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Vocabulary Builder Reference from...

Kevin Stone: The bio-future of joint replacement |

TED Talk

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

All Words

IMPORTANT

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Session 1: Word List

joint

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

synonym: collaborative, cooperative, combined

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

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

meniscus

n. a thin, curved layer of liquid, especially the concave surface of a liquid in a container; a cartilage disc within a joint, especially a knee

synonym: cartilage, crescent, curve

(1) medial **meniscus**, (2) **meniscus** surgery

Basketball players risk damaging their **meniscus** more due to the constant jumping and quick movements.

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.

ligament

n. a band of tissue that connects bones or holds organs in place to support and stabilize the body

synonym: band, cord, tendon

(1) a **ligament** in the ankle, (2) cruciate **ligament**

The **ligaments** in the knee provide stability and support.

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.

arthritis

n. inflammation of one or more joints of the body, which include pain and stiffness

(1) medication for **arthritis**, (2) symptoms of **arthritis**

My rheumatoid **arthritis** is acting up again.

motto

n. a phrase or slogan that expresses a guiding principle or goal

synonym: slogan, catchphrase, phrase

(1) the **motto** for safe traffic, (2) company **motto**

The company's **motto** is "Innovation and Service," which is reflected in its products and customer support.

orthopedic

adj. relating to the branch of medicine concerned with the correction or prevention of deformities, disorders, or injuries of the skeletal system and associated muscles, joints, and ligaments

synonym: skeletal, musculoskeletal, bone-related

(1) **orthopedic** shoes, (2) **orthopedic** clinic

The athlete visited the **orthopedic** surgeon to have her injured knee examined and treated.

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.

mood

n. the way you feel at a particular time; an angry or impatient state of mind

synonym : mindset, disposition, temper

(1) the **mood** in a room, (2) in an ugly **mood**

His gaffe spoiled the **mood** of the dinner party.

narrator

n. a person who tells a story, especially in a book or film

synonym : teller, storyteller

(1) first-person **narrator**, (2) the **narrator** of the TV program

The **narrator** makes use of the local dialect.

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.

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.

destine

v. to determine or set the course of something in advance, often in a way that seems predetermined or inevitable; to specify or choose someone or something for a particular fate or outcome

synonym : ordain, doom, predestine

(1) **destine** us to meet again, (2) be **destined** to become a great artist

Some people believe that we are all **destined** for greatness.

numb

adj. unable to feel physical sensation and movement; not showing human feeling or sensitivity

synonym : dazed, insensitive, emotionless

(1) **numb** with cold, (2) a **numb** mind

My left arm became **numb**.

ruin

v. to damage, spoil, or demolish something; (noun) an unrecoverable state of devastation and destruction,

synonym : bankrupt, demolish, destroy

(1) **ruin** the plan, (2) **ruin** the reputation

He knocked over the red wine and **ruined** the tablecloth.

assume

v. to think or accept something to be true without having proof of it; to take or begin to have power; to begin to exhibit a specific quality or appearance

synonym : guess, presume, suppose

(1) **assume** a lousy attitude to his boss, (2) **assume** an important role

The following example **assumes** that the capacity of each battery is the same.

injury

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

synonym : wound, damage, hurt

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

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

literally

adv. in the real or original meaning of a word or phrase; in a literal sense or way; not figuratively

synonym : actually, truly, verily

(1) translate **literally**, (2) bite his tongue **literally**

He **literally** jumped out of his chair when he heard the news.

grind

v. to reduce something to small particles or powder by crushing or rubbing it; to work hard over a long period of time

synonym : mill, crush, grate

(1) **grind** away at my work, (2) **grind** your teeth

She had to **grind** the coffee beans before making a fresh cup.

halt

v. to bring or come to a stop; to force to stop moving or operating

synonym : stop, cease, terminate

(1) **halt** production, (2) **halt** progress

The train came to a **halt** at the station.

desperate

adj. feeling or showing a lack of hope and a willingness to do anything because of the problematic situation

synonym : anguish, frantic, hopeless

(1) her **desperate** screams, (2) **desperate** attempt

He was **desperate** when he lost all his money by gambling.

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.

artificial

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

synonym : synthetic, man-made, manufactured

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

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

component

n. one of several parts that combines with others to form something bigger

synonym : element, part, factor

(1) key **component**, (2) spare **components** for cars

The researchers try to discover a common **component** in all types of successful organizations.

replace

v. to take the place of something

synonym : substitute, supersede, displace

(1) **replace** one word with another, (2) **replace** a phone

Eventually, the new design will **replace** all older models.

worn-out

adj. exhausted or fatigued from overuse or prolonged activity; no longer effective or functional due to excessive wear or use

synonym : tired, exhausted, spent

(1) feeling **worn-out**, (2) **worn-out** machinery

The old carpet in the living room was so **worn-out** that it needed to be replaced.

midst

n. the middle part of people or things

synonym : middle, core, bosom

(1) in the **midst** of the crowd, (2) in the **midst** of a scandal

He remained serene in the **midst** of turbulence.

modern

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

synonym : contemporary, stylish, current

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

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

buzz

v. to make a continuous, low humming sound such as the one bee makes; an exciting and active atmosphere

synonym : hum, murmur, whisper

(1) the **buzz** of a cicada, (2) **buzz** marketing

I heard the **buzz** of conversation from the next room.

promenade

n. a stroll or walk, often taken in a public place or park; a public place for walking or strolling, often filled with

shops or vendors; a dance movement in which the partners move around the floor in a circle or similar pattern

synonym: stroll, walkway, boulevard

(1) evening **promenade**, (2) **promenade** in the park

The boardwalk by the beach was a beautiful **promenade** for tourists and locals alike.

bionic

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

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

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

alternative

n. one of two or more available possibilities or choice

synonym: choice, option

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

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

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**.

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**.

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.

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.

shock

n. a strong feeling or physical reaction to a sudden and unexpected event or experience, especially something unpleasant

synonym: amazement, surprise, stunner

(1) death from **shock**, (2) **shock-resistant**

He got an electric **shock** at work.

absorb

v. to take in a fluid or other substance gradually

synonym: consume, soak, ingest

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

The sponge **absorbs** water well.

allograft

n. a surgical tissue graft that involves transplanting tissue from one individual to another, typically from a donor to a recipient who is not genetically identical

synonym: graft, transplant, implant

(1) lung **allograft**, (2) **allograft** rejection

The patient underwent an **allograft** procedure to replace the damaged tissue with donor tissue.

donor

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

in another person

synonym : contributor, patron, supporter

(1) a transfusion of **donor** blood, (2) an unnamed **donor**
His body rejected the liver of the **donor**.

unstable

adj. lacking solidity, persistence, or firmness and therefore not strong, safe, or likely to continue; lacking control of one's emotions

synonym : shaky, unbalanced, inconsistent

(1) mentally **unstable**, (2) **unstable** weather

The tower proved to be **unstable** in the high wind.

stabilize

v. to become or cause to become steady or unlikely to give way

synonym : brace, steady, secure

(1) **stabilize** prices, (2) **stabilize** blood sugar levels

The raising of interest rates **stabilizes** the inflation rate.

dam

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

synonym : barricade, barrier, embankment

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

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

pastry

n. a type of baked pastry that typically consists of a filling of meat, vegetables, or other ingredients, enclosed in a pastry shell; (adjective) pale, lacking in color, or dull

synonym : pastry, pie

(1) **pastry** face, (2) Cornish **pastry**

I plan to pick up a chicken **pastry** at that bakery on my way home from work.

graft

n. a transplanted portion of tissue or skin, often taken from one part of the body and used to repair or replace damaged or missing tissue in another part; a corrupt or illegal means of acquiring wealth or power through illicit or unethical methods

synonym : transplant, implantation, bribery

(1) **graft** surgery, (2) anti- **graft** law

The patient's skin **graft** procedure was successful, and he was released from the hospital.

regrow

v. to grow back or regenerate after being cut or removed, such as cells or tissues in the body, or plants and vegetation

synonym : regenerate

(1) **regrow** hair, (2) **regrow** vegetation

Lizards can **regrow** their tails if they are cut off.

articular

adj. relating to a joint or joints, often used in medical or anatomical contexts to describe structures or movements associated with joints

synonym : joint, related, connected

(1) **articular** cartilage, (2) **articular** inflammation

The patient had an **articular** fracture in his wrist.

hike

n. a long walk or journey, especially for pleasure or exercise; an increase in cost

synonym : walk, trek, excursion

(1) go on a **hike**, (2) a **hike** in prices

The family decided to **hike** in the mountains to enjoy the beautiful scenery.

aspen

n. a deciduous tree with smooth, white bark that often trembles or quakes in the wind; a type of skiing that involves quick, short turns on steep slopes

synonym : tree, hardwood

(1) **aspen** grove, (2) golden **aspen** leaves

The **aspen** trees turned a bright yellow in the fall, creating a beautiful sight.

destroy

v. to ruin or damage severely or completely; to eradicate or eliminate completely

synonym : demolish, ruin, obliterate

(1) **destroy** the ecosystem, (2) **destroyed** evidence
The building was **destroyed** in the fire and had to be rebuilt.

cycle

n. an interval during which a recurring sequence of events occurs; a bicycle or motorcycle

synonym: revolution, rotation, bike

(1) the **cycle** of the seasons, (2) go to the workplace by **cycle**

The food chain causes a material **cycle**.

motorcycle

n. a two-wheeled vehicle that is driven by an engine and has no pedals

synonym: bike, motor

(1) **motorcycle** gangster, (2) electric **motorcycle**

He had his **motorcycle** license revoked for drunken driving.

Don

n. a Spanish gentleman; a university lecturer, especially a senior member of a college at Oxford or Cambridge

(1) the **don** of the university, (2) **Don** Giovanni

He could never go against what **Don** Carlos said.

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.

plentiful

adj. existing or available in a large quantity or abundance; ample or abundant in supply or availability

synonym: abundant, ample, copious

(1) **plentiful** resources, (2) **plentiful** harvest

The supermarket offers a **plentiful** selection of fresh fruits and vegetables.

barrier

n. a fence or other obstruction that makes it hard to move or get in; any condition that makes it difficult to make progress or to achieve an objective

synonym : border, barricade, fence

(1) cost **barrier**, (2) information **barrier**

The police placed a **barrier** across the street to halt traffic.

immunology

n. the branch of medical science that deals with the immune system of the body and its functions, including the body's response to foreign substances such as viruses and bacteria; it also involves the study of immunodeficiencies, autoimmune diseases, and immunotherapies

synonym : study of immunity, immunobiology, serology

(1) **immunology** research, (2) **immunology** laboratory

Recent advances in **immunology** have shown promise in the fight against cancer

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.

epitope

n. a specific site or portion of an antigen molecule that is recognized and bound by an antibody or immune receptor

synonym : antigenic determinant, antigenic site

(1) immunodominant **epitope**, (2) **epitope** binding

The vaccine targeted a specific **epitope** on the virus's surface protein.

galactose

n. a simple sugar that is found in milk and dairy products and is an important component of lactose, also used in the production of certain types of biodegradable plastics

synonym : sugar

(1) consumption of **galactose**, (2) **galactose** metabolism
People with **galactose** intolerance must avoid dairy products because their bodies cannot break down this sugar.

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.

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.

cow

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

synonym: bovine, cattle, kine

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

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

tendon

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

synonym: tissue, sinew, ligament

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

Tendon injuries are common among athletes.

collagen

n. a fibrous protein that forms the connective tissues in animals, including skin, tendons, and bone; often used in cosmetic and medical treatments for its ability to add firmness and elasticity to skin or other tissues

synonym: gelatin, protein, tissue

(1) **collagen** supplement, (2) **collagen** production

Our natural **collagen** production decreases as we age, leading to wrinkles, sagging skin, and joint pain.

strip

v. to remove the surface from something; (noun) a sizeable narrow piece of something such as paper, metal, cloth, etc., or area of land, sea, etc.

synonym: deprive, undress, (noun) ribbon

(1) **strip** a tire off, (2) coast **strip**

The doctor advised him to **strip** down for a check.

antigen

n. a substance that triggers the body's immune response (= the reaction for fighting infections) for defending the body, especially by producing antibodies (= proteins that identify and attack harmful bacteria, viruses, etc.)

(1) detect **antigen**, (2) viral **antigen**

Antigen testing is less accurate than PCR testing but easier to perform.

degrade

v. to make something worse, especially in quality; to show or treat someone in a way that makes them seem no value and do not have the respect or reasonable opinion of others

synonym: demean, disgrace, impair

(1) **degrade** his public image, (2) **degrade** environmental quality

You should not **degrade** yourself by allowing them to use you.

acid

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

synonym: sour

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

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

detergent

n. a substance used for washing or cleaning, especially one that can remove dirt or stains effectively

synonym : soap, cleanser, disinfectant

(1) **detergent** solution, (2) laundry **detergent**

I use environmentally friendly **detergent** when I wash my clothes and dishes.

regeneration

n. the process of regrowing or re-forming a body part or tissue that has been lost or damaged due to injury, disease, or other factors; restoration or renewal of vitality, strength, or spirit

synonym : renewal, regrowth, restoration

(1) economic **regeneration**, (2) **regeneration** of forests

The **regeneration** of the damaged tissue in the body is a slow process.

template

n. a pre-designed file or document used as a starting point for a particular application so that the format does not have to be created from scratch

synonym : pattern, model, blueprint

(1) **template** file, (2) **template** design

The **template** format provided a useful guide for creating the budget.

insert

v. to put something inside something else

synonym : introduce, add, embed

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

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

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**.

intact

adj. undamaged and complete

synonym: flawless, unchanged, entire

(1) **intact** brain, (2) **intact** forestland

Despite the scandals, his reputation remained **intact**.

blend

v. to mix or combine two or more substances

synonym: combine, mix, intermingle

(1) **blend** all the elements, (2) **blend** milk and cream

The toad altered its appearance to better **blend** in with its new environments.

enzyme

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

synonym: catalyst, activator, accelerator

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

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

technique

n. a particular way or art of doing something that needs skill

synonym: approach, procedure, strategy

(1) a **technique** in martial arts, (2) the **technique** applied to construction

Jockey's superior **technique** brought him victory.

humanize

v. to make something or someone more humane or compassionate; to make something more relatable or understandable to humans

synonym: civilize, personalize

(1) **humanize** my pet, (2) **humanize** a room

The charity event aims to **humanize** the homeless rather than treat them as mere statistics.

mast

n. a long pole aboard a boat or ship that holds up the sails

(1) **mast** height, (2) built-up **mast**

The main cabin is located in front of the **mast**.

downhill

adv. in a direction that is downward or from a higher to a lower point; in a progressively worse or deteriorating manner

synonym : downslope

(1) ski **downhill**, (2) walk **downhill** to the beach

The family's finances have been going **downhill** since they lost their main source of income.

championship

n. a contest to decide who is the best player or team in a particular sport; the act of providing approval and support

synonym : crown, title, contest

(1) a world **championship**, (2) **championship** flag

His team won the **championship** for three years running.

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.

pending

adj. awaiting a decision or resolution; yet to be resolved

synonym : waiting, undetermined, forthcoming

(1) **pending** approval, (2) patent **pending**

I had a **pending** transaction on my credit card.

revolutionize

v. to bring about a complete or radical change in something, often through the introduction of new methods or ideas

synonym : transform, innovate, modernize

(1) **revolutionize** the industry, (2) **revolutionize** the technology

The invention of the smartphone **revolutionized** the way we communicate with each other.

tack

n. a method of changing the course of a sailing vessel by turning the bow through the wind so that the wind

switches from one side of the vessel to the other; a course of action or strategy, particularly in politics or business; (verb) to fasten or attach something, such as pinning or nailing an object in place

synonym : course, direction, approach

(1) change **tack**, (2) **tack** to the refrigerator door

I need to change the **tack** of the sailboat to avoid hitting the rocks.

heal

v. to make a wound or injury to become well again

synonym : recover, bring around, mend

(1) **heal** a broken bone, (2) **heal** the hurt mind

It will take time for her mental scars to **heal**.

rebuild

v. to build again or anew

synonym : reconstruct, renovate, restore

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

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

resurface

v. to restore or repair the surface of something, particularly a road, pavement, or sports field; to come to the surface or become visible again after a period of obscurity or concealment

synonym : renew, restore, revamp

(1) **resurface** more than once, (2) **resurface** a tennis court

The city plans to **resurface** the roads downtown to fix potholes and cracks.

advantage

n. a condition or circumstance that puts one in a favorable or superior position; a beneficial feature or asset that someone or something has

synonym : benefit, edge, asset

(1) score an **advantage**, (2) take **advantage** of his weak points

One of the main **advantages** of the new product is its increased efficiency.

kingdom

n. the country ruled by a king or queen

synonym : empire, realm, land

(1) establish his **kingdom**, (2) a subordinate **kingdom**

By remaining neutral, this **kingdom** continued to exist.

ambulate

v. to walk or move about, often used in medical contexts to refer to a patient's ability to move around, especially after surgery or when recovering from an injury

synonym : walk, stroll, wander

(1) **ambulate** without assistance, (2) **ambulate** smoothly

Physical therapy will help him **ambulate** more confidently.

harness

v. to control and exploit the power of something, especially natural resources that produce energy; (noun) a set of narrow pieces of leather and metal that are used to control or hold in place a person, animal, or object

synonym : rein in, control, (noun) belt

(1) **harness** a horse to a carriage, (2) put a **harness** on my pet

People have been exploring ways to **harness** natural forces and resources since ancient times.

economical

adj. providing a satisfactory return on the money, time, or effort; not using more money, fuel, etc. than necessary

synonym : frugal, thrifty, parsimonious

(1) **economical** use of her time, (2) an **economical** meal

It is more **economical** to wash your plastic bottle and reuse it.

hardware

n. durable tools, machinery, and other equipment; the physical and electronic parts of a computer or other electronic systems

synonym : gear, apparatus, gadget

(1) the **hardware** department, (2) a vast inventory of **hardware**

The mouse and keyboard are essential **hardware** for operating a PC.

software

n. a set of computer programs and associated documentation and data for doing particular computational jobs

synonym : program, system, operating system

(1) **software** architect, (2) copyrighted **software**

The company specializes in both hardware and **software**.

ware

n. goods or merchandise that are offered for sale, typically referring to items that are produced in large quantities, such as kitchenware, software, and hardware

synonym : merchandise, product, goods

(1) **ware** store, (2) bamboo **ware**

The store sells a wide range of porcelain **ware**, including plates, bowls, and mugs.

operate

v. to work in a particular way; to supervise something

synonym : work, use, employ

(1) **operate** 24 hours a day, (2) manually **operate** a machine

This machine is too difficult to **operate** for me.

Session 2: Spelling

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|---------------------------------|---|
| 1. an unnamed do__r | <i>n.</i> a person or an organization that makes a gift of money, food, supplies, etc. to a cause or fund; in medicine, a person who gives blood or tissue or an organ to be used in another person |
| 2. undergo a surgical pr_____re | <i>n.</i> a way of doing something, especially the official or well-known way |
| 3. re_____ce a tennis court | <i>v.</i> to restore or repair the surface of something, particularly a road, pavement, or sports field; to come to the surface or become visible again after a period of obscurity or concealment |
| 4. de_____yed evidence | <i>v.</i> to ruin or damage severely or completely; to eradicate or eliminate completely |
| 5. mot_____le gangster | <i>n.</i> a two-wheeled vehicle that is driven by an engine and has no pedals |
| 6. the cy__e of the seasons | <i>n.</i> an interval during which a recurring sequence of events occurs; a bicycle or motorcycle |
| 7. electric mot_____le | <i>n.</i> a two-wheeled vehicle that is driven by an engine and has no pedals |
| 8. sh__k-resistant | <i>n.</i> a strong feeling or physical reaction to a sudden and unexpected event or experience, especially something unpleasant |

ANSWERS: 1. donor, 2. procedure, 3. resurface, 4. destroy, 5. motorcycle, 6. cycle, 7. motorcycle, 8. shock

9. rev_____ize the technology *v.* to bring about a complete or radical change in something, often through the introduction of new methods or ideas
10. ep_____e binding *n.* a specific site or portion of an antigen molecule that is recognized and bound by an antibody or immune receptor
11. op_____e 24 hours a day *v.* to work in a particular way; to supervise something
12. mentally un_____le *adj.* lacking solidity, persistence, or firmness and therefore not strong, safe, or likely to continue; lacking control of one's emotions
13. the b__z of a cicada *v.* to make a continuous, low humming sound such as the one bee makes; an exciting and active atmosphere
14. cl_____al surgery *adj.* of or relating to the examination and treatment of patients rather than theoretical or laboratory studies
15. hu_____ze my pet *v.* to make something or someone more humane or compassionate; to make something more relatable or understandable to humans
16. 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
17. gr__t surgery *n.* a transplanted portion of tissue or skin, often taken from one part of the body and used to repair or replace damaged or missing tissue in another part; a corrupt or illegal means of acquiring wealth or power through illicit or unethical methods

ANSWERS: 9. revolutionize, 10. epitope, 11. operate, 12. unstable, 13. buzz, 14. clinical, 15. humanize, 16. replacement, 17. graft

18. feeling wo____ut *adj.* exhausted or fatigued from overuse or prolonged activity; no longer effective or functional due to excessive wear or use
19. a vast inventory of ha____re *n.* durable tools, machinery, and other equipment; the physical and electronic parts of a computer or other electronic systems
20. re____ce more than once *v.* to restore or repair the surface of something, particularly a road, pavement, or sports field; to come to the surface or become visible again after a period of obscurity or concealment
21. so____re architect *n.* a set of computer programs and associated documentation and data for doing particular computational jobs
22. ort____ic clinic *adj.* relating to the branch of medicine concerned with the correction or prevention of deformities, disorders, or injuries of the skeletal system and associated muscles, joints, and ligaments
23. co____en production *n.* a fibrous protein that forms the connective tissues in animals, including skin, tendons, and bone; often used in cosmetic and medical treatments for its ability to add firmness and elasticity to skin or other tissues
24. in an ugly m__d *n.* the way you feel at a particular time; an angry or impatient state of mind

ANSWERS: 18. worn-out, 19. hardware, 20. resurface, 21. software, 22. orthopedic, 23. collagen, 24. mood

25. pl_____ul resources *adj.* existing or available in a large quantity or abundance; ample or abundant in supply or availability
26. ar_____ar inflammation *adj.* relating to a joint or joints, often used in medical or anatomical contexts to describe structures or movements associated with joints
27. in___t coin *v.* to put something inside something else
28. a n__b mind *adj.* unable to feel physical sensation and movement; not showing human feeling or sensitivity
29. h__l the hurt mind *v.* to make a wound or injury to become well again
30. art_____al flowers *adj.* not natural and made by human beings; not real but produced to resemble something
31. a civil en_____er *n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software
32. evening pr_____de *n.* a stroll or walk, often taken in a public place or park; a public place for walking or strolling, often filled with shops or vendors; a dance movement in which the partners move around the floor in a circle or similar pattern
33. death from sh__k *n.* a strong feeling or physical reaction to a sudden and unexpected event or experience, especially something unpleasant

ANSWERS: 25. plentiful, 26. articular, 27. insert, 28. numb, 29. heal, 30. artificial, 31. engineer, 32. promenade, 33. shock

34. manually op_____e a machine *v.* to work in a particular way; to supervise something
35. r__n the plan *v.* to damage, spoil, or demolish something; (noun) an unrecoverable state of devastation and destruction,
36. 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
37. 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
38. st__p a tire off *v.* to remove the surface from something; (noun) a sizeable narrow piece of something such as paper, metal, cloth, etc., or area of land, sea, etc.
39. st_____ze blood sugar levels *v.* to become or cause to become steady or unlikely to give way
40. cell and molecular bi_____y *n.* the scientific study of life and the natural processes of living things
41. wo_____ut machinery *adj.* exhausted or fatigued from overuse or prolonged activity; no longer effective or functional due to excessive wear or use
42. de_____nt solution *n.* a substance used for washing or cleaning, especially one that can remove dirt or stains effectively
43. am_____te without assistance *v.* to walk or move about, often used in medical contexts to refer to a patient's ability to move around, especially after surgery or when recovering from an injury

ANSWERS: 34. operate, 35. ruin, 36. transplant, 37. disease, 38. strip, 39. stabilize, 40. biology, 41. worn-out, 42. detergent, 43. ambulate

44. score an ad_____ge *n.* a condition or circumstance that puts one in a favorable or superior position; a beneficial feature or asset that someone or something has
45. n__b with cold *adj.* unable to feel physical sensation and movement; not showing human feeling or sensitivity
46. the m__d in a room *n.* the way you feel at a particular time; an angry or impatient state of mind
47. a fatal in___y *n.* harm done to a person's or an animal's body caused by an accident or an attack
48. in___t a graphic *v.* to put something inside something else
49. immunodominant ep_____e *n.* a specific site or portion of an antigen molecule that is recognized and bound by an antibody or immune receptor
50. h__t progress *v.* to bring or come to a stop; to force to stop moving or operating
51. put a ha_____s on my pet *v.* to control and exploit the power of something, especially natural resources that produce energy; (noun) a set of narrow pieces of leather and metal that are used to control or hold in place a person, animal, or object
52. as___e an important role *v.* to think or accept something to be true without having proof of it; to take or begin to have power; to begin to exhibit a specific quality or appearance
53. st_____ze prices *v.* to become or cause to become steady or unlikely to give way

ANSWERS: 44. advantage, 45. numb, 46. mood, 47. injury, 48. insert, 49. epitope, 50. halt, 51. harness, 52. assume, 53. stabilize

54. lack of digestive en___es *n.* a substance produced by a living organism that acts as a catalyst to bring about a specific biochemical reaction
55. a li_____nt in the ankle *n.* a band of tissue that connects bones or holds organs in place to support and stabilize the body
56. evolutionary bi_____y *n.* the scientific study of life and the natural processes of living things
57. pre-mo___n agricultural society *adj.* of or belonging to the present time or recent times
58. pl_____ul harvest *adj.* existing or available in a large quantity or abundance; ample or abundant in supply or availability
59. a subordinate ki_____m *n.* the country ruled by a king or queen
60. cha_____hip flag *n.* a contest to decide who is the best player or team in a particular sport; the act of providing approval and support
61. 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
62. c_w herd *n.* a domesticated mammal with characteristic features such as a hump, large udders, and curved horns that is raised for its milk or meat
63. anti-gr__t law *n.* a transplanted portion of tissue or skin, often taken from one part of the body and used to repair or replace damaged or missing tissue in another part; a corrupt or illegal means of acquiring wealth or power through illicit or unethical methods

ANSWERS: 54. enzyme, 55. ligament, 56. biology, 57. modern, 58. plentiful, 59. kingdom, 60. championship, 61. cancer, 62. cow, 63. graft

64. de____e his public image *v.* to make something worse, especially in quality; to show or treat someone in a way that makes them seem no value and do not have the respect or reasonable opinion of others
65. industry-sp____ic regulations *adj.* clearly defined or particular to a certain thing or situation; distinct, explicit, and precise
66. re____w hair *v.* to grow back or regenerate after being cut or removed, such as cells or tissues in the body, or plants and vegetation
67. symptoms of ar____is *n.* inflammation of one or more joints of the body, which include pain and stiffness
68. 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
69. consumption of ga____se *n.* a simple sugar that is found in milk and dairy products and is an important component of lactose, also used in the production of certain types of biodegradable plastics
70. a facial ti____e *n.* an ensemble of similar cells of the animal or plant that together carry out a specific function
71. 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

ANSWERS: 64. degrade, 65. specific, 66. regrow, 67. arthritis, 68. stem, 69. galactose, 70. tissue, 71. cancer

72. good source of essential amino
a__ds *n.* sour; water-soluble chemicals with a sour flavor; any of a variety of generally liquid compounds capable of reacting with and occasionally dissolving other materials
73. re_____e one word with another *v.* to take the place of something
74. te_____te file *n.* a pre-designed file or document used as a starting point for a particular application so that the format does not have to be created from scratch
75. bl__d milk and cream *v.* to mix or combine two or more substances
76. go on a h__e *n.* a long walk or journey, especially for pleasure or exercise; an increase in cost
77. de_____e environmental quality *v.* to make something worse, especially in quality; to show or treat someone in a way that makes them seem no value and do not have the respect or reasonable opinion of others
78. re_____e a phone *v.* to take the place of something
79. be de_____ed to become a great
artist *v.* to determine or set the course of something in advance, often in a way that seems predetermined or inevitable; to specify or choose someone or something for a particular fate or outcome
80. pa__y face *n.* a type of baked pastry that typically consists of a filling of meat, vegetables, or other ingredients, enclosed in a pastry shell; (adjective) pale, lacking in color, or dull

ANSWERS: 72. acid, 73. replace, 74. template, 75. blend, 76. hike, 77. degrade, 78. replace, 79. destine, 80. pasty

81. economic reg_____ion *n.* the process of regrowing or re-forming a body part or tissue that has been lost or damaged due to injury, disease, or other factors; restoration or renewal of vitality, strength, or spirit
82. me_____us surgery *n.* a thin, curved layer of liquid, especially the concave surface of a liquid in a container; a cartilage disc within a joint, especially a knee
83. 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
84. the ha_____re department *n.* durable tools, machinery, and other equipment; the physical and electronic parts of a computer or other electronic systems
85. walk do_____ll to the beach *adv.* in a direction that is downward or from a higher to a lower point; in a progressively worse or deteriorating manner
86. ab_____b a shock *v.* to take in a fluid or other substance gradually
87. ar_____ar cartilage *adj.* relating to a joint or joints, often used in medical or anatomical contexts to describe structures or movements associated with joints
88. w__e store *n.* goods or merchandise that are offered for sale, typically referring to items that are produced in large quantities, such as kitchenware, software, and hardware

ANSWERS: 81. regeneration, 82. meniscus, 83. cartilage, 84. hardware, 85. downhill, 86. absorb, 87. articular, 88. ware

89. a h__e in prices *n.* a long walk or journey, especially for pleasure or exercise; an increase in cost
90. medication for ar_____is *n.* inflammation of one or more joints of the body, which include pain and stiffness
91. mo___n poetry *adj.* of or belonging to the present time or recent times
92. a jo__t venture *adj.* shared, held, or made between two or more people; (noun) the point of connection between two bones or elements of a skeleton
93. in___t forestland *adj.* undamaged and complete
94. loss of muscle ti___e *n.* an ensemble of similar cells of the animal or plant that together carry out a specific function
95. an alt_____ve plan *n.* one of two or more available possibilities or choice
96. company mo__o *n.* a phrase or slogan that expresses a guiding principle or goal
97. copyrighted so_____re *n.* a set of computer programs and associated documentation and data for doing particular computational jobs
98. detect an_____n *n.* a substance that triggers the body's immune response (= the reaction for fighting infections) for defending the body, especially by producing antibodies (= proteins that identify and attack harmful bacteria, viruses, etc.)

ANSWERS: 89. hike, 90. arthritis, 91. modern, 92. joint, 93. intact, 94. tissue, 95. alternative, 96. motto, 97. software, 98. antigen

99. bamboo w__e *n.* goods or merchandise that are offered for sale, typically referring to items that are produced in large quantities, such as kitchenware, software, and hardware
100. the d_n of the university *n.* a Spanish gentleman; a university lecturer, especially a senior member of a college at Oxford or Cambridge
101. de____y the ecosystem *v.* to ruin or damage severely or completely; to eradicate or eliminate completely
102. first-person na____or *n.* a person who tells a story, especially in a book or film
103. laundry de____nt *n.* a substance used for washing or cleaning, especially one that can remove dirt or stains effectively
104. her de____te screams *adj.* feeling or showing a lack of hope and a willingness to do anything because of the problematic situation
105. golden as__n leaves *n.* a deciduous tree with smooth, white bark that often trembles or quakes in the wind; a type of skiing that involves quick, short turns on steep slopes
106. in__t brain *adj.* undamaged and complete
107. d_m-building program *n.* a wall constructed over a river to block the flow of water, mainly used to generate energy
108. change t__k *n.* a method of changing the course of a sailing vessel by turning the bow through the wind so that the wind switches from one side of the vessel to the other; a course of action or strategy, particularly in politics or business; (verb) to fasten or attach something, such as pinning or nailing an object in place

ANSWERS: 99. ware, 100. Don, 101. destroy, 102. narrator, 103. detergent, 104. desperate, 105. aspen, 106. intact, 107. dam, 108. tack

109. a te_____ue in martial arts *n.* a particular way or art of doing something that needs skill
110. gr__d away at my work *v.* to reduce something to small particles or powder by crushing or rubbing it; to work hard over a long period of time
111. re___w vegetation *v.* to grow back or regenerate after being cut or removed, such as cells or tissues in the body, or plants and vegetation
112. bi___c technology *adj.* relating to or using technology or devices that enhance or replace biological functions, typically in a way that mimics or improves upon the original
113. an eco_____al meal *adj.* providing a satisfactory return on the money, time, or effort; not using more money, fuel, etc. than necessary
114. army su_____n *n.* a doctor who is trained to perform medical operations that involve cutting open a person's body
115. r_d the body of waste products *v.* to make someone or something free of unwanted or unpleasant tasks, objects, or person
116. information ba_____r *n.* a fence or other obstruction that makes it hard to move or get in; any condition that makes it difficult to make progress or to achieve an objective
117. cruciate li_____nt *n.* a band of tissue that connects bones or holds organs in place to support and stabilize the body

ANSWERS: 109. technique, 110. grind, 111. regrow, 112. bionic, 113. economical, 114. surgeon, 115. rid, 116. barrier, 117. ligament

118. b__z marketing *v.* to make a continuous, low humming sound such as the one bee makes; an exciting and active atmosphere
119. eco_____al use of her time *adj.* providing a satisfactory return on the money, time, or effort; not using more money, fuel, etc. than necessary
120. te___n collagen *n.* a strong, fibrous cord of tissue that connects muscle to bone
121. medial me_____us *n.* a thin, curved layer of liquid, especially the concave surface of a liquid in a container; a cartilage disc within a joint, especially a knee
122. cost ba_____r *n.* a fence or other obstruction that makes it hard to move or get in; any condition that makes it difficult to make progress or to achieve an objective
123. sp_____ic instructions *adj.* clearly defined or particular to a certain thing or situation; distinct, explicit, and precise
124. 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
125. 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

ANSWERS: 118. buzz, 119. economical, 120. tendon, 121. meniscus, 122. barrier, 123. specific, 124. patient, 125. develop

126. r__n the reputation *v.* to damage, spoil, or demolish something; (noun) an unrecoverable state of devastation and destruction,
127. the te_____ue applied to construction *n.* a particular way or art of doing something that needs skill
128. participate in cl_____al trials *adj.* of or relating to the examination and treatment of patients rather than theoretical or laboratory studies
129. te___n grafting *n.* a strong, fibrous cord of tissue that connects muscle to bone
130. there is no other alt_____ve *n.* one of two or more available possibilities or choice
131. go to the workplace by cy__e *n.* an interval during which a recurring sequence of events occurs; a bicycle or motorcycle
132. ski do_____ll *adv.* in a direction that is downward or from a higher to a lower point; in a progressively worse or deteriorating manner
133. 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
134. ha_____s a horse to a carriage *v.* to control and exploit the power of something, especially natural resources that produce energy; (noun) a set of narrow pieces of leather and metal that are used to control or hold in place a person, animal, or object

ANSWERS: 126. ruin, 127. technique, 128. clinical, 129. tendon, 130. alternative, 131. cycle, 132. downhill, 133. stem, 134. harness

135. bl__d all the elements *v.* to mix or combine two or more substances
136. en____er shortage *n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software
137. de____e us to meet again *v.* to determine or set the course of something in advance, often in a way that seems predetermined or inevitable; to specify or choose someone or something for a particular fate or outcome
138. bite his tongue li____ly *adv.* in the real or original meaning of a word or phrase; in a literal sense or way; not figuratively
139. re____d communities *v.* to build again or anew
140. en____e reaction *n.* a substance produced by a living organism that acts as a catalyst to bring about a specific biochemical reaction
141. d_m collapsing *n.* a wall constructed over a river to block the flow of water, mainly used to generate energy
142. pr____de in the park *n.* a stroll or walk, often taken in a public place or park; a public place for walking or strolling, often filled with shops or vendors; a dance movement in which the partners move around the floor in a circle or similar pattern
143. patent pe____g *adj.* awaiting a decision or resolution; yet to be resolved

ANSWERS: 135. blend, 136. engineer, 137. destine, 138. literally, 139. rebuild, 140. enzyme, 141. dam, 142. promenade, 143. pending

144. without in___y *n.* harm done to a person's or an animal's body caused by an accident or an attack
145. ab___b energy *v.* to take in a fluid or other substance gradually
146. a world cha_____hip *n.* a contest to decide who is the best player or team in a particular sport; the act of providing approval and support
147. hu_____ze a room *v.* to make something or someone more humane or compassionate; to make something more relatable or understandable to humans
148. reg_____ion of forests *n.* the process of regrowing or re-forming a body part or tissue that has been lost or damaged due to injury, disease, or other factors; restoration or renewal of vitality, strength, or spirit
149. in the mi__t of the crowd *n.* the middle part of people or things
150. in the mi__t of a scandal *n.* the middle part of people or things
151. lung al_____ft *n.* a surgical tissue graft that involves transplanting tissue from one individual to another, typically from a donor to a recipient who is not genetically identical
152. rev_____ize the industry *v.* to bring about a complete or radical change in something, often through the introduction of new methods or ideas
153. h__l a broken bone *v.* to make a wound or injury to become well again

ANSWERS: 144. injury, 145. absorb, 146. championship, 147. humanize, 148. regeneration, 149. midst, 150. midst, 151. allograft, 152. revolutionize, 153. heal

154. 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
155. al_____ft rejection *n.* a surgical tissue graft that involves transplanting tissue from one individual to another, typically from a donor to a recipient who is not genetically identical
156. as___e a lousy attitude to his boss *v.* to think or accept something to be true without having proof of it; to take or begin to have power; to begin to exhibit a specific quality or appearance
157. 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
158. as__n grove *n.* a deciduous tree with smooth, white bark that often trembles or quakes in the wind; a type of skiing that involves quick, short turns on steep slopes
159. gr__d your teeth *v.* to reduce something to small particles or powder by crushing or rubbing it; to work hard over a long period of time
160. bi___c exoskeleton *adj.* relating to or using technology or devices that enhance or replace biological functions, typically in a way that mimics or improves upon the original
161. built-up m__t *n.* a long pole aboard a boat or ship that holds up the sails

ANSWERS: 154. transplant, 155. allograft, 156. assume, 157. cartilage, 158. aspen, 159. grind, 160. bionic, 161. mast

162. h__t production *v.* to bring or come to a stop; to force to stop moving or operating
163. coast st__p *v.* to remove the surface from something; (noun) a sizeable narrow piece of something such as paper, metal, cloth, etc., or area of land, sea, etc.
164. an excellent brain su_____n *n.* a doctor who is trained to perform medical operations that involve cutting open a person's body
165. spare co_____nts for cars *n.* one of several parts that combines with others to form something bigger
166. D_n Giovanni *n.* a Spanish gentleman; a university lecturer, especially a senior member of a college at Oxford or Cambridge
167. imm_____gy laboratory *n.* the branch of medical science that deals with the immune system of the body and its functions, including the body's response to foreign substances such as viruses and bacteria; it also involves the study of immunodeficiencies, autoimmune diseases, and immunotherapies
168. a transfusion of do__r blood *n.* a person or an organization that makes a gift of money, food, supplies, etc. to a cause or fund; in medicine, a person who gives blood or tissue or an organ to be used in another person
169. rep_____nt cost *n.* the act of replacing something with something else, especially that is newer or better; a person or thing that takes or can take the place of another

ANSWERS: 162. halt, 163. strip, 164. surgeon, 165. component, 166. Don, 167. immunology, 168. donor, 169. replacement

170. 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
171. 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
172. te____te design *n.* a pre-designed file or document used as a starting point for a particular application so that the format does not have to be created from scratch
173. the bone of a jo__t *adj.* shared, held, or made between two or more people; (noun) the point of connection between two bones or elements of a skeleton
174. am____te smoothly *v.* to walk or move about, often used in medical contexts to refer to a patient's ability to move around, especially after surgery or when recovering from an injury
175. the na____or of the TV program *n.* a person who tells a story, especially in a book or film
176. translate li____ly *adv.* in the real or original meaning of a word or phrase; in a literal sense or way; not figuratively
177. t__k to the refrigerator door *n.* a method of changing the course of a sailing vessel by turning the bow through the wind so that the wind switches from one side of the vessel to the other; a course of action or strategy, particularly in politics or business; (verb) to fasten or attach something, such as pinning or nailing an object in place

ANSWERS: 170. develop, 171. patient, 172. template, 173. joint, 174. ambulate, 175.

narrator, 176. literally, 177. tack

178. imm_____gy research *n.* the branch of medical science that deals with the immune system of the body and its functions, including the body's response to foreign substances such as viruses and bacteria; it also involves the study of immunodeficiencies, autoimmune diseases, and immunotherapies
179. co_____en supplement *n.* a fibrous protein that forms the connective tissues in animals, including skin, tendons, and bone; often used in cosmetic and medical treatments for its ability to add firmness and elasticity to skin or other tissues
180. pe_____g approval *adj.* awaiting a decision or resolution; yet to be resolved
181. ort_____ic shoes *adj.* relating to the branch of medicine concerned with the correction or prevention of deformities, disorders, or injuries of the skeletal system and associated muscles, joints, and ligaments
182. m__t height *n.* a long pole aboard a boat or ship that holds up the sails
183. get r_d of the rats *v.* to make someone or something free of unwanted or unpleasant tasks, objects, or person
184. re_____d a company *v.* to build again or anew
185. ga_____se metabolism *n.* a simple sugar that is found in milk and dairy products and is an important component of lactose, also used in the production of certain types of biodegradable plastics

ANSWERS: 178. immunology, 179. collagen, 180. pending, 181. orthopedic, 182. mast, 183. rid, 184. rebuild, 185. galactose

186. key co_____nt *n.* one of several parts that combines with others to form something bigger
187. un_____le weather *adj.* lacking solidity, persistence, or firmness and therefore not strong, safe, or likely to continue; lacking control of one's emotions
188. viral an_____n *n.* a substance that triggers the body's immune response (= the reaction for fighting infections) for defending the body, especially by producing antibodies (= proteins that identify and attack harmful bacteria, viruses, etc.)
189. de_____te attempt *adj.* feeling or showing a lack of hope and a willingness to do anything because of the problematic situation
190. establish his ki_____m *n.* the country ruled by a king or queen
191. art_____al environment *adj.* not natural and made by human beings; not real but produced to resemble something
192. standard pr_____re *n.* a way of doing something, especially the official or well-known way
193. take ad_____ge of his weak points *n.* a condition or circumstance that puts one in a favorable or superior position; a beneficial feature or asset that someone or something has
194. dairy c_w *n.* a domesticated mammal with characteristic features such as a hump, large udders, and curved horns that is raised for its milk or meat

ANSWERS: 186. component, 187. unstable, 188. antigen, 189. desperate, 190. kingdom, 191. artificial, 192. procedure, 193. advantage, 194. cow

195. 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
196. the mo__o for safe traffic *n.* a phrase or slogan that expresses a guiding principle or goal
197. an a__d reaction *n.* sour; water-soluble chemicals with a sour flavor; any of a variety of generally liquid compounds capable of reacting with and occasionally dissolving other materials
198. Cornish pa__y *n.* a type of baked pastry that typically consists of a filling of meat, vegetables, or other ingredients, enclosed in a pastry shell; (adjective) pale, lacking in color, or dull

ANSWERS: 195. disease, 196. motto, 197. acid, 198. pasty

Session 3: Fill in the Blanks

1. We must ____ ourselves of pollution.
 - v. to make someone or something free of unwanted or unpleasant tasks, objects, or person

2. He had his _____ license revoked for drunken driving.
 - n. a two-wheeled vehicle that is driven by an engine and has no pedals

3. 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

4. The main cabin is located in front of the _____.
 - n. a long pole aboard a boat or ship that holds up the sails

5. They are planning to _____ the house after the fire.
 - v. to build again or anew

6. The toad altered its appearance to better _____ in with its new environments.
 - v. to mix or combine two or more substances

7. He was _____ when he lost all his money by gambling.
 - adj. feeling or showing a lack of hope and a willingness to do anything because of the problematic situation

8. The city plans to _____ the roads downtown to fix potholes and cracks.
 - v. to restore or repair the surface of something, particularly a road, pavement, or sports field; to come to the surface or become visible again after a period of obscurity or concealment

ANSWERS: 1. rid, 2. motorcycle, 3. develop, 4. mast, 5. rebuild, 6. blend, 7. desperate, 8. resurface

9. Physical therapy will help him _____ more confidently.
- v.* to walk or move about, often used in medical contexts to refer to a patient's ability to move around, especially after surgery or when recovering from an injury
10. He got an electric _____ at work.
- n.* a strong feeling or physical reaction to a sudden and unexpected event or experience, especially something unpleasant
11. The _____ of the damaged tissue in the body is a slow process.
- n.* the process of regrowing or re-forming a body part or tissue that has been lost or damaged due to injury, disease, or other factors; restoration or renewal of vitality, strength, or spirit
12. People with _____ intolerance must avoid dairy products because their bodies cannot break down this sugar.
- n.* a simple sugar that is found in milk and dairy products and is an important component of lactose, also used in the production of certain types of biodegradable plastics
13. 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
14. He knocked over the red wine and _____ the tablecloth.
- v.* to damage, spoil, or demolish something; (noun) an unrecoverable state of devastation and destruction,
15. The mouse and keyboard are essential _____ for operating a PC.
- n.* durable tools, machinery, and other equipment; the physical and electronic parts of a computer or other electronic systems

ANSWERS: 9. ambulate, 10. shock, 11. regeneration, 12. galactose, 13. specific, 14. ruined, 15. hardware

16. By remaining neutral, this _____ continued to exist.
n. the country ruled by a king or queen
17. The doctor advised him to _____ down for a check.
v. to remove the surface from something; (noun) a sizeable narrow piece of something such as paper, metal, cloth, etc., or area of land, sea, etc.
18. The raising of interest rates _____ the inflation rate.
v. to become or cause to become steady or unlikely to give way
19. She had to _____ the coffee beans before making a fresh cup.
v. to reduce something to small particles or powder by crushing or rubbing it; to work hard over a long period of time
20. 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
21. The store sells a wide range of porcelain _____ including plates, bowls, and mugs.
n. goods or merchandise that are offered for sale, typically referring to items that are produced in large quantities, such as kitchenware, software, and hardware
22. The _____ trees turned a bright yellow in the fall, creating a beautiful sight.
n. a deciduous tree with smooth, white bark that often trembles or quakes in the wind; a type of skiing that involves quick, short turns on steep slopes
23. It is more _____ to wash your plastic bottle and reuse it.
adj. providing a satisfactory return on the money, time, or effort; not using more money, fuel, etc. than necessary

ANSWERS: 16. kingdom, 17. strip, 18. stabilizes, 19. grind, 20. replacement, 21. ware, 22. aspen, 23. economical

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

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

25. The patient had an _____ fracture in his wrist.

adj. relating to a joint or joints, often used in medical or anatomical contexts to describe structures or movements associated with joints

26. Their headquarters are in a _____ skyscraper.

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

27. He _____ jumped out of his chair when he heard the news.

adv. in the real or original meaning of a word or phrase; in a literal sense or way; not figuratively

28. Some people believe that we are all _____ for greatness.

v. to determine or set the course of something in advance, often in a way that seems predetermined or inevitable; to specify or choose someone or something for a particular fate or outcome

29. 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

30. The food chain causes a material _____.

n. an interval during which a recurring sequence of events occurs; a bicycle or motorcycle

ANSWERS: 24. artificial, 25. articular, 26. modern, 27. literally, 28. destined, 29. patient's, 30. cycle

31. 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
32. Eventually, the new design will _____ all older models.
v. to take the place of something
33. After the summit meeting, the prime ministers issued a _____ statement.
adj. shared, held, or made between two or more people; (noun) the point of connection between two bones or elements of a skeleton
34. The athlete visited the _____ surgeon to have her injured knee examined and treated.
adj. relating to the branch of medicine concerned with the correction or prevention of deformities, disorders, or injuries of the skeletal system and associated muscles, joints, and ligaments
35. 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
36. A deficiency in the _____ can lead to a medical condition.
n. a substance produced by a living organism that acts as a catalyst to bring about a specific biochemical reaction
37. The _____ makes use of the local dialect.
n. a person who tells a story, especially in a book or film
38. The company specializes in both hardware and _____.
n. a set of computer programs and associated documentation and data for doing particular computational jobs

ANSWERS: 31. biology, 32. replace, 33. joint, 34. orthopedic, 35. cartilage, 36. enzyme, 37. narrator, 38. software

39. The old carpet in the living room was so _____ that it needed to be replaced.

adj. exhausted or fatigued from overuse or prolonged activity; no longer effective or functional due to excessive wear or use

40. The invention of the smartphone _____ the way we communicate with each other.

v. to bring about a complete or radical change in something, often through the introduction of new methods or ideas

41. My left arm became _____.

adj. unable to feel physical sensation and movement; not showing human feeling or sensitivity

42. The supermarket offers a _____ selection of fresh fruits and vegetables.

adj. existing or available in a large quantity or abundance; ample or abundant in supply or availability

43. 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

44. 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

45. 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

ANSWERS: 39. worn-out, 40. revolutionized, 41. numb, 42. plentiful, 43. cancer, 44. transplant, 45. stem

46. His team won the _____ for three years running.
- n.* a contest to decide who is the best player or team in a particular sport; the act of providing approval and support
47. 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
48. The break in the ____ threatened the valley.
- n.* a wall constructed over a river to block the flow of water, mainly used to generate energy
49. My rheumatoid _____ is acting up again.
- n.* inflammation of one or more joints of the body, which include pain and stiffness
50. _____ testing is less accurate than PCR testing but easier to perform.
- n.* a substance that triggers the body's immune response (= the reaction for fighting infections) for defending the body, especially by producing antibodies (= proteins that identify and attack harmful bacteria, viruses, etc.)
51. The tower proved to be _____ in the high wind.
- adj.* lacking solidity, persistence, or firmness and therefore not strong, safe, or likely to continue; lacking control of one's emotions
52. The boardwalk by the beach was a beautiful _____ for tourists and locals alike.
- n.* a stroll or walk, often taken in a public place or park; a public place for walking or strolling, often filled with shops or vendors; a dance movement in which the partners move around the floor in a circle or similar pattern

ANSWERS: 46. championship, 47. surgeon, 48. dam, 49. arthritis, 50. Antigen, 51. unstable, 52. promenade

53. His gaffe spoiled the _____ of the dinner party.

n. the way you feel at a particular time; an angry or impatient state of mind

54. One of the main _____ of the new product is its increased efficiency.

n. a condition or circumstance that puts one in a favorable or superior position; a beneficial feature or asset that someone or something has

55. I heard the _____ of conversation from the next room.

v. to make a continuous, low humming sound such as the one bee makes; an exciting and active atmosphere

56. The patient's skin _____ procedure was successful, and he was released from the hospital.

n. a transplanted portion of tissue or skin, often taken from one part of the body and used to repair or replace damaged or missing tissue in another part; a corrupt or illegal means of acquiring wealth or power through illicit or unethical methods

57. The _____ format provided a useful guide for creating the budget.

n. a pre-designed file or document used as a starting point for a particular application so that the format does not have to be created from scratch

58. The charity event aims to _____ the homeless rather than treat them as mere statistics.

v. to make something or someone more humane or compassionate; to make something more relatable or understandable to humans

59. It will take time for her mental scars to _____.

v. to make a wound or injury to become well again

ANSWERS: 53. mood, 54. advantages, 55. buzz, 56. graft, 57. template, 58. humanize, 59. heal

60. His body rejected the liver of the _____.

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

61. The family decided to _____ in the mountains to enjoy the beautiful scenery.

- n.* a long walk or journey, especially for pleasure or exercise; an increase in cost

62. The farmer milked the _____ every morning before breakfast.

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

63. 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

64. The patient underwent an _____ procedure to replace the damaged tissue with donor tissue.

- n.* a surgical tissue graft that involves transplanting tissue from one individual to another, typically from a donor to a recipient who is not genetically identical

65. The researchers try to discover a common _____ in all types of successful organizations.

- n.* one of several parts that combines with others to form something bigger

66. The family's finances have been going _____ since they lost their main source of income.

- adv.* in a direction that is downward or from a higher to a lower point; in a progressively worse or deteriorating manner

ANSWERS: 60. donor, 61. hike, 62. cows, 63. tissue, 64. allograft, 65. component, 66. downhill

67. The police placed a _____ across the street to halt traffic.
n. a fence or other obstruction that makes it hard to move or get in; any condition that makes it difficult to make progress or to achieve an objective
68. The building was _____ in the fire and had to be rebuilt.
v. to ruin or damage severely or completely; to eradicate or eliminate completely
69. Lizards can _____ their tails if they are cut off.
v. to grow back or regenerate after being cut or removed, such as cells or tissues in the body, or plants and vegetation
70. The soldier was fitted with a _____ arm after losing him in combat.
adj. relating to or using technology or devices that enhance or replace biological functions, typically in a way that mimics or improves upon the original
71. You should not _____ yourself by allowing them to use you.
v. to make something worse, especially in quality; to show or treat someone in a way that makes them seem no value and do not have the respect or reasonable opinion of others
72. My accidental _____ got better right away.
n. harm done to a person's or an animal's body caused by an accident or an attack
73. The pilot and flight attendant ran through the check-out _____.
n. a way of doing something, especially the official or well-known way
74. The _____ in the knee provide stability and support.
n. a band of tissue that connects bones or holds organs in place to support and stabilize the body

ANSWERS: 67. barrier, 68. destroyed, 69. regrow, 70. bionic, 71. degrade, 72. injury, 73. procedure, 74. ligaments

75. Jockey's superior _____ brought him victory.
n. a particular way or art of doing something that needs skill
76. He remained serene in the _____ of turbulence.
n. the middle part of people or things
77. She _____ a new chapter into her manuscript.
v. to put something inside something else
78. The company's _____ is "Innovation and Service," which is reflected in its products and customer support.
n. a phrase or slogan that expresses a guiding principle or goal
79. He could never go against what _____ Carlos said.
n. a Spanish gentleman; a university lecturer, especially a senior member of a college at Oxford or Cambridge
80. Our natural _____ production decreases as we age, leading to wrinkles, sagging skin, and joint pain.
n. a fibrous protein that forms the connective tissues in animals, including skin, tendons, and bone; often used in cosmetic and medical treatments for its ability to add firmness and elasticity to skin or other tissues
81. The sponge _____ water well.
v. to take in a fluid or other substance gradually
82. Basketball players risk damaging their _____ more due to the constant jumping and quick movements.
n. a thin, curved layer of liquid, especially the concave surface of a liquid in a container; a cartilage disc within a joint, especially a knee

ANSWERS: 75. technique, 76. midst, 77. inserted, 78. motto, 79. Don, 80. collagen, 81. absorbs, 82. meniscus

83. I had a _____ transaction on my credit card.

adj. awaiting a decision or resolution; yet to be resolved

84. I plan to pick up a chicken _____ at that bakery on my way home from work.

n. a type of baked pastry that typically consists of a filling of meat, vegetables, or other ingredients, enclosed in a pastry shell; (adjective) pale, lacking in color, or dull

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

n. one of two or more available possibilities or choice

86. The _____ will repair my telephone tomorrow morning.

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

87. She received special _____ training at the hospital.

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

88. The vaccine targeted a specific _____ on the virus's surface protein.

n. a specific site or portion of an antigen molecule that is recognized and bound by an antibody or immune receptor

89. The following example _____ that the capacity of each battery is the same.

v. to think or accept something to be true without having proof of it; to take or begin to have power; to begin to exhibit a specific quality or appearance

90. I use environmentally friendly _____ when I wash my clothes and dishes.

n. a substance used for washing or cleaning, especially one that can remove dirt or stains effectively

ANSWERS: 83. pending, 84. pasty, 85. alternative, 86. engineer, 87. clinical, 88. epitope, 89. assumes, 90. detergent

91. _____ injuries are common among athletes.
n. a strong, fibrous cord of tissue that connects muscle to bone
92. Recent advances in _____ have shown promise in the fight against cancer
n. the branch of medical science that deals with the immune system of the body and its functions, including the body's response to foreign substances such as viruses and bacteria; it also involves the study of immunodeficiencies, autoimmune diseases, and immunotherapies
93. People have been exploring ways to _____ natural forces and resources since ancient times.
v. to control and exploit the power of something, especially natural resources that produce energy; (noun) a set of narrow pieces of leather and metal that are used to control or hold in place a person, animal, or object
94. Despite the scandals, his reputation remained _____.
adj. undamaged and complete
95. 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
96. The train came to a _____ at the station.
v. to bring or come to a stop; to force to stop moving or operating
97. During pregnancy, the stomach generates less _____ than usual.
n. sour; water-soluble chemicals with a sour flavor; any of a variety of generally liquid compounds capable of reacting with and occasionally dissolving other materials

ANSWERS: 91. Tendon, 92. immunology, 93. harness, 94. intact, 95. disease, 96. halt, 97. acid

98. This machine is too difficult to _____ for me.

v. to work in a particular way; to supervise something

99. I need to change the _____ of the sailboat to avoid hitting the rocks.

n. a method of changing the course of a sailing vessel by turning the bow through the wind so that the wind switches from one side of the vessel to the other; a course of action or strategy, particularly in politics or business; (verb) to fasten or attach something, such as pinning or nailing an object in place

ANSWERS: 98. operate, 99. tack