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Vocabulary Builder Reference from...

Molly Stevens: A new way to grow bone | TED Talk
https://www.ted.com/talks/molly_stevens_a_new_way_to_grow_bone

All Words

IMPORTANT

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Session 1: Word List

improve

v. to make or become better

synonym: enhance, ameliorate, enrich

(1) **improve** a process, (2) **improve** the test score

We want to **improve** ties between our two countries.

minimize

v. to make something, especially something bad, small or less serious

synonym: diminish, mitigate, belittle

(1) **minimize** a loss, (2) way to **minimize** conflict

I bought a gadget before my trip to help **minimize** stress during the flight.

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.

cancer

n. abnormal growth of cells that can invade and destroy surrounding tissues and organs; a disease characterized by the uncontrolled growth and spread of abnormal cells

synonym: tumor, carcinoma, malignancy

(1) **cancer** diagnosis, (2) **cancer** research

Breast **cancer** is the most common type of cancer in women.

diabetes

n. a medical condition in which the body cannot produce enough insulin to control the glucose levels in the blood

(1) juvenile **diabetes**, (2) **diabetes** patient

My father was tested for **diabetes**.

disease

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

synonym: illness, ailment, affliction

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

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

biomaterial

n. a substance, usually synthetic, that is used for medical or veterinary purposes and is designed to mimic or replace biological tissues

(1) **biomaterial** development, (2) **biomaterials** industry

The new **biomaterials** used in implants are more durable and less likely to cause an immune response.

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**.

fascinate

v. to attract and hold the attention of someone deeply and irresistibly

synonym: captivate, intrigue, mesmerize

(1) **fascinate** the public, (2) **fascinate** the young

The magic tricks **fascinated** the children.

creative

adj. relating to or involving the use of skill and original and unusual ideas to create something

synonym : imaginative, innovative, inventive

(1) **creative** writing, (2) barren of **creative** spirit

All the supervisor has to do is assign tasks that make his subordinates more **creative**.

nacre

n. a type of iridescent, lustrous material that is found on the inside of some shells and pearls

synonym : mother-of-pearl, pearl, iridescent layer

(1) **nacre** jewelry, (2) **nacre** buttons

The **nacre** of the pearl gave it its beautiful iridescent sheen.

shell

n. hard outer covering or case of eggs, nuts, some seeds, and some animals

synonym : ammunition, armor, cover

(1) an egg **shell**, (2) a mollusk **shell**

The outermost electron **shell** determines the chemical properties of an atom.

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**.

durable

adj. capable of lasting and being used for a long time without being damaged or destroyed

synonym : enduring, stable, long-lasting

(1) **durable** peace, (2) **durable** materials

Our company's products are made of highly **durable** materials.

jaw

n. either of the two bones at the bottom of the face that moves when you open your mouth; (verb) talk socially without exchanging too much information

synonym : mouth, (verb) chitchat

(1) snatch victory from the **jaws** of defeat, (2) **jaw** muscle

He dropped his **jaw** at the unexpected sight.

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.

sophisticated

adj. having a great deal of worldly experience and knowledge of people's behavior, culture, and fashion

synonym : refined, cultured, worldly

(1) **sophisticated** look, (2) a **sophisticated** lifestyle

Marketing strategies are growing more **sophisticated**.

specific

adj. clearly defined or particular to a certain thing or situation; distinct, explicit, and precise

synonym : particular, definite, distinct

(1) **specific** instructions, (2) industry- **specific** regulations

The scientist conducted a study that provided **specific** details about the species' behavior.

chemistry

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

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

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

architecture

n. the art and science of designing and constructing buildings

synonym : design, structure, layout

(1) **architecture** design, (2) classic **architecture**

The city is known for its impressive **architecture** and beautiful old buildings.

Bluetooth

n. a short-range wireless communication technology that allows electronic devices to connect and exchange data wirelessly over short distances, commonly used for connecting devices such as smartphones, headphones, and speakers

(1) **Bluetooth** connection, (2) **Bluetooth-enabled** device
I need a **Bluetooth** headset for my conference calls.

physician

n. a medical doctor who practices medicine

synonym: doctor, practitioner, medic

(1) the advice of the **physician**, (2) consult with a **physician**
She visited the local **physician** to seek treatment for her persistent headache.

ophthalmology

n. the branch of medicine that deals with the anatomy, physiology, and diseases of the eye

synonym: eye care, optometry, eye medicine

(1) **ophthalmology** practice, (2) **ophthalmology** clinic
My grandfather had a problem with his eyes and went to an **ophthalmology** specialist.

pilot

n. a person who flies an aircraft, especially as a job; a person qualified to guide ships through a difficult area of water

synonym: aviator, flyer, chief

(1) a test **pilot**, (2) **pilot** production
The **pilot** exercised great care in landing.

shard

n. a small, sharp piece of something that has been broken, especially a material like glass, pottery, or metal

synonym: break, fragment, shatter

(1) broken **shard**, (2) **shard** of pottery
The artist used a **shard** of glass to create intricate designs on her sculptures.

lodge

n. a small country house where people stay when they want to participate in outdoor activities; (verb) officially

present a complaint, appeal, claim, etc. to the appropriate authorities

synonym: clubhouse, inn, (verb) file

(1) **lodged** a complaint against him, (2) a ski **lodge**

The final decision should be **lodged** with the chairman.

inflare

v. to cause very strong feelings such as anger or excitement in a person or a group of people

synonym: agitate, arouse, enrage

(1) **inflare** skin, (2) **inflare** his passion

Her eyes **inflamed** with crying.

canopy

n. a covering, typically of fabric, supported on poles or suspended above a bed, throne, or other object, used to shelter or screen the person or object below it

synonym: cover, top, shade

(1) **canopy** layer, (2) under a **canopy** of smoke

The forest's **canopy** provides shade and protection for the plants and animals below.

propose

v. to make a proposal, declare a plan for something

synonym: suggest, offer, recommend

(1) **propose** the amendment, (2) **propose** changes

I want to **propose** a toast in honor of our longstanding relationship.

ocular

adj. relating to the eyes or vision; visual; pertaining to or connected with the sense of sight

synonym: visual, optical, ophthalmic

(1) **ocular** examination, (2) **ocular** symptoms

After using the new **ocular** lens, the photographer took extremely sharp and detailed pictures.

lens

n. a transparent optical device with curved sides, used in an optical instrument that makes objects seem larger, smaller, clearer, etc.; (metaphor) the basic thoughts or mindsets through which someone sees or understands

the environment or situation

synonym : glass

(1) a convex **lens**, (2) a **lens** with a wide angle

The photographer took this photo using a telephoto **lens**.

cataract

n. a clouding of the lens in the eye that affects vision; a large waterfall

synonym : clouding, blurriness, waterfall

(1) the thunder of a **cataract**, (2) **cataract** lens

The older man had a **cataract** removed from his eye, which improved his vision significantly.

inert

adj. lacking the ability to move or act, often used to describe an object or substance that is inactive or non-reactive

synonym : motionless, inactive, dormant

(1) **inert** gases, (2) **inert** ingredients

The rock was completely **inert** and didn't react when we tried to break it open.

mechanical

adj. operated by a machine, relating to or concerned with machinery or tools

synonym : machinelike, automated, automatic

(1) a **mechanical** style of writing, (2) the influence of **mechanical** action

A **mechanical** engineer is still in demand in many companies.

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**.

adverse

adj. unfavorable or harmful

synonym: hostile, detrimental, unfavorable

(1) **adverse** circumstances, (2) **adverse** reaction

The **adverse** weather conditions forced us to cancel the outdoor event.

medicinal

adj. of or relating to the treatment or cure of disease

synonym: curative, therapeutic, healing

(1) **medicinal** chemistry, (2) traditional **medicinal**

The **medicinal** properties of this herb have been known to help with various ailments.

shift

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

synonym: transition, change, modification

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

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

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.

interact

v. to communicate or react with somebody

synonym: cooperate, combine, collaborate

(1) **interact** directly with customers, (2) **interact** with one another

He should **interact** more with his colleagues.

dissolve

v. to be or cause to be absorbed by a liquid to form a part of the solution; to close down or dismiss

synonym: disband, disappear, liquefy

(1) **dissolve** the sugar, (2) officially **dissolved** the marriage

The political party **dissolved** after much internal fighting.

schematic

adj. relating to or in the form of a scheme or diagram; showing the structure or organization of something

synonym : diagrammatic, blueprint, structural

(1) **schematic** model, (2) simplified **schematic**

The engineer used a **schematic** diagram to plan out the wiring for the new building.

typical

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

synonym : characteristic, usual, distinctive

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

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

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.

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.

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.

complexity

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

synonym : intricacy, sophistication, elaboration

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

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

straight

adj. extending or moving in one direction without bending or curving; having no deviations

synonym: linear, honest, consecutive

(1) a **straight** line, (2) **straight** for two months

He was sick for five **straight** days.

stem

n. the central part of something from which other parts can develop or grow; the part of a word common to all its inflected variants; (verb) to grow out of, have roots in, or originate in

synonym: branch, limb, (verb) come from

(1) **stem** from a belief, (2) the **stem** of a matchstick

A rose has thorns on its **stem**.

obvious

adj. easy to see, discover or understand

synonym: apparent, conspicuous, evident

(1) **obvious** reasons, (2) his conclusion was **obvious**

There are **obvious** differences between the two wine-producing regions.

environment

n. the natural world such as air, water, and land in which humans, animals, and plants live

synonym: atmosphere, surroundings, climate

(1) **environment** affairs, (2) chaotic **environment**

Every human is responsible for taking care of the Earth's **environment**.

specialize

v. to become an expert in a specific career field, study, or business

synonym: narrow down, particularize

(1) **specialize** in child care, (2) **specialize** in market research

The restaurant has chefs who **specialize** in beef.

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.

underlying

adj. significant as a cause or basis of something but not immediately apparent or stated clearly

synonym: fundamental, latent, basic

(1) an **underlying** motive, (2) an **underlying** cause of an accident

The **underlying** principle of every business was identical.

biochemical

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

synonym: molecular, biological

(1) **biochemical** reaction, (2) complex **biochemical** **Biochemical** research is essential to understanding the complex chemical reactions in living organisms.

mechanics

n. the branch of physics that deals with the study of motion, forces, and energy; (mechanic) someone whose occupation is repairing and maintaining automobiles

synonym: kinematics, dynamics

(1) **mechanics** equation, (2) **mechanics** of the game

He studied **mechanics** in college and now works as an engineer.

tricky

adj. requiring care and skill because challenging to do or deal with

synonym: thorny, problematic, crafty

(1) **tricky** problem, (2) a **tricky** recipe to follow

We have discussed the entirety of this **tricky** problem.

pun *n.* a humorous play on words or use of words that sound similar but have different meanings, often for a comedic effect; a form of wordplay
synonym : joke, quip, wordplay
(1) witty **pun**, (2) silly **pun**
The comedian's **pun** had the audience laughing out loud.

eagle *n.* a large predatory bird with a hooked beak and broad wings, known for its keen eyesight and powerful flight; a symbol of strength and freedom in many cultures
synonym : bird of prey, raptor
(1) **eagle** feathers, (2) **eagle** eyes
The bald **eagle** symbolizes freedom and strength in the United States.

liver *n.* a large organ in the body, involved in many metabolic processes, such as detoxification of the organism, and the synthesis of proteins
(1) **liver** disease, (2) fatty **liver**
The patient will undergo **liver** transplant surgery tomorrow.

eternal *adj.* being without beginning or end; lasting forever
synonym : endless, everlasting, undying
(1) the hope of **eternal** life, (2) **eternal** quarreling
In every civilization, rulers have tried everything possible to obtain **eternal** life.

cartilage *n.* a tough, elastic connective tissue that is found in various parts of the body, such as the joints, the outer ear, and the tip of the nose
synonym : connective tissue, gristle, fibrocartilage
(1) **cartilage** damage, (2) nasal **cartilage**
The knee joint is supported by **cartilage**, which helps absorb shock and prevent bone damage.

nick

n. a small cut, notch, or indentation in a surface or an edge
synonym : incision, dent, indentation

(1) a **nick** on the fender of a car, (2) **nick** on my hand
The interviewer arrived in a **nick** of time.

fracture

n. the breaking or cracking of a rigid material or object such as bone

synonym : break, crack, rupture

(1) **fracture** test, (2) risk of bone **fractures**
X-ray inspection revealed many **fractures**.

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**.

ilium

n. the upper part of the hip bone in vertebrates, consisting of a broad, flaring blade and a curved, projecting socket that fits into the pelvis

synonym : pelvis, hip bone, coxal bone

(1) **ilium** bone, (2) **ilium** muscle

The athlete suffered from an **ilium** injury during the last match.

crest

n. a peak or ridge, especially on a mountain or wave; a decorative tuft or topknot

synonym : summit, peak, pinnacle

(1) **crest** length, (2) a large textile **crest**

The surfer rode the **crest** of the wave to the shore.

harvest

n. yields of plants in a single growing season; the period of the year when gathering occurs on a farm

synonym : crop, reaping, yield

(1) a scanty **harvest**, (2) reap a **harvest**

During **harvest**, farmers are incredibly busy.

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.

transplant

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

synonym: relocate, emigrate, graft

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

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

vascular

adj. of or relating to blood vessels, especially the veins and arteries that carry blood throughout the body

synonym: circulatory, cardiovascular, arterial

(1) **vascular** disease, (2) **vascular** surgery

The doctor detected a blockage in the patient's **vascular** system.

defect

n. an imperfection, shortcoming, or lack of something or someone

synonym: fault, blemish, flaw

(1) visual **defects**, (2) **defects** of character

Defects in the design could cause much worse issues.

tremendous

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

synonym: enormous, giant, immense

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

We had a **tremendous** time yesterday.

recreate

v. to make something that existed previously happen or appear to exist again

synonym: renovate, vivify, revive

(1) **recreate** a single country, (2) **recreate** the feeling of the 1920s

She **recreated** the atmosphere of the pre-war age with her stage setting.

aftereffect

n. a consequence or result that follows after an event, experience, or action, sometimes with a delayed onset, often used to describe the lingering impact of traumatic experiences or medical treatments

synonym: consequence, aftermath, outcome

(1) **aftereffect** of an earthquake, (2) **aftereffect** of a drug
I still experience **aftereffects** from the car accident I was in last year.

simplify

v. to make something more straightforward, more understandable, or easier to do

synonym: streamline, clarify, elucidate

(1) **simplify** my life, (2) **simplify** the process

Please **simplify** your explanation for the children.

rid

v. to make someone or something free of unwanted or unpleasant tasks, objects, or person

synonym: do away with, free, clear

(1) get **rid** of the rats, (2) **rid** the body of waste products

We must **rid** ourselves of pollution.

fancy

v. to want to do or have something; (noun) something that many people believe but that is false, or that does not exist; imagination or fantasy

synonym: imagine, visualize, (noun) fantasy

(1) **fancy** a cup of coffee, (2) a flight of **fancy**

I don't **fancy** acting in such an important role.

scaffold

n. a temporary platform or structure used to support workers and materials during construction or maintenance work

synonym : platform, staging, framework

(1) **scaffold** construction, (2) go to the **scaffold**

The construction workers set up the **scaffold** to reach the top of the building.

enormous

adj. extremely large or great

synonym : huge, giant, gigantic

(1) **enormous** amount, (2) **enormous** potential

Shakespeare's output of poetry was **enormous**.

catalyst

n. a person or thing that causes an important event to happen or changes the current situation rapidly;
(chemistry) a substance that initiates or accelerates a chemical reaction without being changed itself

synonym : accelerator, stimulant, motivation

(1) a **catalyst** in the process of hydrolysis, (2) **catalyst** for reform

The global financial crisis acted as a **catalyst** to unite the country.

vivo

adj. alive or existing in a living organism or system; relating to or involving "live" organisms or systems, particularly in scientific research or experimentation

synonym : alive, living, animate

(1) **vivo** imaging, (2) in **vivo** research

The **vivo** colors of the flowers made the garden come alive.

bioreactor

n. a device or system used to cultivate living cells, tissues, or organisms for industrial or research purposes

synonym : fermenter

(1) **bioreactor** engineering, (2) anaerobic **bioreactor**

The scientists optimized the conditions in the **bioreactor** to increase the yield of the desired product.

periosteum

n. a dense layer of connective tissue that covers the external surface of bones, serving to anchor tendons and ligaments and also providing a source of new bone cells during growth and repair

synonym : membrane, tissue, shell

(1) **periosteum** layer, (2) **periosteum** inflammation

Damage to the **periosteum** can delay bone healing and increase the risk of complications like infection

normally

adv. usually; under normal conditions

synonym : commonly, generally, naturally

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

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

tight

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

synonym : closed, secured, cramped

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

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

bound

v. to move forward by leaps and bounds; to form the boundary of something

synonym : jump, bounce, leap

(1) **bounded** with delight, (2) **bound** up a staircase

Canada **bounds** on the United States.

embryo

n. an animal organism in the early stages of growth, either in its mother's womb or in an egg, or a plant that is developing in a seed

synonym : fetus, seed, origin

(1) destruction of human **embryos**, (2) **embryo** cloning

Our latest project is still at the **embryo** stage.

develop

v. to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created

synonym :

evolve, progress, advance

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

We must **develop** a new system to streamline our workflow and increase efficiency.

inject

v. to put a liquid such as a drug or other substance into a person's or an animal's body using a needle and syringe (= small tube)

synonym : shoot, infiltrate, insinuate

(1) **inject** under the skin, (2) **inject** a personal opinion into a debate

Let's try to **inject** a bit of enthusiasm into your performance.

underneath

adv. under or below something else

synonym : below, under, beneath

(1) **underneath** the surface of the water, (2) **underneath** the laughter

The penny fell **underneath** the piano.

liquid

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

synonym : fluid

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

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

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.

gel

n. a semi-solid substance, often transparent or translucent, that is used in various products from personal care to food to medicine, and which typically consists of a gelling agent that thickens the liquid

synonym :

jelly, goo, paste

(1) **gel** nail polish, (2) antibacterial **gel**

I must use hair **gel** to style my hair for the job interview.

lift

v. to raise something to a higher position or level; to pick up something or somebody and move them to a different position

synonym: raise, elevate, move up

(1) **lift** sagging skin, (2) **lift** a ban on alcohol

The drought **lifted** the prices of grain globally.

essence

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

synonym: core, nature, disposition

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

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

cavity

n. an empty space or hollowness within a solid object, especially within the body, such as a tooth or bone; a hole or depression in a surface or the ground

synonym: hollows, holes, indenture

(1) tooth **cavity**, (2) **cavity** filling

I have a **cavity** in one of my molars and must schedule a dentist appointment.

pinhole

n. a tiny hole in a material, often made by a needle, that allows light or other substances to pass through

synonym: aperture, perforation, pore

(1) **pinhole** image, (2) **pinhole** leak

The camera's **pinhole** lens creates a unique blur effect in photographs.

incision

n. a sharp cut made in something with a sharp tool, especially during a medical procedure

synonym: cut, slit, laceration

(1) **incision** tool, (2) small **incision**

Patients undergoing **incisional** surgery are often put to sleep by anesthesia.

proliferation

n. a rapid or uncontrolled increase in the number or amount of something; the process of growing, producing, or spreading rapidly and excessively

synonym : spread, expansion, increase

(1) nuclear **proliferation**, (2) the **proliferation** of social media

The **proliferation** of fast-food restaurants has contributed to the obesity epidemic.

histology

n. the branch of biology that deals with the study of the microscopic structure of tissues and cells; the microscopic examination and study of tissues to observe their structure, composition, and function

synonym : microscopy, cytology, pathology

(1) **histology** specimens, (2) **histology** techniques

The **histology** lab provides valuable insights into the cellular structure of tissues.

slide

v. to move or cause to move smoothly along a surface without interruption

synonym : glide, drift, drop

(1) **slide** a card across the table, (2) **slide** a glance

If necessary, you can **slide** the front seats forward.

essentially

adv. relating to the essential features or concepts of anything

synonym : fundamentally, basically, virtually

(1) **essentially** correct, (2) become **essentially** same

Essentially, a society is an organism.

marrow

n. a soft, fatty, vascular substance in the cavities of bones, in which blood cells are produced; the choicest or most essential part of some idea or experience

synonym : bone marrow, pith, center

(1) the **marrow** of a speech, (2) vegetable **marrow**

The soup was made with bone **marrow**, giving it a rich and savory flavor.

demarcate

v. (another term for demark) to set, mark, or draw the boundaries or limits of something

synonym: differentiate, delimit, mark off

(1) **demarcate** the boundary, (2) **demarcate** an arrangement

This partition is used to **demarcate** the interior and exterior spaces.

slight

adj. very small in degree or amount

synonym: feeble, nuanced, subtle

(1) feel a **slight** concern, (2) **slight** increase

We made **slight** modifications to reflect the views of both sides.

slightly

adv. in a small degree or extent; a little

synonym: barely, narrowly, scarcely

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

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

unexpected

adj. not anticipated or regarded as likely to happen

synonym: surprising, unanticipated, incredible

(1) an **unexpected** visitor, (2) some **unexpected** events

The **unexpected** rainstorm caused the collapse of the corral.

skull

n. a bone framework that surrounds the brain and gives the head its shape

synonym: cranium, scalp, brain

(1) **skull** fracture, (2) have a thick **skull**

Archaeologists found a Neanderthal **skull** at that historic site.

blunt

adj. having a dull or rounded edge or point; not sharp; straightforward in speech or manner, often to the point

of being rude or insensitive

synonym : dull, obtuse, insensitive

(1) **blunt** criticism, (2) **blunt** force

The **blunt** knife made it difficult to cut through the tough steak.

definitely

adv. without any question and beyond doubt; clearly

synonym : absolutely, certainly, indeed

(1) **definitely** become a problem, (2) say **definitely**

The paper is **definitely** worth reading thoroughly.

disciplinary

adj. of or relating to the punishment of people who break the rules; of or relating to a specific field of academic study

synonym : corrective, punitive, instructive

(1) **disciplinary** action, (2) take **disciplinary** measures

The school's **disciplinary** committee met to discuss the student's behavior.

physicist

n. a scientist who specializes in the field of physics

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

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

clinic

n. a building or hospital department where people can go for medical care or advice, especially of a particular condition

synonym : hospital, infirmary

(1) visit to the veterinary **clinic**, (2) a dental **clinic**

She holds a **clinic** on Tuesday mornings.

zoom

v. to move along very quickly; (noun) the act of rising upward into the air

synonym : move quickly, dive, buzz

(1) **zoom** in on a photo, (2) **zoom** lens

He **zoomed** back in time to the soccer game.

vessel

n. a ship or large boat

synonym : boat, ship, craft

(1) blood **vessels**, (2) naval **vessels**

The **vessel** arrived in port the following day.

surround

v. to be all around something or somebody

synonym : encircle, encompass, envelop

(1) **surround** a town, (2) a stone wall **surrounds** the palace

On three sides, mountains **surround** the settlement.

matrix

n. a rectangular array of numbers, symbols, or expressions, arranged in rows and columns and often enclosed in brackets; an enclosure within which something originates or develops

synonym : grid, cast, table

(1) the **matrix** of Western civilization, (2) **matrix** multiplication

The **matrix** of numbers on the spreadsheet allowed the accountant to track the company's profits and losses easily.

nanoscale

adj. on a scale that can be measured in nanometres (= one billionth of a meter); on a very small scale

(1) **nanoscale** device, (2) things at the **nanoscale**

This process improves the strength of the metal by controlling the **nanoscale** lattice structure of the metal.

fiber

n. thread or filament used to make a vegetable tissue, mineral material, or textile

synonym : yarn, thread, wool

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

We must consume dietary **fiber** to maintain good health.

hybrid

adj. composed of different elements or mixed characters

synonym : blended, mixed, combined

(1) new **hybrid** system, (2) an interspecific **hybrid**

The mule is a **hybrid** between a male donkey and a female

horse.

organic

adj. of or derived from biological substance; producing plants and animals for food and other items without the use of synthetic chemicals

synonym : biological

(1) **organic** soils, (2) eat **organic** food

The kidney is an **organic** component of the body.

inorganic

adj. being or consisting of nonliving stuff; chemical compounds that contain no or only trace amounts of carbon

(1) **inorganic** acid, (2) **inorganic** nutrition

Inorganic substances include rocks and minerals.

squishy

adj. soft and yielding to the touch; easily deformed

synonym : soft, spongy, mushy

(1) **squishy** texture, (2) a **squishy** story

The **squishy** foam ball is perfect for squeezing to relieve stress.

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.

brittle

adj. easily broken, cracked, or shattered when subjected to pressure or stress; lacking flexibility or resilience; fragile

synonym : fragile, breakable, delicate

(1) **brittle** bones, (2) **brittle** material

The old books in the library were so **brittle** that they crumbled upon touch.

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.

mention

v. to speak or write about something or someone briefly
synonym: reference, allude, cite

(1) **mention** name, (2) **mention** in a report

I **mentioned** to him that I had seen his sister at the grocery store earlier that day.

curve

n. a bend or angle in a line or surface that deviates from a straight or flat path; a gradual or smooth change in direction or shape

synonym: bend, arc, turn

(1) learning **curve**, (2) yield **curve**

The **curve** in the road was so sharp that I had to slow down to navigate it safely.

dimension

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

synonym: extent, measurement, size

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

Overall **dimensions** are approximately 400x200mm.

cardiovascular

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

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

Smoking places you at severe risk of **cardiovascular** and respiratory disease.

clinical

adj. of or relating to the examination and treatment of patients rather than theoretical or laboratory studies

synonym: dispassionate, analytic, scientific

(1) **clinical** surgery, (2) participate in **clinical** trials

She received special **clinical** training at the hospital.

unfortunately

adv. by bad luck; unluckily

synonym : regrettably, unluckily, alas

(1) **unfortunately** caught in a shower, (2) even more **unfortunately**

The treatments were done but, **unfortunately**, were unsuccessful.

outcome

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

synonym : result, consequence, effect

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

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

implant

v. to insert or fix an artificial device in a person's body; to put an idea, attitude, etc., firmly in the mind

synonym : insert, fix, place

(1) **implant** genes in the animals, (2) **implant** into the uterus

The doctor will **implant** a pacemaker to regulate his heart rate.

locate

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

synonym : discover, find, place

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

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

topography

n. the arrangement and physical features of a particular area or region, including its natural and artificial elements and their relative positions and elevations; the study or description of this arrangement and these features

synonym : terrain, landscape, geography

(1) **topography** map, (2) detailed **topography**

The **topography** of the region is rugged, with many hills and valleys.

conductivity

n. the quality of a material's ability to conduct electricity, heat, etc.

synonym : conduction

(1) low **conductivity**, (2) electrical **conductivity**

High thermal **conductivity** is also essential for the exterior of the machine.

conduct

v. to organize and carry out a particular activity

synonym : behave, lead, carry on

(1) **conduct** a background check, (2) **conduct** research
Police will **conduct** random breath testing for drunk driving.

synchronous

adj. occurring or operating at the same time or pace;
happening simultaneously; coordinated or synchronized

synonym : simultaneous, concurrent, parallel

(1) **synchronous** communication, (2) **synchronous** learning

The group of performers perfectly executed the **synchronous** dance routine.

exciting

adj. causing a lot of interest or excitement

synonym : exhilarating, stimulating, thrilling

(1) **exciting** football player, (2) **exciting** news

The findings of the experiment were both **exciting** and unexpected.

wrap

v. to cover or enclose something entirely with paper, cloth, or other material

synonym : surround, cover, bandage

(1) **wrap** a fish in foil, (2) **wrap** up a meeting

Wrap the bandage tightly around the injured arm.

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.

privilege

n. a special right or advantage that only one person or group of people has, usually because they are rich and powerful in a society

synonym : benefit, authorization, advantage

(1) a breach of **privilege**, (2) **privilege** of membership
In the Middle Ages, the right to hunt in the wild was the **privilege** of royalty and nobility.

Session 2: Spelling

1. em___o cloning *n.* an animal organism in the early stages of growth, either in its mother's womb or in an egg, or a plant that is developing in a seed
2. major paradigm sh__t *n.* a slight transition in position, direction, or trend
3. su___r bad grades *v.* to experience pain, distress, or hardship; to undergo or endure something painful or unpleasant
4. eat or ____c food *adj.* of or derived from biological substance; producing plants and animals for food and other items without the use of synthetic chemicals
5. blood ve___ls *n.* a ship or large boat
6. fa__y a cup of coffee *v.* to want to do or have something; (noun) something that many people believe but that is false, or that does not exist; imagination or fantasy
7. tre____us amount *adj.* very great in degree or extent or amount or impact; extremely good
8. il__m bone *n.* the upper part of the hip bone in vertebrates, consisting of a broad, flaring blade and a curved, projecting socket that fits into the pelvis
9. z__m lens *v.* to move along very quickly; (noun) the act of rising upward into the air

ANSWERS: 1. embryo, 2. shift, 3. suffer, 4. organic, 5. vessel, 6. fancy, 7. tremendous, 8. ilium, 9. zoom

10. the pro_____ion of social media *n.* a rapid or uncontrolled increase in the number or amount of something; the process of growing, producing, or spreading rapidly and excessively
11. industry-sp_____ic regulations *adj.* clearly defined or particular to a certain thing or situation; distinct, explicit, and precise
12. synthetic fi__r *n.* thread or filament used to make a vegetable tissue, mineral material, or textile
13. an egg sh__l *n.* hard outer covering or case of eggs, nuts, some seeds, and some animals
14. a tr___y recipe to follow *adj.* requiring care and skill because challenging to do or deal with
15. vanilla es_____e *n.* the basic or most important part or quality of something that makes it what it is
16. z__m in on a photo *v.* to move along very quickly; (noun) the act of rising upward into the air
17. ex___e the crowd *v.* to make someone feel suddenly enthusiastic or eager
18. du_____e peace *adj.* capable of lasting and being used for a long time without being damaged or destroyed
19. the ma___w of a speech *n.* a soft, fatty, vascular substance in the cavities of bones, in which blood cells are produced; the choicest or most essential part of some idea or experience

ANSWERS: 10. proliferation, 11. specific, 12. fiber, 13. shell, 14. tricky, 15. essence, 16. zoom, 17. excite, 18. durable, 19. marrow

20. in___t a personal opinion into a debate
v. to put a liquid such as a drug or other substance into a person's or an animal's body using a needle and syringe (= small tube)
21. Bl_____th connection
n. a short-range wireless communication technology that allows electronic devices to connect and exchange data wirelessly over short distances, commonly used for connecting devices such as smartphones, headphones, and speakers
22. fr_____re test
n. the breaking or cracking of a rigid material or object such as bone
23. sp_____ic instructions
adj. clearly defined or particular to a certain thing or situation; distinct, explicit, and precise
24. the crosswise di_____on
n. a measurable extent of a particular kind, such as width, height, or length
25. bl__t force
adj. having a dull or rounded edge or point; not sharp; straightforward in speech or manner, often to the point of being rude or insensitive
26. a sq_____y story
adj. soft and yielding to the touch; easily deformed
27. ex_____ng news
adj. causing a lot of interest or excitement
28. a l__s with a wide angle
n. a transparent optical device with curved sides, used in an optical instrument that makes objects seem larger, smaller, clearer, etc.; (metaphor) the basic thoughts or mindsets through which someone sees or understands the environment or situation

ANSWERS: 20. inject, 21. Bluetooth, 22. fracture, 23. specific, 24. dimension, 25. blunt, 26. squishy, 27. exciting, 28. lens

29. cr____ve writing *adj.* relating to or involving the use of skill and original and unusual ideas to create something
30. und_____th the laughter *adv.* under or below something else
31. a st_____ht line *adj.* extending or moving in one direction without bending or curving; having no deviations
32. classic arc_____ure *n.* the art and science of designing and constructing buildings
33. antibacterial g_l *n.* a semi-solid substance, often transparent or translucent, that is used in various products from personal care to food to medicine, and which typically consists of a gelling agent that thickens the liquid
34. medical l_b *n.* a workplace for the conduct of scientific research; a laboratory
35. complete no_____ly *adv.* usually; under normal conditions
36. nasal ca_____ge *n.* a tough, elastic connective tissue that is found in various parts of the body, such as the joints, the outer ear, and the tip of the nose
37. car_____lar diseases *adj.* of or relating to the heart and blood vessels (= tubes that carry blood around the body)
38. de____ts of character *n.* an imperfection, shortcoming, or lack of something or someone
39. n__k on my hand *n.* a small cut, notch, or indentation in a surface or an edge

ANSWERS: 29. creative, 30. underneath, 31. straight, 32. architecture, 33. gel, 34. lab, 35. normally, 36. cartilage, 37. cardiovascular, 38. defect, 39. nick

40. s__m from a belief *n.* the central part of something from which other parts can develop or grow; the part of a word common to all its inflected variants; (verb) to grow out of, have roots in, or originate in
41. pr_____e changes *v.* to make a proposal, declare a plan for something
42. a sop_____ted lifestyle *adj.* having a great deal of worldly experience and knowledge of people's behavior, culture, and fashion
43. an interspecific hy____d *adj.* composed of different elements or mixed characters
44. ca_____st for reform *n.* a person or thing that causes an important event to happen or changes the current situation rapidly; (chemistry) a substance that initiates or accelerates a chemical reaction without being changed itself
45. im_____t into the uterus *v.* to insert or fix an artificial device in a person's body; to put an idea, attitude, etc., firmly in the mind
46. li__r disease *n.* a large organ in the body, involved in many metabolic processes, such as detoxification of the organism, and the synthesis of proteins
47. immune fu_____on *n.* the purpose or use of an object, system, or process; a particular activity or operation that is designed to serve a specific purpose; a mathematical concept that describes a relationship between two sets of values, called the input and output sets; (verb) to operate or work in a specific way, or to perform a particular task or purpose

ANSWERS: 40. stem, 41. propose, 42. sophisticated, 43. hybrid, 44. catalyst, 45. implant, 46. liver, 47. function

48. theoretical ph_____st *n.* a scientist who specializes in the field of physics
49. en_____us amount *adj.* extremely large or great
50. fairly ty_____l symptoms *adj.* having the usual characteristics or traits of a specific group of things
51. 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
52. universal es_____e *n.* the basic or most important part or quality of something that makes it what it is
53. cell and molecular bi_____y *n.* the scientific study of life and the natural processes of living things
54. student on a ti__t budget *adj.* fixed, fastened, or kept together firmly or closely
55. arc_____ure design *n.* the art and science of designing and constructing buildings
56. low con_____ity *n.* the quality of a material's ability to conduct electricity, heat, etc.
57. a ski lo__e *n.* a small country house where people stay when they want to participate in outdoor activities; (verb) officially present a complaint, appeal, claim, etc. to the appropriate authorities
58. increase sl_____ly *adv.* in a small degree or extent; a little
59. Doppler sh__t *n.* a slight transition in position, direction, or trend

ANSWERS: 48. physicist, 49. enormous, 50. typical, 51. patient, 52. essence, 53. biology, 54. tight, 55. architecture, 56. conductivity, 57. lodge, 58. slightly, 59. shift

60. v__o imaging *adj.* alive or existing in a living organism or system; relating to or involving "live" organisms or systems, particularly in scientific research or experimentation
61. syn_____us communication *adj.* occurring or operating at the same time or pace; happening simultaneously; coordinated or synchronized
62. tooth ca___y *n.* an empty space or hollowness within a solid object, especially within the body, such as a tooth or bone; a hole or depression in a surface or the ground
63. ty_____l leader *adj.* having the usual characteristics or traits of a specific group of things
64. chaotic env_____nt *n.* the natural world such as air, water, and land in which humans, animals, and plants live
65. fa_____te the public *v.* to attract and hold the attention of someone deeply and irresistibly
66. talented ph_____st *n.* a scientist who specializes in the field of physics
67. an une_____ed visitor *adj.* not anticipated or regarded as likely to happen
68. in_____ct directly with customers *v.* to communicate or react with somebody
69. ca_____ge damage *n.* a tough, elastic connective tissue that is found in various parts of the body, such as the joints, the outer ear, and the tip of the nose
70. env_____nt affairs *n.* the natural world such as air, water, and land in which humans, animals, and plants live

ANSWERS: 60. vivo, 61. synchronous, 62. cavity, 63. typical, 64. environment, 65. fascinate, 66. physicist, 67. unexpected, 68. interact, 69. cartilage, 70. environment

71. oc___r examination *adj.* relating to the eyes or vision; visual; pertaining to or connected with the sense of sight
72. va_____ar surgery *adj.* of or relating to blood vessels, especially the veins and arteries that carry blood throughout the body
73. undergo a surgical pr_____re *n.* a way of doing something, especially the official or well-known way
74. sc_____ld construction *n.* a temporary platform or structure used to support workers and materials during construction or maintenance work
75. go to the sc_____ld *n.* a temporary platform or structure used to support workers and materials during construction or maintenance work
76. feel a sl___t concern *adj.* very small in degree or amount
77. a facial ti___e *n.* an ensemble of similar cells of the animal or plant that together carry out a specific function
78. de_____p a skill *v.* to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created
79. muscular st_____th *n.* the quality or state of being physically, or sometimes mentally, strong
80. oph_____ogy clinic *n.* the branch of medicine that deals with the anatomy, physiology, and diseases of the eye

ANSWERS: 71. ocular, 72. vascular, 73. procedure, 74. scaffold, 75. scaffold, 76. slight, 77. tissue, 78. develop, 79. strength, 80. ophthalmology

81. visit to the veterinary cl___c *n.* a building or hospital department where people can go for medical care or advice, especially of a particular condition
82. hi_____gy techniques *n.* the branch of biology that deals with the study of the microscopic structure of tissues and cells; the microscopic examination and study of tissues to observe their structure, composition, and function
83. tra_____nt my family to America *v.* to move or transfer something from one place or person to another; to take living tissue or an organ from one person, animal, part of the body, etc. and put it into or onto another
84. officially di_____ved the marriage *v.* to be or cause to be absorbed by a liquid to form a part of the solution; to close down or dismiss
85. under a ca___y of smoke *n.* a covering, typically of fabric, supported on poles or suspended above a bed, throne, or other object, used to shelter or screen the person or object below it
86. de_____te an arrangement *v.* (another term for demark) to set, mark, or draw the boundaries or limits of something
87. small in_____on *n.* a sharp cut made in something with a sharp tool, especially during a medical procedure
88. ca_____ct lens *n.* a clouding of the lens in the eye that affects vision; a large waterfall

ANSWERS: 81. clinic, 82. histology, 83. transplant, 84. dissolve, 85. canopy, 86. demarcate, 87. incision, 88. cataract

89. du____e materials *adj.* capable of lasting and being used for a long time without being damaged or destroyed
90. say def_____ly *adv.* without any question and beyond doubt; clearly
91. a flight of fa__y *v.* to want to do or have something; (noun) something that many people believe but that is false, or that does not exist; imagination or fantasy
92. aft_____ct of an earthquake *n.* a consequence or result that follows after an event, experience, or action, sometimes with a delayed onset, often used to describe the lingering impact of traumatic experiences or medical treatments
93. the s__m of a matchstick *n.* the central part of something from which other parts can develop or grow; the part of a word common to all its inflected variants; (verb) to grow out of, have roots in, or originate in
94. na_____le device *adj.* on a scale that can be measured in nanometres (= one billionth of a meter); on a very small scale
95. loss of muscle ti___e *n.* an ensemble of similar cells of the animal or plant that together carry out a specific function
96. sl_____ly alkaline soils *adv.* in a small degree or extent; a little
97. a convex l__s *n.* a transparent optical device with curved sides, used in an optical instrument that makes objects seem larger, smaller, clearer, etc.; (metaphor) the basic thoughts or mindsets through which someone sees or understands the environment or situation

ANSWERS: 89. durable, 90. definitely, 91. fancy, 92. aftereffect, 93. stem, 94. nanoscale, 95. tissue, 96. slightly, 97. lens

98. in__t gases *adj.* lacking the ability to move or act, often used to describe an object or substance that is inactive or non-reactive
99. a ti__t game *adj.* fixed, fastened, or kept together firmly or closely
100. ea__e eyes *n.* a large predatory bird with a hooked beak and broad wings, known for its keen eyesight and powerful flight; a symbol of strength and freedom in many cultures
101. ri__d structure *adj.* extremely strict and difficult to change or adapt; incapable of or resistant to bending
102. simplified sc_____ic *adj.* relating to or in the form of a scheme or diagram; showing the structure or organization of something
103. ea__e feathers *n.* a large predatory bird with a hooked beak and broad wings, known for its keen eyesight and powerful flight; a symbol of strength and freedom in many cultures
104. sop_____ted look *adj.* having a great deal of worldly experience and knowledge of people's behavior, culture, and fashion
105. l__t sagging skin *v.* to raise something to a higher position or level; to pick up something or somebody and move them to a different position
106. Bl_____th-enabled device *n.* a short-range wireless communication technology that allows electronic devices to connect and exchange data wirelessly over short distances, commonly used for connecting devices such as smartphones, headphones, and speakers

ANSWERS: 98. inert, 99. tight, 100. eagle, 101. rigid, 102. schematic, 103. eagle, 104. sophisticated, 105. lift, 106. Bluetooth

107. nuclear pro_____ion *n.* a rapid or uncontrolled increase in the number or amount of something; the process of growing, producing, or spreading rapidly and excessively
108. an und_____ng cause of an accident *adj.* significant as a cause or basis of something but not immediately apparent or stated clearly
109. hi_____gy specimens *n.* the branch of biology that deals with the study of the microscopic structure of tissues and cells; the microscopic examination and study of tissues to observe their structure, composition, and function
110. 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
111. cr__t length *n.* a peak or ridge, especially on a mountain or wave; a decorative tuft or topknot
112. a large textile cr__t *n.* a peak or ridge, especially on a mountain or wave; a decorative tuft or topknot
113. ma___x multiplication *n.* a rectangular array of numbers, symbols, or expressions, arranged in rows and columns and often enclosed in brackets; an enclosure within which something originates or develops

ANSWERS: 107. proliferation, 108. underlying, 109. histology, 110. function, 111. crest, 112. crest, 113. matrix

114. 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
115. become ess_____ly same *adv.* relating to the essential features or concepts of anything
116. a test pi__t *n.* a person who flies an aircraft, especially as a job; a person qualified to guide ships through a difficult area of water
117. me_____cs of the game *n.* the branch of physics that deals with the study of motion, forces, and energy; (mechanic) someone whose occupation is repairing and maintaining automobiles
118. the thunder of a ca_____ct *n.* a clouding of the lens in the eye that affects vision; a large waterfall
119. in_____ct with one another *v.* to communicate or react with somebody
120. 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
121. new hy____d system *adj.* composed of different elements or mixed characters
122. me_____al chemistry *adj.* of or relating to the treatment or cure of disease
123. risk of bone fr_____res *n.* the breaking or cracking of a rigid material or object such as bone
124. g_l nail polish *n.* a semi-solid substance, often transparent or translucent, that is used in various products from personal care to food to medicine, and which typically consists of a gelling agent that thickens the liquid

ANSWERS: 114. integrate, 115. essentially, 116. pilot, 117. mechanics, 118. cataract, 119. interact, 120. patient, 121. hybrid, 122. medicinal, 123. fracture, 124. gel

125. w__p a fish in foil *v.* to cover or enclose something entirely with paper, cloth, or other material
126. st____ht for two months *adj.* extending or moving in one direction without bending or curving; having no deviations
127. improved student ou____es *n.* the result or effect of an action, event, etc.
128. me____n name *v.* to speak or write about something or someone briefly
129. snatch victory from the j_ws of defeat *n.* either of the two bones at the bottom of the face that moves when you open your mouth; (verb) talk socially without exchanging too much information
130. learning cu__e *n.* a bend or angle in a line or surface that deviates from a straight or flat path; a gradual or smooth change in direction or shape
131. re____te the feeling of the 1920s *v.* to make something that existed previously happen or appear to exist again
132. in____e skin *v.* to cause very strong feelings such as anger or excitement in a person or a group of people
133. in____ic acid *adj.* being or consisting of nonliving stuff; chemical compounds that contain no or only trace amounts of carbon
134. mi____ze a loss *v.* to make something, especially something bad, small or less serious
135. pi____e image *n.* a tiny hole in a material, often made by a needle, that allows light or other substances to pass through

ANSWERS: 125. wrap, 126. straight, 127. outcome, 128. mention, 129. jaw, 130. curve, 131. recreate, 132. inflame, 133. inorganic, 134. minimize, 135. pinhole

136. way to mi____ze conflict *v.* to make something, especially something bad, small or less serious
137. tr____y problem *adj.* requiring care and skill because challenging to do or deal with
138. sc____ic model *adj.* relating to or in the form of a scheme or diagram; showing the structure or organization of something
139. have a thick sk__l *n.* a bone framework that surrounds the brain and gives the head its shape
140. the advice of the ph____an *n.* a medical doctor who practices medicine
141. top____hy map *n.* the arrangement and physical features of a particular area or region, including its natural and artificial elements and their relative positions and elevations; the study or description of this arrangement and these features
142. a scanty ha____t *n.* yields of plants in a single growing season; the period of the year when gathering occurs on a farm
143. def____ly become a problem *adv.* without any question and beyond doubt; clearly
144. rem____le achievement *adj.* worthy of attention because unusual or special
145. spe____ze in child care *v.* to become an expert in a specific career field, study, or business
146. in__t ingredients *adj.* lacking the ability to move or act, often used to describe an object or substance that is inactive or non-reactive

ANSWERS: 136. minimize, 137. tricky, 138. schematic, 139. skull, 140. physician, 141. topography, 142. harvest, 143. definitely, 144. remarkable, 145. specialize, 146. inert

147. destruction of human em___os *n.* an animal organism in the early stages of growth, either in its mother's womb or in an egg, or a plant that is developing in a seed
148. bl__t criticism *adj.* having a dull or rounded edge or point; not sharp; straightforward in speech or manner, often to the point of being rude or insensitive
149. tre_____us popularity *adj.* very great in degree or extent or amount or impact; extremely good
150. per_____um inflammation *n.* a dense layer of connective tissue that covers the external surface of bones, serving to anchor tendons and ligaments and also providing a source of new bone cells during growth and repair
151. naval ve___ls *n.* a ship or large boat
152. su___r a setback *v.* to experience pain, distress, or hardship; to undergo or endure something painful or unpleasant
153. lo___e a tumor *v.* to specify or determine the exact position of someone or something
154. a breach of pr_____ge *n.* a special right or advantage that only one person or group of people has, usually because they are rich and powerful in a society
155. ad_____e circumstances *adj.* unfavorable or harmful
156. unf_____ely caught in a shower *adv.* by bad luck; unluckily

ANSWERS: 147. embryo, 148. blunt, 149. tremendous, 150. periosteum, 151. vessel, 152. suffer, 153. locate, 154. privilege, 155. adverse, 156. unfortunately

157. pi_____e leak *n.* a tiny hole in a material, often made by a needle, that allows light or other substances to pass through
158. dis_____ary action *adj.* of or relating to the punishment of people who break the rules; of or relating to a specific field of academic study
159. visual de____ts *n.* an imperfection, shortcoming, or lack of something or someone
160. 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
161. fatty li__r *n.* a large organ in the body, involved in many metabolic processes, such as detoxification of the organism, and the synthesis of proteins
162. reap a ha_____t *n.* yields of plants in a single growing season; the period of the year when gathering occurs on a farm
163. a ca_____st in the process of hydrolysis *n.* a person or thing that causes an important event to happen or changes the current situation rapidly; (chemistry) a substance that initiates or accelerates a chemical reaction without being changed itself
164. pr_____e the amendment *v.* to make a proposal, declare a plan for something
165. the influence of mec_____al action *adj.* operated by a machine, relating to or concerned with machinery or tools

ANSWERS: 157. pinhole, 158. disciplinary, 159. defect, 160. replacement, 161. liver, 162. harvest, 163. catalyst, 164. propose, 165. mechanical

166. a n__k on the fender of a car *n.* a small cut, notch, or indentation in a surface or an edge
167. su_____nd a town *v.* to be all around something or somebody
168. aft_____ct of a drug *n.* a consequence or result that follows after an event, experience, or action, sometimes with a delayed onset, often used to describe the lingering impact of traumatic experiences or medical treatments
169. 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
170. sl__e a card across the table *v.* to move or cause to move smoothly along a surface without interruption
171. oc___r symptoms *adj.* relating to the eyes or vision; visual; pertaining to or connected with the sense of sight
172. anaerobic bio_____or *n.* a device or system used to cultivate living cells, tissues, or organisms for industrial or research purposes
173. ex___e rebellion *v.* to make someone feel suddenly enthusiastic or eager
174. electrical con_____ity *n.* the quality of a material's ability to conduct electricity, heat, etc.
175. a mollusk sh__l *n.* hard outer covering or case of eggs, nuts, some seeds, and some animals
176. im_____t genes in the animals *v.* to insert or fix an artificial device in a person's body; to put an idea, attitude, etc., firmly in the mind

ANSWERS: 166. nick, 167. surround, 168. aftereffect, 169. structure, 170. slide, 171. ocular, 172. bioreactor, 173. excite, 174. conductivity, 175. shell, 176. implant

177. l__t a ban on alcohol *v.* to raise something to a higher position or level; to pick up something or somebody and move them to a different position
178. r_d the body of waste products *v.* to make someone or something free of unwanted or unpleasant tasks, objects, or person
179. com_____ty theory *n.* the state or quality of being complicated or intricate and difficult to understand
180. the rem_____le breadth of knowledge *adj.* worthy of attention because unusual or special
181. a stone wall su_____nds the palace *v.* to be all around something or somebody
182. en_____er shortage *n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software
183. bio_____al development *n.* a substance, usually synthetic, that is used for medical or veterinary purposes and is designed to mimic or replace biological tissues
184. juvenile di_____es *n.* a medical condition in which the body cannot produce enough insulin to control the glucose levels in the blood
185. traditional me_____al *adj.* of or relating to the treatment or cure of disease
186. di_____ve the sugar *v.* to be or cause to be absorbed by a liquid to form a part of the solution; to close down or dismiss
187. na__e jewelry *n.* a type of iridescent, lustrous material that is found on the inside of some shells and pearls

ANSWERS: 177. lift, 178. rid, 179. complexity, 180. remarkable, 181. surround, 182. engineer, 183. biomaterial, 184. diabetes, 185. medicinal, 186. dissolve, 187. nacre

188. hazardous li___d *n.* a substance, such as water or oil that flows freely and is neither a solid nor a gas
189. im_____e a process *v.* to make or become better
190. in___t under the skin *v.* to put a liquid such as a drug or other substance into a person's or an animal's body using a needle and syringe (= small tube)
191. st_____th of the economy *n.* the quality or state of being physically, or sometimes mentally, strong
192. an und_____ng motive *adj.* significant as a cause or basis of something but not immediately apparent or stated clearly
193. the hope of et_____l life *adj.* being without beginning or end; lasting forever
194. the ch_____ry of soil *n.* the branch of the natural sciences dealing with the composition of substances and their properties and reactions
195. a dental cl___c *n.* a building or hospital department where people can go for medical care or advice, especially of a particular condition
196. yield cu__e *n.* a bend or angle in a line or surface that deviates from a straight or flat path; a gradual or smooth change in direction or shape
197. car_____lar tissue *adj.* of or relating to the heart and blood vessels (= tubes that carry blood around the body)

ANSWERS: 188. liquid, 189. improve, 190. inject, 191. strength, 192. underlying, 193. eternal, 194. chemistry, 195. clinic, 196. curve, 197. cardiovascular

198. new di_____on *n.* a measurable extent of a particular kind, such as width, height, or length
199. j_w muscle *n.* either of the two bones at the bottom of the face that moves when you open your mouth; (verb) talk socially without exchanging too much information
200. lo___e a missing pet *v.* to specify or determine the exact position of someone or something
201. witty p_n *n.* a humorous play on words or use of words that sound similar but have different meanings, often for a comedic effect; a form of wordplay
202. things at the na_____le *adj.* on a scale that can be measured in nanometres (= one billionth of a meter); on a very small scale
203. some une_____ed events *adj.* not anticipated or regarded as likely to happen
204. participate in cl_____al trials *adj.* of or relating to the examination and treatment of patients rather than theoretical or laboratory studies
205. barren of cr_____ve spirit *adj.* relating to or involving the use of skill and original and unusual ideas to create something
206. sl___t increase *adj.* very small in degree or amount
207. di_____e control *n.* a disorder or illness that affects the body or mind, often characterized by specific symptoms or abnormal functioning of organs or systems
208. syn_____us learning *adj.* occurring or operating at the same time or pace; happening simultaneously; coordinated or synchronized

ANSWERS: 198. dimension, 199. jaw, 200. locate, 201. pun, 202. nanoscale, 203. unexpected, 204. clinical, 205. creative, 206. slight, 207. disease, 208. synchronous

209. l_b instrument	<i>n.</i> a workplace for the conduct of scientific research; a laboratory
210. complex bio_____al	<i>adj.</i> relating to the chemical processes and substances that occur within living organisms
211. sl__e a glance	<i>v.</i> to move or cause to move smoothly along a surface without interruption
212. broken sh__d	<i>n.</i> a small, sharp piece of something that has been broken, especially a material like glass, pottery, or metal
213. carbon fi__r	<i>n.</i> thread or filament used to make a vegetable tissue, mineral material, or textile
214. evolutionary bi_____y	<i>n.</i> the scientific study of life and the natural processes of living things
215. ri__d rules	<i>adj.</i> extremely strict and difficult to change or adapt; incapable of or resistant to bending
216. silly p_n	<i>n.</i> a humorous play on words or use of words that sound similar but have different meanings, often for a comedic effect; a form of wordplay
217. ca___y layer	<i>n.</i> a covering, typically of fabric, supported on poles or suspended above a bed, throne, or other object, used to shelter or screen the person or object below it
218. a mec_____al style of writing	<i>adj.</i> operated by a machine, relating to or concerned with machinery or tools
219. br_____e bones	<i>adj.</i> easily broken, cracked, or shattered when subjected to pressure or stress; lacking flexibility or resilience; fragile

ANSWERS: 209. lab, 210. biochemical, 211. slide, 212. shard, 213. fiber, 214. biology, 215. rigid, 216. pun, 217. canopy, 218. mechanical, 219. brittle

220. si____fy the process *v.* to make something more straightforward, more understandable, or easier to do
221. 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
222. pr_____ge of membership *n.* a special right or advantage that only one person or group of people has, usually because they are rich and powerful in a society
223. bio_____al reaction *adj.* relating to the chemical processes and substances that occur within living organisms
224. consult with a ph_____an *n.* a medical doctor who practices medicine
225. sh__d of pottery *n.* a small, sharp piece of something that has been broken, especially a material like glass, pottery, or metal
226. im_____e the test score *v.* to make or become better
227. und_____th the surface of the water *adv.* under or below something else
228. ca___y filling *n.* an empty space or hollowness within a solid object, especially within the body, such as a tooth or bone; a hole or depression in a surface or the ground
229. or_____c soils *adj.* of or derived from biological substance; producing plants and animals for food and other items without the use of synthetic chemicals

ANSWERS: 220. simplify, 221. integrate, 222. privilege, 223. biochemical, 224. physician, 225. shard, 226. improve, 227. underneath, 228. cavity, 229. organic

230. ob____s reasons *adj.* easy to see, discover or understand
231. the ma___x of Western civilization *n.* a rectangular array of numbers, symbols, or expressions, arranged in rows and columns and often enclosed in brackets; an enclosure within which something originates or develops
232. in_____on tool *n.* a sharp cut made in something with a sharp tool, especially during a medical procedure
233. ca___r diagnosis *n.* abnormal growth of cells that can invade and destroy surrounding tissues and organs; a disease characterized by the uncontrolled growth and spread of abnormal cells
234. lo__ed a complaint against him *n.* a small country house where people stay when they want to participate in outdoor activities; (verb) officially present a complaint, appeal, claim, etc. to the appropriate authorities
235. il__m muscle *n.* the upper part of the hip bone in vertebrates, consisting of a broad, flaring blade and a curved, projecting socket that fits into the pelvis
236. tra_____nt a heart *v.* to move or transfer something from one place or person to another; to take living tissue or an organ from one person, animal, part of the body, etc. and put it into or onto another
237. detailed top_____hy *n.* the arrangement and physical features of a particular area or region, including its natural and artificial elements and their relative positions and elevations; the study or description of this arrangement and these features

ANSWERS: 230. obvious, 231. matrix, 232. incision, 233. cancer, 234. lodge, 235. ilium, 236. transplant, 237. topography

238. vegetable ma___w *n.* a soft, fatty, vascular substance in the cavities of bones, in which blood cells are produced; the choicest or most essential part of some idea or experience
239. w__p up a meeting *v.* to cover or enclose something entirely with paper, cloth, or other material
240. co_____t a background check *v.* to organize and carry out a particular activity
241. oph_____ogy practice *n.* the branch of medicine that deals with the anatomy, physiology, and diseases of the eye
242. me_____cs equation *n.* the branch of physics that deals with the study of motion, forces, and energy; (mechanic) someone whose occupation is repairing and maintaining automobiles
243. pi__t production *n.* a person who flies an aircraft, especially as a job; a person qualified to guide ships through a difficult area of water
244. 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
245. me_____n in a report *v.* to speak or write about something or someone briefly
246. per_____um layer *n.* a dense layer of connective tissue that covers the external surface of bones, serving to anchor tendons and ligaments and also providing a source of new bone cells during growth and repair

ANSWERS: 238. marrow, 239. wrap, 240. conduct, 241. ophthalmology, 242. mechanics, 243. pilot, 244. replacement, 245. mention, 246. periosteum

247. di_____es patient *n.* a medical condition in which the body cannot produce enough insulin to control the glucose levels in the blood
248. br_____e material *adj.* easily broken, cracked, or shattered when subjected to pressure or stress; lacking flexibility or resilience; fragile
249. sk__l fracture *n.* a bone framework that surrounds the brain and gives the head its shape
250. re_____te a single country *v.* to make something that existed previously happen or appear to exist again
251. cognitive com_____ty *n.* the state or quality of being complicated or intricate and difficult to understand
252. en_____us potential *adj.* extremely large or great
253. professor of ch_____ry *n.* the branch of the natural sciences dealing with the composition of substances and their properties and reactions
254. standard pr_____re *n.* a way of doing something, especially the official or well-known way
255. ex_____ng football player *adj.* causing a lot of interest or excitement
256. ca___r research *n.* abnormal growth of cells that can invade and destroy surrounding tissues and organs; a disease characterized by the uncontrolled growth and spread of abnormal cells
257. ad_____e reaction *adj.* unfavorable or harmful
258. take dis_____ary measures *adj.* of or relating to the punishment of people who break the rules; of or relating to a specific field of academic study

ANSWERS: 247. diabetes, 248. brittle, 249. skull, 250. recreate, 251. complexity, 252. enormous, 253. chemistry, 254. procedure, 255. exciting, 256. cancer, 257. adverse, 258. disciplinary

259. va____ar disease *adj.* of or relating to blood vessels, especially the veins and arteries that carry blood throughout the body
260. bo__d up a staircase *v.* to move forward by leaps and bounds; to form the boundary of something
261. not no____ly drink much *adv.* usually; under normal conditions
262. a civil en____er *n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software
263. bo__ded with delight *v.* to move forward by leaps and bounds; to form the boundary of something
264. st____re and function of the brain *n.* the way of construction of something and the arrangement of its parts, or a complex thing constructed of many parts
265. et____l quarreling *adj.* being without beginning or end; lasting forever
266. sq____y texture *adj.* soft and yielding to the touch; easily deformed
267. de____te the boundary *v.* (another term for demark) to set, mark, or draw the boundaries or limits of something
268. an excellent brain su____n *n.* a doctor who is trained to perform medical operations that involve cutting open a person's body
269. get r_d of the rats *v.* to make someone or something free of unwanted or unpleasant tasks, objects, or person

ANSWERS: 259. vascular, 260. bound, 261. normally, 262. engineer, 263. bound, 264. structure, 265. eternal, 266. squishy, 267. demarcate, 268. surgeon, 269. rid

270. si____fy my life *v.* to make something more straightforward, more understandable, or easier to do
271. even more unf_____ely *adv.* by bad luck; unluckily
272. army su_____n *n.* a doctor who is trained to perform medical operations that involve cutting open a person's body
273. colorless li____d *n.* a substance, such as water or oil that flows freely and is neither a solid nor a gas
274. spe_____ze in market research *v.* to become an expert in a specific career field, study, or business
275. fa_____te the young *v.* to attract and hold the attention of someone deeply and irresistibly
276. ess_____ly correct *adv.* relating to the essential features or concepts of anything
277. co_____t research *v.* to organize and carry out a particular activity
278. bio_____als industry *n.* a substance, usually synthetic, that is used for medical or veterinary purposes and is designed to mimic or replace biological tissues
279. in_____ic nutrition *adj.* being or consisting of nonliving stuff; chemical compounds that contain no or only trace amounts of carbon
280. a desirable ou_____e *n.* the result or effect of an action, event, etc.
281. in v__o research *adj.* alive or existing in a living organism or system; relating to or involving "live" organisms or systems, particularly in scientific research or experimentation

ANSWERS: 270. simplify, 271. unfortunately, 272. surgeon, 273. liquid, 274. specialize, 275. fascinate, 276. essentially, 277. conduct, 278. biomaterial, 279. inorganic, 280. outcome, 281. vivo

282. his conclusion was ob____s *adj.* easy to see, discover or understand
283. in____e his passion *v.* to cause very strong feelings such as anger or excitement in a person or a group of people
284. cl____al surgery *adj.* of or relating to the examination and treatment of patients rather than theoretical or laboratory studies
285. de____p a strategy *v.* to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created
286. di____e prevention *n.* a disorder or illness that affects the body or mind, often characterized by specific symptoms or abnormal functioning of organs or systems
287. bio____or engineering *n.* a device or system used to cultivate living cells, tissues, or organisms for industrial or research purposes
288. na__e buttons *n.* a type of iridescent, lustrous material that is found on the inside of some shells and pearls

ANSWERS: 282. obvious, 283. inflame, 284. clinical, 285. develop, 286. disease, 287. bioreactor, 288. nacre

Session 3: Fill in the Blanks

1. The _____ of the pearl gave it its beautiful iridescent sheen.
n. a type of iridescent, lustrous material that is found on the inside of some shells and pearls

2. 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

3. I must use hair ____ to style my hair for the job interview.
n. a semi-solid substance, often transparent or translucent, that is used in various products from personal care to food to medicine, and which typically consists of a gelling agent that thickens the liquid

4. Patients undergoing _____ surgery are often put to sleep by anesthesia.
n. a sharp cut made in something with a sharp tool, especially during a medical procedure

5. The _____ lab provides valuable insights into the cellular structure of tissues.
n. the branch of biology that deals with the study of the microscopic structure of tissues and cells; the microscopic examination and study of tissues to observe their structure, composition, and function

6. Our latest project is still at the _____ stage.
n. an animal organism in the early stages of growth, either in its mother's womb or in an egg, or a plant that is developing in a seed

7. The national election was held amid _____ security.
adj. fixed, fastened, or kept together firmly or closely

ANSWERS: 1. nacre, 2. structure, 3. gel, 4. incisional, 5. histology, 6. embryo, 7. tight

8. I don't _____ acting in such an important role.

v. to want to do or have something; (noun) something that many people believe but that is false, or that does not exist; imagination or fantasy

9. She _____ the atmosphere of the pre-war age with her stage setting.

v. to make something that existed previously happen or appear to exist again

10. Our company's products are made of highly _____ materials.

adj. capable of lasting and being used for a long time without being damaged or destroyed

11. There are _____ differences between the two wine-producing regions.

adj. easy to see, discover or understand

12. The group of performers perfectly executed the _____ dance routine.

adj. occurring or operating at the same time or pace; happening simultaneously; coordinated or synchronized

13. She received special _____ training at the hospital.

adj. of or relating to the examination and treatment of patients rather than theoretical or laboratory studies

14. I need a _____ headset for my conference calls.

n. a short-range wireless communication technology that allows electronic devices to connect and exchange data wirelessly over short distances, commonly used for connecting devices such as smartphones, headphones, and speakers

15. _____ a society is an organism.

adv. relating to the essential features or concepts of anything

ANSWERS: 8. fancy, 9. recreated, 10. durable, 11. obvious, 12. synchronous, 13. clinical, 14. Bluetooth, 15. Essentially,

16. My father was tested for _____.

n. a medical condition in which the body cannot produce enough insulin to control the glucose levels in the blood

17. The _____ rainstorm caused the collapse of the corral.

adj. not anticipated or regarded as likely to happen

18. The school's _____ committee met to discuss the student's behavior.

adj. of or relating to the punishment of people who break the rules; of or relating to a specific field of academic study

19. X-ray inspection revealed many _____.

n. the breaking or cracking of a rigid material or object such as bone

20. The global financial crisis acted as a _____ to unite the country.

n. a person or thing that causes an important event to happen or changes the current situation rapidly; (chemistry) a substance that initiates or accelerates a chemical reaction without being changed itself

21. He moved his body _____ to the left.

adv. in a small degree or extent; a little

22. Canada _____ on the United States.

v. to move forward by leaps and bounds; to form the boundary of something

23. He should _____ more with his colleagues.

v. to communicate or react with somebody

24. On three sides, mountains _____ the settlement.

v. to be all around something or somebody

ANSWERS: 16. diabetes, 17. unexpected, 18. disciplinary, 19. fractures, 20. catalyst, 21. slightly, 22. bounds, 23. interact, 24. surround

25. He studied _____ in college and now works as an engineer.
- n.* the branch of physics that deals with the study of motion, forces, and energy; (mechanic) someone whose occupation is repairing and maintaining automobiles
26. _____ the bandage tightly around the injured arm.
- v.* to cover or enclose something entirely with paper, cloth, or other material
27. The engineer used a _____ diagram to plan out the wiring for the new building.
- adj.* relating to or in the form of a scheme or diagram; showing the structure or organization of something
28. The project's _____ made it difficult for the team to complete it on time.
- n.* the state or quality of being complicated or intricate and difficult to understand
29. The soup was made with bone _____ giving it a rich and savory flavor.
- n.* a soft, fatty, vascular substance in the cavities of bones, in which blood cells are produced; the choicest or most essential part of some idea or experience
30. University teaches the art of understanding the _____ of the matter.
- n.* the basic or most important part or quality of something that makes it what it is
31. The interviewer arrived in a _____ of time.
- n.* a small cut, notch, or indentation in a surface or an edge
32. The brain is an incredibly complex organ that controls the body's _____.
- n.* the purpose or use of an object, system, or process; a particular activity or operation that is designed to serve a specific purpose; a mathematical concept that describes a relationship between two sets of values, called the input and output sets; (verb) to operate or work in a specific way, or to perform a particular task or purpose

ANSWERS: 25. mechanics, 26. Wrap, 27. schematic, 28. complexity, 29. marrow, 30. essence, 31. nick, 32. function

33. In every civilization, rulers have tried everything possible to obtain _____ life.
adj. being without beginning or end; lasting forever
34. I still experience _____ from the car accident I was in last year.
n. a consequence or result that follows after an event, experience, or action, sometimes with a delayed onset, often used to describe the lingering impact of traumatic experiences or medical treatments
35. The robot can accurately _____ construction material.
v. to specify or determine the exact position of someone or something
36. Police will _____ random breath testing for drunk driving.
v. to organize and carry out a particular activity
37. 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
38. The _____ will repair my telephone tomorrow morning.
n. a person whose job is designing, building, or maintaining something such as machines, structures, or software
39. The _____ colors of the flowers made the garden come alive.
adj. alive or existing in a living organism or system; relating to or involving "live" organisms or systems, particularly in scientific research or experimentation
40. The _____ properties of this herb have been known to help with various ailments.
adj. of or relating to the treatment or cure of disease

ANSWERS: 33. eternal, 34. aftereffects, 35. locate, 36. conduct, 37. suffers, 38. engineer, 39. vivo, 40. medicinal

41. The older man had a _____ removed from his eye, which improved his vision significantly.
- n.* a clouding of the lens in the eye that affects vision; a large waterfall
42. He dropped his ____ at the unexpected sight.
- n.* either of the two bones at the bottom of the face that moves when you open your mouth; (verb) talk socially without exchanging too much information
43. I want to _____ a toast in honor of our longstanding relationship.
- v.* to make a proposal, declare a plan for something
44. We have discussed the entirety of this _____ problem.
- adj.* requiring care and skill because challenging to do or deal with
45. The patient will undergo _____ transplant surgery tomorrow.
- n.* a large organ in the body, involved in many metabolic processes, such as detoxification of the organism, and the synthesis of proteins
46. They awaited news of the _____ of the election.
- n.* the result or effect of an action, event, etc.
47. The city is known for its impressive _____ and beautiful old buildings.
- n.* the art and science of designing and constructing buildings
48. The athlete suffered from an _____ injury during the last match.
- n.* the upper part of the hip bone in vertebrates, consisting of a broad, flaring blade and a curved, projecting socket that fits into the pelvis
49. This partition is used to _____ the interior and exterior spaces.
- v.* (another term for demark) to set, mark, or draw the boundaries or limits of something

ANSWERS: 41. cataract, 42. jaw, 43. propose, 44. tricky, 45. liver, 46. outcome, 47. architecture, 48. ilium, 49. demarcate

50. The restaurant has chefs who _____ in beef.
v. to become an expert in a specific career field, study, or business
51. We must consume dietary _____ to maintain good health.
n. thread or filament used to make a vegetable tissue, mineral material, or textile
52. The pilot and flight attendant ran through the check-out _____.
n. a way of doing something, especially the official or well-known way
53. The political party _____ after much internal fighting.
v. to be or cause to be absorbed by a liquid to form a part of the solution; to close down or dismiss
54. She visited the local _____ to seek treatment for her persistent headache.
n. a medical doctor who practices medicine
55. The doctor diagnosed him with a rare _____ that had no known cure.
n. a disorder or illness that affects the body or mind, often characterized by specific symptoms or abnormal functioning of organs or systems
56. High thermal _____ is also essential for the exterior of the machine.
n. the quality of a material's ability to conduct electricity, heat, etc.
57. Could you help me _____ some furniture?
n. a slight transition in position, direction, or trend
58. A _____ engineer is still in demand in many companies.
adj. operated by a machine, relating to or concerned with machinery or tools

ANSWERS: 50. specialize, 51. fiber, 52. procedure, 53. dissolved, 54. physician, 55. disease, 56. conductivity, 57. shift, 58. mechanical

59. She holds a _____ on Tuesday mornings.

- n.* a building or hospital department where people can go for medical care or advice, especially of a particular condition

60. A rose has thorns on its _____.

- n.* the central part of something from which other parts can develop or grow; the part of a word common to all its inflected variants; (verb) to grow out of, have roots in, or originate in

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

- v.* to make or become better

62. Shakespeare's output of poetry was _____.

- adj.* extremely large or great

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

- n.* a scientist who specializes in the field of physics

64. The _____ in the road was so sharp that I had to slow down to navigate it safely.

- n.* a bend or angle in a line or surface that deviates from a straight or flat path; a gradual or smooth change in direction or shape

65. The bald _____ symbolizes freedom and strength in the United States.

- n.* a large predatory bird with a hooked beak and broad wings, known for its keen eyesight and powerful flight; a symbol of strength and freedom in many cultures

66. The surfer rode the _____ of the wave to the shore.

- n.* a peak or ridge, especially on a mountain or wave; a decorative tuft or topknot

ANSWERS: 59. clinic, 60. stem, 61. improve, 62. enormous, 63. physicist, 64. curve, 65. eagle, 66. crest

67. During _____ farmers are incredibly busy.

- n.* yields of plants in a single growing season; the period of the year when gathering occurs on a farm

68. He _____ back in time to the soccer game.

- v.* to move along very quickly; (noun) the act of rising upward into the air

69. _____ in the design could cause much worse issues.

- n.* an imperfection, shortcoming, or lack of something or someone

70. The doctor detected a blockage in the patient's _____ system.

- adj.* of or relating to blood vessels, especially the veins and arteries that carry blood throughout the body

71. 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

72. Smoking places you at severe risk of _____ and respiratory disease.

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

73. The _____ principle of every business was identical.

- adj.* significant as a cause or basis of something but not immediately apparent or stated clearly

74. Archaeologists found a Neanderthal _____ at that historic site.

- n.* a bone framework that surrounds the brain and gives the head its shape

75. 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

ANSWERS: 67. harvest, 68. zoomed, 69. Defects, 70. vascular, 71. biology, 72. cardiovascular, 73. underlying, 74. skull, 75. replacement

76. The forest's _____ provides shade and protection for the plants and animals below.
- n.* a covering, typically of fabric, supported on poles or suspended above a bed, throne, or other object, used to shelter or screen the person or object below it
77. He is familiar with _____ and biology.
- n.* the branch of the natural sciences dealing with the composition of substances and their properties and reactions
78. The comedian's ____ had the audience laughing out loud.
- n.* a humorous play on words or use of words that sound similar but have different meanings, often for a comedic effect; a form of wordplay
79. The _____ exercised great care in landing.
- n.* a person who flies an aircraft, especially as a job; a person qualified to guide ships through a difficult area of water
80. Breast _____ is the most common type of cancer in women.
- n.* abnormal growth of cells that can invade and destroy surrounding tissues and organs; a disease characterized by the uncontrolled growth and spread of abnormal cells
81. Let's try to _____ a bit of enthusiasm into your performance.
- v.* to put a liquid such as a drug or other substance into a person's or an animal's body using a needle and syringe (= small tube)
82. The news of her promotion _____ her.
- v.* to make someone feel suddenly enthusiastic or eager
83. The new _____ used in implants are more durable and less likely to cause an immune response.
- n.* a substance, usually synthetic, that is used for medical or veterinary purposes and is designed to mimic or replace biological tissues

ANSWERS: 76. canopy, 77. chemistry, 78. pun, 79. pilot, 80. cancer, 81. inject, 82. excited, 83. biomaterials

84. The knee joint is supported by _____ which helps absorb shock and prevent bone damage.

n. a tough, elastic connective tissue that is found in various parts of the body, such as the joints, the outer ear, and the tip of the nose

85. We had a _____ time yesterday.

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

86. Damage to the _____ can delay bone healing and increase the risk of complications like infection

n. a dense layer of connective tissue that covers the external surface of bones, serving to anchor tendons and ligaments and also providing a source of new bone cells during growth and repair

87. The construction workers set up the _____ to reach the top of the building.

n. a temporary platform or structure used to support workers and materials during construction or maintenance work

88. He was sick for five _____ days.

adj. extending or moving in one direction without bending or curving; having no deviations

89. After using the new _____ lens, the photographer took extremely sharp and detailed pictures.

adj. relating to the eyes or vision; visual; pertaining to or connected with the sense of sight

90. I don't _____ take a vacation in the middle of summer.

adv. usually; under normal conditions

ANSWERS: 84. cartilage, 85. tremendous, 86. periosteum, 87. scaffold, 88. straight, 89. ocular, 90. normally

91. 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
92. Marketing strategies are growing more _____.
adj. having a great deal of worldly experience and knowledge of people's behavior, culture, and fashion
93. This process improves the strength of the metal by controlling the _____ lattice structure of the metal.
adj. on a scale that can be measured in nanometres (= one billionth of a meter); on a very small scale
94. The _____ of the region is rugged, with many hills and valleys.
n. the arrangement and physical features of a particular area or region, including its natural and artificial elements and their relative positions and elevations; the study or description of this arrangement and these features
95. The artist used a _____ of glass to create intricate designs on her sculptures.
n. a small, sharp piece of something that has been broken, especially a material like glass, pottery, or metal
96. The doctor will _____ a pacemaker to regulate his heart rate.
v. to insert or fix an artificial device in a person's body; to put an idea, attitude, etc., firmly in the mind
97. All the supervisor has to do is assign tasks that make his subordinates more _____.
adj. relating to or involving the use of skill and original and unusual ideas to create something

ANSWERS: 91. patient's, 92. sophisticated, 93. nanoscale, 94. topography, 95. shard, 96. implant, 97. creative

98. The scientist conducted a study that provided _____ details about the species' behavior.

adj. clearly defined or particular to a certain thing or situation; distinct, explicit, and precise

99. Overall _____ are approximately 400x200mm.

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

100. Every human is responsible for taking care of the Earth's _____.

n. the natural world such as air, water, and land in which humans, animals, and plants live

101. We made _____ modifications to reflect the views of both sides.

adj. very small in degree or amount

102. The rock was completely _____ and didn't react when we tried to break it open.

adj. lacking the ability to move or act, often used to describe an object or substance that is inactive or non-reactive

103. The outermost electron _____ determines the chemical properties of an atom.

n. hard outer covering or case of eggs, nuts, some seeds, and some animals

104. My grandfather had a problem with his eyes and went to an _____ specialist.

n. the branch of medicine that deals with the anatomy, physiology, and diseases of the eye

105. The final decision should be _____ with the chairman.

n. a small country house where people stay when they want to participate in outdoor activities; (verb) officially present a complaint, appeal, claim, etc. to the appropriate authorities

ANSWERS: 98. specific, 99. dimensions, 100. environment, 101. slight, 102. inert, 103. shell, 104. ophthalmology, 105. lodged

106. The mule is a _____ between a male donkey and a female horse.
adj. composed of different elements or mixed characters
107. The _____ knife made it difficult to cut through the tough steak.
adj. having a dull or rounded edge or point; not sharp; straightforward in speech or manner, often to the point of being rude or insensitive
108. 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
109. In the Middle Ages, the right to hunt in the wild was the _____ of royalty and nobility.
n. a special right or advantage that only one person or group of people has, usually because they are rich and powerful in a society
110. The scientists optimized the conditions in the _____ to increase the yield of the desired product.
n. a device or system used to cultivate living cells, tissues, or organisms for industrial or research purposes
111. The magic tricks _____ the children.
v. to attract and hold the attention of someone deeply and irresistibly
112. The treatments were done but, _____ were unsuccessful.
adv. by bad luck; unluckily
113. I bought a gadget before my trip to help _____ stress during the flight.
v. to make something, especially something bad, small or less serious

ANSWERS: 106. hybrid, 107. blunt, 108. integrate, 109. privilege, 110. bioreactor, 111. fascinated, 112. unfortunately, 113. minimize

114. The kidney is an _____ component of the body.

adj. of or derived from biological substance; producing plants and animals for food and other items without the use of synthetic chemicals

115. The _____ of numbers on the spreadsheet allowed the accountant to track the company's profits and losses easily.

n. a rectangular array of numbers, symbols, or expressions, arranged in rows and columns and often enclosed in brackets; an enclosure within which something originates or develops

116. We must ____ ourselves of pollution.

v. to make someone or something free of unwanted or unpleasant tasks, objects, or person

117. The _____ weather conditions forced us to cancel the outdoor event.

adj. unfavorable or harmful

118. The penny fell _____ the piano.

adv. under or below something else

119. I have a _____ in one of my molars and must schedule a dentist appointment.

n. an empty space or hollowness within a solid object, especially within the body, such as a tooth or bone; a hole or depression in a surface or the ground

120. _____ substances include rocks and minerals.

adj. being or consisting of nonliving stuff; chemical compounds that contain no or only trace amounts of carbon

121. Her eyes _____ with crying.

v. to cause very strong feelings such as anger or excitement in a person or a group of people

ANSWERS: 114. organic, 115. matrix, 116. rid, 117. adverse, 118. underneath, 119. cavity, 120. Inorganic, 121. inflamed

122. The camera's _____ lens creates a unique blur effect in photographs.
n. a tiny hole in a material, often made by a needle, that allows light or other substances to pass through
123. I _____ to him that I had seen his sister at the grocery store earlier that day.
v. to speak or write about something or someone briefly
124. Please _____ your explanation for the children.
v. to make something more straightforward, more understandable, or easier to do
125. The drought _____ the prices of grain globally.
v. to raise something to a higher position or level; to pick up something or somebody and move them to a different position
126. We must _____ a new system to streamline our workflow and increase efficiency.
v. to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created
127. The findings of the experiment were both _____ and unexpected.
adj. causing a lot of interest or excitement
128. 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
129. The old books in the library were so _____ that they crumbled upon touch.
adj. easily broken, cracked, or shattered when subjected to pressure or stress; lacking flexibility or resilience; fragile

ANSWERS: 122. pinhole, 123. mentioned, 124. simplify, 125. lifted, 126. develop, 127. exciting, 128. rigid, 129. brittle

130. The election was a _____ success for the Whigs.

adj. worthy of attention because unusual or special

131. The _____ foam ball is perfect for squeezing to relieve stress.

adj. soft and yielding to the touch; easily deformed

132. If necessary, you can _____ the front seats forward.

v. to move or cause to move smoothly along a surface without interruption

133. Health and _____ are, above all, gold.

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

134. 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

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

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

136. This artwork is _____ of her work.

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

137. He tried to _____ the seedling into a larger pot.

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

ANSWERS: 130. remarkable, 131. squishy, 132. slide, 133. strength, 134. surgeon, 135. Biochemical, 136. typical, 137. transplant

138. The Prime Minister will pay a courtesy visit to the Nobel laureate's ____.
- n.* a workplace for the conduct of scientific research; a laboratory
139. The paper is _____ worth reading thoroughly.
- adv.* without any question and beyond doubt; clearly
140. The _____ of fast-food restaurants has contributed to the obesity epidemic.
- n.* a rapid or uncontrolled increase in the number or amount of something; the process of growing, producing, or spreading rapidly and excessively
141. 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
142. The photographer took this photo using a telephoto ____.
- n.* a transparent optical device with curved sides, used in an optical instrument that makes objects seem larger, smaller, clearer, etc.; (metaphor) the basic thoughts or mindsets through which someone sees or understands the environment or situation
143. The _____ arrived in port the following day.
- n.* a ship or large boat
144. The sponge takes up the _____ well.
- n.* a substance, such as water or oil that flows freely and is neither a solid nor a gas

ANSWERS: 138. lab, 139. definitely, 140. proliferation, 141. tissue, 142. lens, 143. vessel, 144. liquid