement

60. phy_____cal activity *adj.* relating to the normal functioning of living organisms and their organs and systems; concerning the physical or biochemical processes and activities that occur within the body
61. pu___y system *n.* a wheel or set of wheels with a grooved rim around which a cord or rope runs, used to change the direction or point of application of a force, especially to lift heavy objects
62. anthropology lab_____ry *n.* a workplace for doing scientific research or teaching science; a lab
63. fr_____te on the hand *n.* a medical condition that occurs when the skin and underlying tissue freeze due to exposure to extremely cold temperatures, resulting in damage or loss of tissue and, in severe cases, amputation
64. re_____on between cause and effect *n.* the way two persons or groups of people feel and act toward one another
65. ad_____e a cooperative relationship *v.* to go or move forward; to develop in a positive way
66. to a rec_____ble degree *adj.* easy to become aware of or identify
67. without in___y *n.* harm done to a person's or an animal's body caused by an accident or an attack
68. re__p software *v.* to reassign or rearrange the mapping or correlation of one set of data or information onto another

ANSWERS: 60. physiological, 61. pulley, 62. laboratory, 63. frostbite, 64. relation, 65. advance, 66. recognizable, 67. injury, 68. remap

69. l_b instrument *n.* a workplace for the conduct of scientific research; a laboratory
70. record driving aut_____lly *adv.* without needing a direct human control
71. com_____se the matter *v.* to settle a problem or disagreement by mutual concession
72. fr_____te symptoms *n.* a medical condition that occurs when the skin and underlying tissue freeze due to exposure to extremely cold temperatures, resulting in damage or loss of tissue and, in severe cases, amputation
73. ex_____t a bad attitude *v.* to show something in public for people to enjoy or to provide them with information
74. a fatal in_____y *n.* harm done to a person's or an animal's body caused by an accident or an attack
75. ant_____hic design *adj.* describing or relating to the attribution of human characteristics to non-human entities
76. r__l a ball *v.* to move in a particular direction by turning over and over or from side to side
77. ability to de_____e the differences *v.* to convert something, such as a message or piece of information, from a specific form into one that you can understand
78. ac_____e milestones *v.* to successfully complete a task or goal, often through hard work, perseverance, and dedication; to attain or accomplish something that one has set out to do

ANSWERS: 69. lab, 70. automatically, 71. compromise, 72. frostbite, 73. exhibit, 74. injury, 75. anthropomorphic, 76. roll, 77. decode, 78. achieve

79. el_____de corrosion *n.* either of two points or ends of a conductor at which electricity enters or leaves an object, substance, or region
80. co_____re alarm notification *v.* to set up or arrange something in a particular way or for a specific purpose
81. art_____al environment *adj.* not natural and made by human beings; not real but produced to resemble something
82. emb_____nt of evil *n.* someone or something that precisely expresses a characteristic or an idea
83. fire st__k *v.* to put something, usually a sharp object, into something; to restrict yourself to doing or using one certain thing and not change; (noun) a thin piece of wood or other material
84. mic_____sor chip *n.* a computer component containing all the functions of the central processing unit
85. ex_____t a great talent *v.* to show something in public for people to enjoy or to provide them with information
86. me_____e a negotiation *v.* to try to bring about an agreement or understanding between people who are in conflict
87. motion b__r *n.* a faint or indistinct image or sound; something that is not clear or distinct; (verb) to become unclear; to lose clear vision
88. in_____al component *adj.* necessary to make a whole complete; essential, or fundamental; combining with something else to form a whole; (noun, of mathematics) a fundamental concept in calculus that represents the area under a curve between two points on a graph

ANSWERS: 79. electrode, 80. configure, 81. artificial, 82. embodiment, 83. stick, 84. microprocessor, 85. exhibit, 86. mediate, 87. blur, 88. integral

89. s__p across the country *v.* to move along lightly and quickly, making a step from one foot to the other with a hop or bounce; to intentionally fail to do something which would normally do
90. ph____m limb pain *n.* a ghost or a spirit of a dead person; something existing only in your imagination or perception
91. re____al waste *adj.* relating to or constituting a remainder or leftover portion; remaining after other elements or factors have been removed or taken into account
92. improve co____ve function *adj.* of or relating to mental processes of understanding
93. di____ct from each other *adj.* noticeable from something else of a similar type
94. employment co____ct *n.* a legally binding agreement between two or more parties, setting out their rights and obligations to each other, typically in writing and enforceable by law
95. a facial ti____e *n.* an ensemble of similar cells of the animal or plant that together carry out a specific function
96. em____e from poverty *v.* to move out of or away from something and become visible
97. pl____nt test *n.* the act or process of putting something in a particular position or location; a temporary position or job in an organization

ANSWERS: 89. skip, 90. phantom, 91. residual, 92. cognitive, 93. distinct, 94. contract, 95. tissue, 96. emerge, 97. placement

98. degree in ele_____al engineering *adj.* relating to electricity
99. cy___g cop *n.* a being that is part human and part machine or technology, often created through the integration of electronic and mechanical devices
100. ve_____al takeoff *adj.* upright or perpendicular to a horizontal surface or line
101. the in_____on of new techniques *n.* the creation of a new device or process resulting from study and experimentation; the act of inventing
102. 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
103. b__r image *n.* a faint or indistinct image or sound; something that is not clear or distinct; (verb) to become unclear; to lose clear vision
104. broken ti__a *n.* the larger of the two bones in the lower leg, located between the knee and ankle
105. bid_____nal street *adj.* capable of functioning or moving in two opposite directions; involving or allowing communication or transmission in two opposite directions
106. f__x a finger *v.* to show off one's strength, power, or possessions; to bend or be capable of bending easily
107. st_____h along the coast *v.* to make or be capable of making anything longer or broader without hurting or breaking

ANSWERS: 98. electrical, 99. cyborg, 100. vertical, 101. invention, 102. integrate, 103. blur, 104. tibia, 105. bidirectional, 106. flex, 107. stretch

108. acc_____lly coincide *adv.* by chance or without planning
109. intellectual pr_____s *n.* exceptional or superior skill or ability, particularly in a physical or athletic context; valorous bravery or courage
110. tec_____cal advancement *adj.* based on scientific and industrial progress
111. pu__e waves *n.* the regular heartbeat as it sends blood around the body, especially when it is felt at the wrist or side of the neck; a solid regular vibration of sound, electric current, light, or other waves
112. met_____gy for optimizing *n.* a set of ways or principles of doing, teaching, or studying something
113. co_____d a battery *n.* authority, control, or mastery over something, often referring to military or leadership contexts; a directive, order, or instruction; expertise or confidence in a specific area; (verb) to give an authoritative order or instruction, or to be in charge or control of something
114. sc___t an image *v.* to create a work of art by carving, casting, or other shaping techniques
115. rec_____ble landmark *adj.* easy to become aware of or identify
116. robotic exo_____on *n.* a hard, external protective covering or framework that supports and gives shape to the body of an invertebrate animal, such as an insect or crab
117. ne___l stem cells *adj.* of or relating to a nerve or the nervous system that includes the brain

ANSWERS: 108. accidentally, 109. prowess, 110. technological, 111. pulse, 112. methodology, 113. command, 114. sculpt, 115. recognizable, 116. exoskeleton, 117. neural

118. a jo__t venture *adj.* shared, held, or made between two or more people; (noun) the point of connection between two bones or elements of a skeleton
119. inv_____ry muscles *adj.* acting or done without or against one's will
120. f__e abroad *v.* to leave by running away, especially out of fear or danger
121. re___e a message *v.* to establish a connection or association between two or more things; to narrate or tell about an event, experience, or relationship; to empathize or feel sympathy with someone or something
122. he_____nt to take action *adj.* unsure or uncertain about what to do or how to act; reluctant or unwilling to take action or make a decision
123. inv_____ry manslaughter *adj.* acting or done without or against one's will
124. beyond the re__m of possibility *n.* a domain of activity, interest, or knowledge
125. a learning dis_____ty *n.* a physical or mental condition that makes it difficult for someone to do some things that other people do
126. te___n grafting *n.* a strong, fibrous cord of tissue that connects muscle to bone
127. di_____ct difference *adj.* noticeable from something else of a similar type
128. economic pr_____s *n.* exceptional or superior skill or ability, particularly in a physical or athletic context; valorous bravery or courage

ANSWERS: 118. joint, 119. involuntary, 120. flee, 121. relate, 122. hesitant, 123. involuntary, 124. realm, 125. disability, 126. tendon, 127. distinct, 128. prowess

129. re_____ne customer experience *v.* to change the meaning or interpretation of something; to make people think about something in a new or different way
130. de_____d by elevator *v.* to move downward and lower; to come from, or to be connected by a relationship of blood
131. pair of an__e boots *n.* the part or joint connecting the foot to the leg
132. evolutionary bi_____y *n.* the scientific study of life and the natural processes of living things
133. ac_____e a parking brake *v.* to cause a machine or equipment to start to work
134. ve_____al axis *adj.* upright or perpendicular to a horizontal surface or line
135. pro_____ic limbs *adj.* of or relating to an artificial part of the body, such as a limb, a heart, or a breast implant
136. 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
137. pr_____y education *adj.* first or highest in rank, order, or importance; most fundamental or essential; pertaining to the initial or introductory stage of something, such as a school year or election cycle
138. co_____se a large percentage *v.* to include or consist of something; the act of making up or forming something
139. a dis_____ty pension *n.* a physical or mental condition that makes it difficult for someone to do some things that other people do

ANSWERS: 129. redefine, 130. descend, 131. ankle, 132. biology, 133. actuate, 134. vertical, 135. prosthetic, 136. prosthetic, 137. primary, 138. comprise, 139. disability

140. development of the ne_____s system *adj.* worried and anxious about something; relating to the nerves
141. hu_____g bird *adj.* producing a continuous, low, vibrating sound like that of the bee
142. take several inputs sim_____sly *adv.* at the same time
143. da___e a relationship *v.* to harm or cause injury to something or someone, often resulting in decreased value or functionality; to impair or negatively affect something, such as a reputation or relationship; (noun) harm or injury that is caused to a person, thing, or entity
144. knee re___x *n.* an automatic and unthinking response to a particular stimulus; a physical reaction to external stimuli
145. re__p memory *v.* to reassign or rearrange the mapping or correlation of one set of data or information onto another
146. escort him dow_____rs *adv.* on or to a lower or ground floor of a building
147. cannot com_____se anymore *v.* to settle a problem or disagreement by mutual concession
148. as_____le your colleagues *v.* to collect in one place as a single group
149. sy_____ic fertilizer *adj.* made by combining chemical substances as opposed to being naturally occurring
150. raise public aw_____ss *n.* the fact or state of knowing something exists and is important

ANSWERS: 140. nervous, 141. humming, 142. simultaneously, 143. damage, 144. reflex, 145. remap, 146. downstairs, 147. compromise, 148. assemble, 149. synthetic, 150. awareness

151. st__k a key in a lock *v.* to put something, usually a sharp object, into something; to restrict yourself to doing or using one certain thing and not change; (noun) a thin piece of wood or other material
152. make dr_____ic changes *adj.* very sudden, very excellent, or full of action and excitement
153. permanent br__n damage *n.* the organ inside the head that is responsible for one's movement, thought, memory, and feeling
154. ne___l networks in AI *adj.* of or relating to a nerve or the nervous system that includes the brain
155. decision-making pr_____s *n.* a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products
156. co_____se the recent past *v.* to include or consist of something; the act of making up or forming something
157. clear in_____on *n.* something you want to do and are going to do
158. l__b amputation *n.* an arm and leg of a person or animal
159. cultural pa_____gm *n.* a standard or typical example of something; a pattern or model
160. me_____e allergic reaction *v.* to try to bring about an agreement or understanding between people who are in conflict

ANSWERS: 151. stick, 152. dramatic, 153. brain, 154. neural, 155. process, 156. comprise, 157. intention, 158. limb, 159. paradigm, 160. mediate

161. hu____g sound *adj.* producing a continuous, low, vibrating sound like that of the bee
162. arch-nemesis ant_____st *n.* a person, group, or force that opposes or works against the protagonist, or the main character, in a story or drama; a person or thing that is in direct opposition or conflict with another person or group
163. aw_____ss of my ignorance *n.* the fact or state of knowing something exists and is important
164. el_____te contestants *v.* to remove or get rid of someone or something
165. ri__d structure *adj.* extremely strict and difficult to change or adapt; incapable of or resistant to bending
166. bio_____ics research *n.* the study and application of mechanical principles to biological systems, especially as related to human movement and the physical performance of athletes and performers
167. neu_____cal symptoms *adj.* of or relating to the science of neurology or the nervous system
168. amp_____on of leg *n.* the act of cutting off a part of the body surgically
169. research met_____gy *n.* a set of ways or principles of doing, teaching, or studying something
170. co_____ct a 3D image *v.* to build or create something; to assemble or combine different parts to form something whole

ANSWERS: 161. humming, 162. antagonist, 163. awareness, 164. eliminate, 165. rigid, 166. biomechanics, 167. neurological, 168. amputation, 169. methodology, 170. construct

171. the re____um of the demolished building *n.* a residue or remainder; a small amount or trace left behind after a process or event
172. muscular st____th *n.* the quality or state of being physically, or sometimes mentally, strong
173. 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
174. st____re and function of the brain *n.* the way of construction of something and the arrangement of its parts, or a complex thing constructed of many parts
175. a circular mo____nt *n.* a group of people working together to achieve a shared goal, especially a political, social, or artistic one; the process of moving or being moved, physically or figuratively
176. hand amp____on *n.* the act of cutting off a part of the body surgically
177. hyp____ze as to outcomes *v.* to form or present a theory or explanation without sufficient evidence; to speculate
178. b__t from my bed *n.* a metal bar that slides across to lock a door or window closed; a discharge of lightning accompanied by thunder; (verb) to move or jump suddenly

ANSWERS: 171. residuum, 172. strength, 173. function, 174. structure, 175. movement, 176. amputation, 177. hypothesize, 178. bolt

179. n__m of action *n.* something that is regarded as usual, typical, or standard
180. re_____ct with family *v.* to connect again after a break or interruption
181. lab_____ry accident *n.* a workplace for doing scientific research or teaching science; a lab
182. illustrative emb_____nt *n.* someone or something that precisely expresses a characteristic or an idea
183. tr__d water *v.* to step or walk on something
184. vulnerable to man_____te *v.* to influence or control something or someone to your advantage, often in an unfair or dishonest way
185. an ob_____te word *adj.* no longer in use or helpful because something newer or better has been invented and introduced
186. hu_____ty at large *n.* all people living on the earth; the quality or state of being human rather than an animal, a machine, etc.
187. de___e a message *v.* to convert something, such as a message or piece of information, from a specific form into one that you can understand
188. tw_____ht of an era *n.* the soft, diffused light from the sky when the sun is below the horizon, either from sunrise to sunrise or sunset to sunset
189. army su_____n *n.* a doctor who is trained to perform medical operations that involve cutting open a person's body

ANSWERS: 179. norm, 180. reconnect, 181. laboratory, 182. embodiment, 183. tread, 184. manipulate, 185. obsolete, 186. humanity, 187. decode, 188. twilight, 189. surgeon

190. fall li_____ss *adj.* without life; dead
191. meet with opp_____on *n.* the act of disagreeing or resisting; the state of strong disagreement
192. dy_____cs of group *n.* the branch of mechanics that deals with the motion of bodies under the action of forces, including the particular case in which a body remains at rest; forces that produce or stimulate movement, growth, or change
193. bio_____le structure *n.* a molecule produced by a living organism, typically composed of carbon, hydrogen, oxygen, nitrogen, and other elements, plays a vital role in various biological processes such as metabolism, energy production, and genetic information transfer
194. d_m collapsing *n.* a wall constructed over a river to block the flow of water, mainly used to generate energy
195. t_p keyboard with an index finger *v.* to hit someone or something quickly, gently, and often repeatedly; to use existing resources, such as energy, knowledge, etc.
196. ad_____e the technology *v.* to go or move forward; to develop in a positive way
197. look sk_____d *adv.* in or toward the sky; directed or oriented upward
198. improve pro_____ion *n.* the sense of the relative position of one's body parts and their movement, regulated by receptors in the muscles, tendons, and joints; the ability to sense where one's body is in space without relying on vision

ANSWERS: 190. lifeless, 191. opposition, 192. dynamics, 193. biomolecule, 194. dam, 195. tap, 196. advance, 197. skyward, 198. proprioception

199. in an op_____ng direction *adj.* competing, fighting, or working against each other
200. pro_____ion training *n.* the sense of the relative position of one's body parts and their movement, regulated by receptors in the muscles, tendons, and joints; the ability to sense where one's body is in space without relying on vision
201. they met acc_____lly *adv.* by chance or without planning
202. ri__d rules *adj.* extremely strict and difficult to change or adapt; incapable of or resistant to bending
203. in_____on behind his decision *n.* something you want to do and are going to do
204. myo_____al fibrosis *adj.* relating to the muscular tissue of the heart
205. art_____al flowers *adj.* not natural and made by human beings; not real but produced to resemble something
206. de_____d a steep hill *v.* to move downward and lower; to come from, or to be connected by a relationship of blood
207. com_____te his anxieties to the psychiatrist *v.* to share or exchange information with others by speaking, writing, moving your body, or using other signals
208. rep_____nt cost *n.* the act of replacing something with something else, especially that is newer or better; a person or thing that takes or can take the place of another

ANSWERS: 199. opposing, 200. proprioception, 201. accidentally, 202. rigid, 203. intention, 204. myocardial, 205. artificial, 206. descend, 207. communicate, 208. replacement

209. a mo__r mechanic	<i>n.</i> a device that converts electricity, fuel, etc. into movement and makes a machine, vehicle, etc. work
210. do l__g transplantation	<i>n.</i> either of the two organs in the chest that people and some animals use for breathing
211. get ne____s	<i>adj.</i> worried and anxious about something; relating to the nerves
212. become ob____te	<i>adj.</i> no longer in use or helpful because something newer or better has been invented and introduced
213. research on co____ve psychology	<i>adj.</i> of or relating to mental processes of understanding
214. tr__d a similar path	<i>v.</i> to step or walk on something
215. co____ct a dam	<i>v.</i> to build or create something; to assemble or combine different parts to form something whole
216. ba__s for calculation	<i>n.</i> the most important facts, ideas, or events from which something is developed; the way how things are organized or arranged
217. loss of muscle ti____e	<i>n.</i> an ensemble of similar cells of the animal or plant that together carry out a specific function
218. a bu__h of schoolgirls	<i>n.</i> a grouping of several similar things which are growing or fastened together
219. f__x diplomatic muscle	<i>v.</i> to show off one's strength, power, or possessions; to bend or be capable of bending easily

ANSWERS: 209. motor, 210. lung, 211. nervous, 212. obsolete, 213. cognitive, 214. tread, 215. construct, 216. basis, 217. tissue, 218. bunch, 219. flex

220. ant_____hic agent *adj.* describing or relating to the attribution of human characteristics to non-human entities
221. regular rep_____nt of tires *n.* the act of replacing something with something else, especially that is newer or better; a person or thing that takes or can take the place of another
222. d_m-building program *n.* a wall constructed over a river to block the flow of water, mainly used to generate energy
223. em_____al distress *adj.* relating to people's feelings
224. protein bio_____le *n.* a molecule produced by a living organism, typically composed of carbon, hydrogen, oxygen, nitrogen, and other elements, plays a vital role in various biological processes such as metabolism, energy production, and genetic information transfer
225. t_p a new market *v.* to hit someone or something quickly, gently, and often repeatedly; to use existing resources, such as energy, knowledge, etc.
226. exo_____on suit *n.* a hard, external protective covering or framework that supports and gives shape to the body of an invertebrate animal, such as an insect or crab
227. a ph_____m company *n.* a ghost or a spirit of a dead person; something existing only in your imagination or perception

ANSWERS: 220. anthropomorphic, 221. replacement, 222. dam, 223. emotional, 224. biomolecule, 225. tap, 226. exoskeleton, 227. phantom

228. re___e a story *v.* to establish a connection or association between two or more things; to narrate or tell about an event, experience, or relationship; to empathize or feel sympathy with someone or something
229. spiritual as___t *n.* the act of climbing or moving upwards, often referring to a physical ascent of a mountain or a spiritual ascent or improvement; an upward movement; the process of moving upwards
230. pr_____s improvement *n.* a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products
231. bl_____ld game *n.* a covering for the eyes used to block out light, particularly one used as a means of sensory deprivation or as a form of punishment or revenge; (verb) to cover someone's eyes with a blindfold or similar material, often as a way of preventing them from seeing something or to make a game or activity more challenging
232. stay phy_____ly fit *adv.* in a way related to a person's body or appearance rather than their mind
233. pr_____le in business *n.* a fundamental law or truth that explains or controls how something happens or works

ANSWERS: 228. relate, 229. ascent, 230. process, 231. blindfold, 232. physically, 233. principle

234. public re__m *n.* a domain of activity, interest, or knowledge
235. pr____y school *adj.* first or highest in rank, order, or importance; most fundamental or essential; pertaining to the initial or introductory stage of something, such as a school year or election cycle
236. co____d and control *n.* authority, control, or mastery over something, often referring to military or leadership contexts; a directive, order, or instruction; expertise or confidence in a specific area; (verb) to give an authoritative order or instruction, or to be in charge or control of something
237. cellular mor____gy *n.* the study of the form and structure of plants, animals, and other organisms; the study of the alteration of word forms as they change from one part of speech to another
238. re____um analysis *n.* a residue or remainder; a small amount or trace left behind after a process or event
239. a dr____ic rescue at sea *adj.* very sudden, very excellent, or full of action and excitement
240. literary ant____st *n.* a person, group, or force that opposes or works against the protagonist, or the main character, in a story or drama; a person or thing that is in direct opposition or conflict with another person or group

ANSWERS: 234. realm, 235. primary, 236. command, 237. morphology, 238. residuum, 239. dramatic, 240. antagonist

241. dedicated mic_____sor *n.* a computer component containing all the functions of the central processing unit
242. major pa_____gm shift *n.* a standard or typical example of something; a pattern or model
243. on an equal ba__s *n.* the most important facts, ideas, or events from which something is developed; the way how things are organized or arranged
244. sim_____sly affected *adv.* at the same time
245. se_____te video into chapter *v.* to force, take, or pull apart; mark as different
246. injury in a car ac_____nt *n.* an unfortunate event, especially one causing damage or injury
247. undergo a surgical pr_____re *n.* a way of doing something, especially the official or well-known way
248. b__t diameter *n.* a metal bar that slides across to lock a door or window closed; a discharge of lightning accompanied by thunder; (verb) to move or jump suddenly
249. the st_____re of a machine *n.* the way of construction of something and the arrangement of its parts, or a complex thing constructed of many parts
250. the int_____on between man and his environment *n.* the act of connecting with someone, mainly when working, playing, or spending time with them
251. an__e injury *n.* the part or joint connecting the foot to the leg

ANSWERS: 241. microprocessor, 242. paradigm, 243. basis, 244. simultaneously, 245. separate, 246. accident, 247. procedure, 248. bolt, 249. structure, 250. interaction, 251. ankle

252. con_____te a marriage *v.* to think about a possible future action or to think about something for a long time thoughtfully
253. the as___t of a rocket *n.* the act of climbing or moving upwards, often referring to a physical ascent of a mountain or a spiritual ascent or improvement; an upward movement; the process of moving upwards
254. an ele_____al storm *adj.* relating to electricity
255. te___n collagen *n.* a strong, fibrous cord of tissue that connects muscle to bone
256. movable pu___y *n.* a wheel or set of wheels with a grooved rim around which a cord or rope runs, used to change the direction or point of application of a force, especially to lift heavy objects
257. su_____ro comics *n.* a fictional hero who possesses extraordinary powers and abilities and is dedicated to protecting the public
258. ex___e the crowd *v.* to make someone feel suddenly enthusiastic or eager
259. grow in fl__h *n.* the soft substance composing the body of a person or animal, as opposed to bones and other structures
260. opp_____on campaign *n.* the act of disagreeing or resisting; the state of strong disagreement
261. platinum el_____des *n.* either of two points or ends of a conductor at which electricity enters or leaves an object, substance, or region

ANSWERS: 252. contemplate, 253. ascent, 254. electrical, 255. tendon, 256. pulley, 257. superhero, 258. excite, 259. flesh, 260. opposition, 261. electrode

262. s__r to new heights *v.* to fly or rise very high or to a great height, often with great grace or ease
263. basic br__n function *n.* the organ inside the head that is responsible for one's movement, thought, memory, and feeling
264. fever with neu_____cal signs *adj.* of or relating to the science of neurology or the nervous system
265. adv_____nt of knowledge *n.* the development, improvement, or progress of something
266. the professor of su_____y *n.* medical treatment of injuries or diseases involving an incision with instruments and often removing or replacing some parts of the body; the branch of medical science that treats disease or injury by operative procedures
267. man_____te figures *v.* to influence or control something or someone to your advantage, often in an unfair or dishonest way
268. am_____te below the knee *v.* to cut off a part of the body, especially by surgery
269. en_____e the flavor of the vanilla *v.* to increase or improve the quality, amount, or strength of someone or something
270. em___e as a butterfly *v.* to move out of or away from something and become visible
271. gaze sk_____d *adv.* in or toward the sky; directed or oriented upward
272. co_____ct law *n.* a legally binding agreement between two or more parties, setting out their rights and obligations to each other, typically in writing and enforceable by law

ANSWERS: 262. soar, 263. brain, 264. neurological, 265. advancement, 266. surgery, 267. manipulate, 268. amputate, 269. enhance, 270. emerge, 271. skyward, 272. contract

273. dy____c person *adj.* having a lot of energy, ideas, and enthusiasm, and a strong personality; of or relating to dynamics (= the branch of physics and engineering concerned with the forces that cause motions of bodies)
274. legal in____cy *n.* the quality of being complex, detailed, or highly involved; the existence of many interrelated parts or elements
275. in____al function *adj.* necessary to make a whole complete; essential, or fundamental; combining with something else to form a whole; (noun, of mathematics) a fundamental concept in calculus that represents the area under a curve between two points on a graph
276. int____on among human beings *n.* the act of connecting with someone, mainly when working, playing, or spending time with them
277. needle pu____re *n.* a small hole or wound made by piercing, such as with a needle, nail, or pointed object
278. re____ct a telephone *v.* to connect again after a break or interruption
279. re____al income *adj.* relating to or constituting a remainder or leftover portion; remaining after other elements or factors have been removed or taken into account
280. st____h a story *v.* to make or be capable of making anything longer or broader without hurting or breaking

ANSWERS: 273. dynamic, 274. intricacy, 275. integral, 276. interaction, 277. puncture, 278. reconnect, 279. residual, 280. stretch

281. common in_____on	<i>n.</i> the creation of a new device or process resulting from study and experimentation; the act of inventing
282. a bu__h of trees	<i>n.</i> a grouping of several similar things which are growing or fastened together
283. fun_____al education	<i>adj.</i> forming an essential base or core from which everything else develops or is affected
284. cause an ac_____nt	<i>n.</i> an unfortunate event, especially one causing damage or injury
285. su_____ro movies	<i>n.</i> a fictional hero who possesses extraordinary powers and abilities and is dedicated to protecting the public
286. ex_____al commerce	<i>adj.</i> belonging to or situated outside of someone or something
287. ex____d a line	<i>v.</i> to broaden in scope, range, or area
288. career adv_____nt	<i>n.</i> the development, improvement, or progress of something
289. re_____ne our role	<i>v.</i> to change the meaning or interpretation of something; to make people think about something in a new or different way
290. as_____le a jigsaw puzzle	<i>v.</i> to collect in one place as a single group
291. su____r bad grades	<i>v.</i> to experience pain, distress, or hardship; to undergo or endure something painful or unpleasant
292. em_____al health	<i>adj.</i> relating to people's feelings

ANSWERS: 281. invention, 282. bunch, 283. fundamental, 284. accident, 285. superhero, 286. external, 287. extend, 288. advancement, 289. redefine, 290. assemble, 291. suffer, 292. emotional

293. au____t the reality
v. to increase the size, extent, quantity, etc. of something by adding something to it
294. a dy____c market
adj. having a lot of energy, ideas, and enthusiasm, and a strong personality; of or relating to dynamics (= the branch of physics and engineering concerned with the forces that cause motions of bodies)
295. pa____t in the hospital
n. a person who is receiving medical treatment, care, or attention from a healthcare professional, such as a doctor, nurse, or therapist; a personal quality or characteristic
296. s__p breakfast
v. to move along lightly and quickly, making a step from one foot to the other with a hop or bounce; to intentionally fail to do something which would normally do
297. re____on of inclusion
n. the way two persons or groups of people feel and act toward one another
298. se____te cream from milk
v. to force, take, or pull apart; mark as different
299. en____er shortage
n. a person whose job is designing, building, or maintaining something such as machines, structures, or software
300. a prosthetic l__b
n. an arm and leg of a person or animal
301. ac____e the circuits
v. to cause a machine or equipment to start to work
302. 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: 293. augment, 294. dynamic, 295. patient, 296. skip, 297. relation, 298. separate, 299. engineer, 300. limb, 301. actuate, 302. bionic

303. ex____al factors *adj.* belonging to or situated outside of someone or something
304. DC mo__r control *n.* a device that converts electricity, fuel, etc. into movement and makes a machine, vehicle, etc. work
305. op____ng counsel *adj.* competing, fighting, or working against each other
306. he____nt response *adj.* unsure or uncertain about what to do or how to act; reluctant or unwilling to take action or make a decision
307. re____x test *n.* an automatic and unthinking response to a particular stimulus; a physical reaction to external stimuli
308. at____h a file to an e-mail *v.* to fasten, join, or connect one thing to another
309. l__g capacity *n.* either of the two organs in the chest that people and some animals use for breathing
310. con_____tly unable to start her studies *adv.* as a result or outcome of something
311. cy____g technology *n.* a being that is part human and part machine or technology, often created through the integration of electronic and mechanical devices
312. ree_____sh ties *v.* to establish again or anew; to restore something that was lost or disrupted, often relating to an organization, relationship, or system
313. st____th of the economy *n.* the quality or state of being physically, or sometimes mentally, strong

ANSWERS: 303. external, 304. motor, 305. opposing, 306. hesitant, 307. reflex, 308. attach, 309. lung, 310. consequently, 311. cyborg, 312. reestablish, 313. strength

314. aut_____lly adjusted *adv.* without needing a direct human control
315. su_____ly attacked by an enemy *adv.* quickly and unexpectedly
316. tec_____cal policy *adj.* based on scientific and industrial progress
317. bl_____ld challenge *n.* a covering for the eyes used to block out light, particularly one used as a means of sensory deprivation or as a form of punishment or revenge; (verb) to cover someone's eyes with a blindfold or similar material, often as a way of preventing them from seeing something or to make a game or activity more challenging
318. en_____e value *v.* to increase or improve the quality, amount, or strength of someone or something
319. medical l_b *n.* a workplace for the conduct of scientific research; a laboratory
320. au_____t immunity *v.* to increase the size, extent, quantity, etc. of something by adding something to it
321. a civil en_____er *n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software
322. the in_____cy of the design *n.* the quality of being complex, detailed, or highly involved; the existence of many interrelated parts or elements
323. com_____te well with my advisor *v.* to share or exchange information with others by speaking, writing, moving your body, or using other signals

ANSWERS: 314. automatically, 315. suddenly, 316. technological, 317. blindfold, 318. enhance, 319. lab, 320. augment, 321. engineer, 322. intricacy, 323. communicate

324. an aw____d date *adj.* making you feel uncomfortable or embarrassed; causing inconvenience or difficulty
325. fl__h eating *n.* the soft substance composing the body of a person or animal, as opposed to bones and other structures
326. bid_____nal communication *adj.* capable of functioning or moving in two opposite directions; involving or allowing communication or transmission in two opposite directions

ANSWERS: 324. awkward, 325. flesh, 326. bidirectional

Session 3: Fill in the Blanks

1. The _____ partially destroyed my vehicle.
n. an unfortunate event, especially one causing damage or injury
2. She was _____ to speak in public but eventually overcame her fear.
adj. unsure or uncertain about what to do or how to act; reluctant or unwilling to take action or make a decision
3. As a result of improvements in _____ performance, many consumer electronics products are now Internet-connected.
n. a computer component containing all the functions of the central processing unit
4. 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
5. The lab tested the soil samples and found a high concentration of chemical _____.
n. a residue or remainder; a small amount or trace left behind after a process or event
6. He spent hours every day _____ figures out of clay.
v. to create a work of art by carving, casting, or other shaping techniques
7. _____ diamonds play an essential role as machine tool blades.
adj. made by combining chemical substances as opposed to being naturally occurring

ANSWERS: 1. accident, 2. hesitant, 3. microprocessor, 4. function, 5. residuum, 6. sculpting, 7. Synthetic

8. We can _____ this possibility from those consumptions.
v. to remove or get rid of someone or something
9. _____ advances have disrupted many industries.
adj. based on scientific and industrial progress
10. The statement had a _____ impact on house prices.
adj. very sudden, very excellent, or full of action and excitement
11. This evidence will form the _____ for our discussion.
n. the most important facts, ideas, or events from which something is developed;
the way how things are organized or arranged
12. The team _____ players from different countries.
v. to include or consist of something; the act of making up or forming something
13. Please tell me how to _____ this computer.
v. to influence or control something or someone to your advantage, often in an
unfair or dishonest way
14. One bad apple spoils the whole _____.
n. a grouping of several similar things which are growing or fastened together
15. The break in the ____ threatened the valley.
n. a wall constructed over a river to block the flow of water, mainly used to
generate energy
16. The drug's side effects can include _____ loss of urine.
adj. acting or done without or against one's will

ANSWERS: 8. eliminate, 9. Technological, 10. dramatic, 11. basis, 12. comprises, 13. manipulate, 14. bunch, 15. dam, 16. involuntary

17. Health and _____ are, above all, gold.
n. the quality or state of being physically, or sometimes mentally, strong
18. You _____ a bill in the change machine, and the coins pop out.
v. to put something, usually a sharp object, into something; to restrict yourself to doing or using one certain thing and not change; (noun) a thin piece of wood or other material
19. The study of _____ is important in understanding the physical implications of movement and sports performance.
n. the study and application of mechanical principles to biological systems, especially as related to human movement and the physical performance of athletes and performers
20. He was _____ killed by friendly fire.
adv. by chance or without planning
21. The election was a _____ success for the Whigs.
adj. worthy of attention because unusual or special
22. The systems we have developed has accepted as industry _____.
n. something that is regarded as usual, typical, or standard
23. There has been a gradual but steady rise in environmental _____.
n. the fact or state of knowing something exists and is important
24. The physical examination revealed no abnormalities in the patient's _____ structure.
adj. relating to the muscular tissue of the heart

ANSWERS: 17. strength, 18. stick, 19. biomechanics, 20. accidentally, 21. remarkable, 22. norms, 23. awareness, 24. myocardial

25. The idea of a superhuman _____ army is a popular trope in action movies.
- n.* a being that is part human and part machine or technology, often created through the integration of electronic and mechanical devices
26. Athletes rely heavily on _____ to perform complex movements with precision.
- n.* the sense of the relative position of one's body parts and their movement, regulated by receptors in the muscles, tendons, and joints; the ability to sense where one's body is in space without relying on vision
27. 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
28. I recently _____ dropping out of school and getting a full-time job.
- v.* to think about a possible future action or to think about something for a long time thoughtfully
29. The _____ design of the interface made the operation difficult.
- adj.* making you feel uncomfortable or embarrassed; causing inconvenience or difficulty
30. Superman is a classic _____ known for his superhuman strength and flying ability.
- n.* a fictional hero who possesses extraordinary powers and abilities and is dedicated to protecting the public
31. 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

ANSWERS: 25. cyborg, 26. proprioception, 27. integrate, 28. contemplated, 29. awkward, 30. superhero, 31. relations

32. _____ the company had to lay off some of its employees.
adv. as a result or outcome of something
33. After the summit meeting, the prime ministers issued a _____ statement.
adj. shared, held, or made between two or more people; (noun) the point of connection between two bones or elements of a skeleton
34. Energy-efficient _____ are needed to maximize the cruising distance of electric vehicles.
n. a device that converts electricity, fuel, etc. into movement and makes a machine, vehicle, etc. work
35. I need to _____ the keys on my keyboard to make it more comfortable for typing.
v. to reassign or rearrange the mapping or correlation of one set of data or information onto another
36. The _____ cause of the accident was due to the icy road conditions.
adj. first or highest in rank, order, or importance; most fundamental or essential; pertaining to the initial or introductory stage of something, such as a school year or election cycle
37. The clockwork mechanism of the antique watch showed incredible _____.
n. the quality of being complex, detailed, or highly involved; the existence of many interrelated parts or elements
38. He accidentally sprained his _____ playing squash.
n. the part or joint connecting the foot to the leg
39. Economic factors and monetary policy _____ inflation.
v. to increase the size, extent, quantity, etc. of something by adding something to it

ANSWERS: 32. Consequently, 33. joint, 34. motors, 35. remap, 36. primary, 37. intricacy, 38. ankle, 39. augmented

40. New technology has rendered my old smartphone _____.

adj. no longer in use or helpful because something newer or better has been invented and introduced

41. Effective communication is an _____ part of any successful team.

adj. necessary to make a whole complete; essential, or fundamental; combining with something else to form a whole; (noun, of mathematics) a fundamental concept in calculus that represents the area under a curve between two points on a graph

42. 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

43. Her visit will _____ from Monday to Friday.

v. to broaden in scope, range, or area

44. Some herds have been observed to _____ hundreds of kilometers.

v. to make or be capable of making anything longer or broader without hurting or breaking

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

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

46. My leg kicked involuntarily when the doctor tapped my knee with the _____ hammer.

n. an automatic and unthinking response to a particular stimulus; a physical reaction to external stimuli

ANSWERS: 40. obsolete, 41. integral, 42. prosthetic, 43. extend, 44. stretch, 45. process, 46. reflex

47. The _____ properties of stem cells make them a promising area of research.

adj. tending to regrow or restore lost or injured tissue

48. We demand his _____.

n. the act of replacing something with something else, especially that is newer or better; a person or thing that takes or can take the place of another

49. The doctor carefully examined the _____ medical history.

n. a person who is receiving medical treatment, care, or attention from a healthcare professional, such as a doctor, nurse, or therapist; a personal quality or characteristic

50. After a long period of estrangement, they _____ with each other.

v. to connect again after a break or interruption

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

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

52. He postulated a completely different _____ to explain all these phenomena.

n. a standard or typical example of something; a pattern or model

53. He suffers from _____ breakdowns.

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

54. The pilot and flight attendant ran through the check-out _____.

n. a way of doing something, especially the official or well-known way

55. During the surgery, the doctor had to be extremely cautious not to _____ a blood vessel.

v. to harm or cause injury to something or someone, often resulting in decreased value or functionality; to impair or negatively affect something, such as a reputation or relationship; (noun) harm or injury that is caused to a person, thing, or entity

ANSWERS: 47. regenerative, 48. replacement, 49. patient's, 50. reconnected, 51.

laboratory, 52. paradigm, 53. nervous, 54. procedure, 55. damage

56. His _____ faculties were getting worse because of a lack of sleep.

adj. of or relating to mental processes of understanding

57. The bird _____ through the sky, and its wings spread wide.

v. to fly or rise very high or to a great height, often with great grace or ease

58. The police frantically searched for clues to the _____ killer.

n. a ghost or a spirit of a dead person; something existing only in your imagination or perception

59. The tire had a _____ and needed to be replaced.

n. a small hole or wound made by piercing, such as with a needle, nail, or pointed object

60. The news of her promotion _____ her.

v. to make someone feel suddenly enthusiastic or eager

61. During colonial eras, new migratory patterns _____.

v. to move out of or away from something and become visible

62. I need to _____ my computer's settings to connect to the internet.

v. to set up or arrange something in a particular way or for a specific purpose

63. Scientists _____ that the new fish species evolved to survive in deep-sea environments.

v. to form or present a theory or explanation without sufficient evidence; to speculate

64. The hikers experienced a difficult _____ to the summit due to the steep and rocky terrain.

n. the act of climbing or moving upwards, often referring to a physical ascent of a mountain or a spiritual ascent or improvement; an upward movement; the process of moving upwards

ANSWERS: 56. cognitive, 57. soared, 58. phantom, 59. puncture, 60. excited, 61. emerged, 62. configure, 63. hypothesize, 64. ascent

65. Human _____ responses vary widely depending on the society to which they belong.
adj. relating to people's feelings
66. The doctor explained the various _____ changes that occur during pregnancy.
adj. relating to the normal functioning of living organisms and their organs and systems; concerning the physical or biochemical processes and activities that occur within the body
67. The _____ of the fruit is sweet and juicy.
n. the soft substance composing the body of a person or animal, as opposed to bones and other structures
68. The rocket soared _____ leaving behind a trail of smoke and fire.
adv. in or toward the sky; directed or oriented upward
69. The gymnast was able to _____ his muscles to perform the difficult routine.
v. to show off one's strength, power, or possessions; to bend or be capable of bending easily
70. They donated large sums of money for the development of _____.
n. all people living on the earth; the quality or state of being human rather than an animal, a machine, etc.
71. The sprinter has a _____ way of running.
adj. having a lot of energy, ideas, and enthusiasm, and a strong personality; of or relating to dynamics (= the branch of physics and engineering concerned with the forces that cause motions of bodies)

ANSWERS: 65. emotional, 66. physiological, 67. flesh, 68. skyward, 69. flex, 70. humanity, 71. dynamic

72. The _____ of the advertisement on the billboard was strategic in attracting a large audience.

n. the act or process of putting something in a particular position or location; a temporary position or job in an organization

73. The _____ intelligence system has revolutionized the way we live and work.

adj. not natural and made by human beings; not real but produced to resemble something

74. The devil is the _____ of wicked ideas.

n. someone or something that precisely expresses a characteristic or an idea

75. We are developing a new _____ for assessing marketing measures.

n. a set of ways or principles of doing, teaching, or studying something

76. Competition between countries resulted in fast technological _____.

n. the development, improvement, or progress of something

77. The older man _____ from arthritis and finds it difficult to move around.

v. to experience pain, distress, or hardship; to undergo or endure something painful or unpleasant

78. The _____ flow of information allows for efficient communication between the two departments.

adj. capable of functioning or moving in two opposite directions; involving or allowing communication or transmission in two opposite directions

79. Detergent weakens the surface tension at the _____ of two liquids.

n. (computer science) a program that controls a display for the user and that allows the user to interact with the system; (chemistry) a surface forming a common boundary between two things

ANSWERS: 72. placement, 73. artificial, 74. embodiment, 75. methodology, 76. advancement, 77. suffers, 78. bidirectional, 79. interface

80. Vitamin _____ can lead to various illnesses.

n. the state of lack, or not having enough of, something that is essential

81. Efficiency isn't an essential _____ here; fairness is.

n. a fundamental law or truth that explains or controls how something happens or works

82. It is essential to keep these two issues _____.

adj. noticeable from something else of a similar type

83. My accidental _____ got better right away.

n. harm done to a person's or an animal's body caused by an accident or an attack

84. Other technology industries _____ similarly explosive growth.

v. to show something in public for people to enjoy or to provide them with information

85. The patient was diagnosed with a _____ disorder affecting their motor skills.

adj. of or relating to the science of neurology or the nervous system

86. The new strategy will _____ the profitability of our company.

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

87. The construction worker used a fixed _____ to lift the heavy equipment to the top floor.

n. a wheel or set of wheels with a grooved rim around which a cord or rope runs, used to change the direction or point of application of a force, especially to lift heavy objects

ANSWERS: 80. deficiency, 81. principle, 82. distinct, 83. injury, 84. exhibit, 85. neurological, 86. enhance, 87. pulley

88. He had undergone heart _____ years before.
n. medical treatment of injuries or diseases involving an incision with instruments and often removing or replacing some parts of the body; the branch of medical science that treats disease or injury by operative procedures
89. 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
90. The athlete fell to the ground in _____ after injuring their ankle.
n. extreme physical or mental pain or suffering, often prolonged or intense
91. The _____ of the bees filled the air as she walked through the garden.
adj. producing a continuous, low, vibrating sound like that of the bee
92. _____ injuries are common among athletes.
n. a strong, fibrous cord of tissue that connects muscle to bone
93. Who answers _____ knows little.
adv. quickly and unexpectedly
94. The software could _____ the encrypted data and reveal the hidden information.
v. to convert something, such as a message or piece of information, from a specific form into one that you can understand
95. To expand the company, we must _____ new human resources.
v. to hit someone or something quickly, gently, and often repeatedly; to use existing resources, such as energy, knowledge, etc.

ANSWERS: 88. surgery, 89. biology, 90. agony, 91. humming, 92. Tendon, 93. suddenly, 94. decode, 95. tap

96. When a company discloses information to the market, an _____ auditor verifies them.

adj. belonging to or situated outside of someone or something

97. The camera's focus was off, and the image was a _____ of colors and shapes.

n. a faint or indistinct image or sound; something that is not clear or distinct; (verb) to become unclear; to lose clear vision

98. DNA is a complex _____ that contains the genetic information of an organism.

n. a molecule produced by a living organism, typically composed of carbon, hydrogen, oxygen, nitrogen, and other elements, plays a vital role in various biological processes such as metabolism, energy production, and genetic information transfer

99. The researcher separated the nervous _____ for microscopic examinations.

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

100. They are planning to _____ the house after the fire.

v. to build again or anew

101. Please get the desk _____.

adv. on or to a lower or ground floor of a building

102. _____ of the limb is a last resort for the patient.

n. the act of cutting off a part of the body surgically

103. The athlete had to quit the race due to severe _____ on his feet.

n. a medical condition that occurs when the skin and underlying tissue freeze due to exposure to extremely cold temperatures, resulting in damage or loss of tissue and, in severe cases, amputation

ANSWERS: 96. external, 97. blur, 98. biomolecule, 99. tissue, 100. rebuild, 101. downstairs, 102. Amputation, 103. frostbite

104. The athlete's _____ in her sport earned her many accolades.

- n.* exceptional or superior skill or ability, particularly in a physical or athletic context; valorous bravery or courage

105. I will work hard to _____ my goals and realize my dreams.

- v.* to successfully complete a task or goal, often through hard work, perseverance, and dedication; to attain or accomplish something that one has set out to do

106. The sky was a beautiful pink and orange color at _____.

- n.* the soft, diffused light from the sky when the sun is below the horizon, either from sunrise to sunrise or sunset to sunset

107. A stress fracture in the _____ can be caused by overuse or repetitive force on the bone.

- n.* the larger of the two bones in the lower leg, located between the knee and ankle

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

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

109. The organizational _____ of start-ups is often flat and straightforward.

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

110. He _____ carefully on the slippery ice.

- v.* to step or walk on something

111. The general gave a _____ to his troops to prepare for battle.

- n.* authority, control, or mastery over something, often referring to military or leadership contexts; a directive, order, or instruction; expertise or confidence in a specific area; (verb) to give an authoritative order or instruction, or to be in charge or control of something

ANSWERS: 104. prowess, 105. achieve, 106. twilight, 107. tibia, 108. descended, 109. structure, 110. treads, 111. command

112. Our CEO's _____ are always transparent and straightforward.
n. something you want to do and are going to do
113. The _____ robot was designed to have a human-like appearance.
adj. describing or relating to the attribution of human characteristics to non-human entities
114. The _____ of the crab protects it from predators and environmental changes.
n. a hard, external protective covering or framework that supports and gives shape to the body of an invertebrate animal, such as an insect or crab
115. We need to _____ the aspect of his personality from the part of his competence when making an investment decision.
v. to force, take, or pull apart; mark as different
116. Having a _____ healthy physique is essential for a great life.
adv. in a way related to a person's body or appearance rather than their mind
117. The teacher had to _____ a disagreement between two students over a stolen pencil.
v. to try to bring about an agreement or understanding between people who are in conflict
118. He was exhausted and _____ into bed as soon as he got home.
v. to move in a particular direction by turning over and over or from side to side
119. He was unpopular because of his _____ adherence to the rules.
adj. extremely strict and difficult to change or adapt; incapable of or resistant to bending

ANSWERS: 112. intentions, 113. anthropomorphic, 114. exoskeleton, 115. separate, 116. physically, 117. mediate, 118. rolled, 119. rigid

120. He _____ hypotheses that no mathematician has ever imagined before.

- v.* to build or create something; to assemble or combine different parts to form something whole

121. It is a basic instinct to _____ from a dangerous situation.

- v.* to leave by running away, especially out of fear or danger

122. Necessity is the mother of _____.

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

123. He is a skilled _____ that has many years of training and experience.

- n.* a doctor who is trained to perform medical operations that involve cutting open a person's body

124. He does not _____ importance to these rumors.

- v.* to fasten, join, or connect one thing to another

125. The ladder leaned against the _____ surface of the building.

- adj.* upright or perpendicular to a horizontal surface or line

126. 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

127. We have no intention of _____ his idea.

- adj.* competing, fighting, or working against each other

128. Actuators convert _____ pulses into motion.

- adj.* relating to electricity

ANSWERS: 120. constructs, 121. flee, 122. invention, 123. surgeon, 124. attach, 125. vertical, 126. brain, 127. opposing, 128. electrical

129. We _____ the topic because it was too complicated.

- v.* to move along lightly and quickly, making a step from one foot to the other with a hop or bounce; to intentionally fail to do something which would normally do

130. Two students answered the teacher's question _____.

- adv.* at the same time

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

- adj.* easy to become aware of or identify

132. Scientific knowledge will _____ significantly with the power of AI.

- v.* to go or move forward; to develop in a positive way

133. The _____ of the dancers on stage was graceful and elegant.

- n.* a group of people working together to achieve a shared goal, especially a political, social, or artistic one; the process of moving or being moved, physically or figuratively

134. The _____ will repair my telephone tomorrow morning.

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

135. The president began to _____ an army.

- v.* to collect in one place as a single group

136. Our subscription plan is _____ renewed.

- adv.* without needing a direct human control

137. Her passions are in the _____ of real-world political affairs.

- n.* a domain of activity, interest, or knowledge

ANSWERS: 129. skipped, 130. simultaneously, 131. recognizable, 132. advance, 133. movement, 134. engineer, 135. assemble, 136. automatically, 137. realm

138. The _____ in the movie is a corrupt government official who obstructed the protagonist's mission.
- n.* a person, group, or force that opposes or works against the protagonist, or the main character, in a story or drama; a person or thing that is in direct opposition or conflict with another person or group
139. Human behavior has _____ characteristics.
- adj.* forming an essential base or core from which everything else develops or is affected
140. They never _____ on development despite the lack of funds.
- v.* to settle a problem or disagreement by mutual concession
141. The relationship _____ between the two countries were complex and constantly changing.
- n.* the branch of mechanics that deals with the motion of bodies under the action of forces, including the particular case in which a body remains at rest; forces that produce or stimulate movement, growth, or change
142. 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
143. The lightning _____ twiggged in several directions.
- n.* a metal bar that slides across to lock a door or window closed; a discharge of lightning accompanied by thunder; (verb) to move or jump suddenly
144. The doctor administered a _____ test to evaluate the patient's sense of touch.
- n.* a covering for the eyes used to block out light, particularly one used as a means of sensory deprivation or as a form of punishment or revenge; (verb) to cover someone's eyes with a blindfold or similar material, often as a way of preventing them from seeing something or to make a game or activity more challenging

ANSWERS: 138. antagonist, 139. fundamental, 140. compromised, 141. dynamics, 142. bionic, 143. bolt, 144. blindfold

145. Finally, they had to _____ his foot to free him from the wrecked car.

- v. to cut off a part of the body, especially by surgery

146. The _____ of rocks can reveal clues about their geological history.

- n. the study of the form and structure of plants, animals, and other organisms; the study of the alteration of word forms as they change from one part of speech to another

147. A desire for success _____ her.

- v. to cause a machine or equipment to start to work

148. It is important to place the _____ in the correct position for accurate electro-cardiogram recording.

- n. either of two points or ends of a conductor at which electricity enters or leaves an object, substance, or region

149. The _____ party strongly disagreed with the government's proposed legislation.

- n. the act of disagreeing or resisting; the state of strong disagreement

150. We need to _____ our relationship after our argument.

- v. to establish again or anew; to restore something that was lost or disrupted, often relating to an organization, relationship, or system

151. The company signed a _____ with the supplier for the delivery of goods.

- n. a legally binding agreement between two or more parties, setting out their rights and obligations to each other, typically in writing and enforceable by law

152. He tried to _____ his experience to the group, but they couldn't understand.

- v. to establish a connection or association between two or more things; to narrate or tell about an event, experience, or relationship; to empathize or feel sympathy with someone or something

ANSWERS: 145. amputate, 146. morphology, 147. actuated, 148. electrodes, 149. opposition, 150. reestablish, 151. contract, 152. relate

153. The Prime Minister will pay a courtesy visit to the Nobel laureate's ____.
- n.* a workplace for the conduct of scientific research; a laboratory
154. The cardiac monitor displays the intensity of your ____.
- n.* the regular heartbeat as it sends blood around the body, especially when it is felt at the wrist or side of the neck; a solid regular vibration of sound, electric current, light, or other waves
155. The plant had a _____ appearance, indicating that it was not getting enough water.
- adj.* without life; dead
156. The scientist found _____ traces of the chemical in the water sample.
- adj.* relating to or constituting a remainder or leftover portion; remaining after other elements or factors have been removed or taken into account
157. Dolphins use sound to _____ with each other.
- v.* to share or exchange information with others by speaking, writing, moving your body, or using other signals
158. He has terminal ____ cancer.
- n.* either of the two organs in the chest that people and some animals use for breathing
159. The video telephony application has _____ the way we work.
- v.* to change the meaning or interpretation of something; to make people think about something in a new or different way
160. There was a disturbance of _____ function.
- adj.* of or relating to a nerve or the nervous system that includes the brain

ANSWERS: 153. lab, 154. pulse, 155. lifeless, 156. residual, 157. communicate, 158. lung, 159. redefined, 160. neural

161. You should wrap the bandage carefully and firmly around the injured _____.

n. an arm and leg of a person or animal

162. The _____ of the two groups is good for brainstorming.

n. the act of connecting with someone, mainly when working, playing, or spending time with them

163. Listening to music at a high volume may lead to a hearing _____.

n. a physical or mental condition that makes it difficult for someone to do some things that other people do

ANSWERS: 161. limb, 162. interaction, 163. disability