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Vocabulary Builder Reference from...

Christina Costa: How gratitude rewires your brain | TED Talk

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

All Words

IMPORTANT

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Session 1: Word List

brain

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

synonym : intellect, mind, encephalon

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

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

kindergarten

n. a school or class for young children, usually between the ages of four and six

synonym : preschool, nursery school, daycare

(1) **kindergarten** class, (2) **kindergarten** teacher

The **kindergarten** students were having a good time playing with toys.

tap

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

synonym : knock, exploit, use

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

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

decide

v. to make up someone's mind about something; to come to a conclusion or judgment after considering options

synonym : choose, determine, settle

(1) **decide** a question, (2) **decide** on a course of action
She couldn't **decide** whether to order the pizza or the pasta for dinner.

ritual

n. any customary observance or practice; any prescribed procedure for conducting religious ceremonies
synonym: tradition, ceremony, routine

(1) a **ritual** dance, (2) morning **ritual**

The woman of the house does the holy **ritual** of lighting two candles.

gratitude

n. the quality of being thankful; readiness to show appreciation for and to return kindness
synonym: appreciation, thankfulness, indebtedness

(1) a debt of **gratitude**, (2) feelings of **gratitude**

She expressed her **gratitude** towards the kind stranger who helped her.

grad

n. (informal for graduate) a student who has recently graduated or is about to graduate from a school, college, or university

synonym: graduate, alumnus, alumni

(1) high school **grad**, (2) **grad** student

He was proud to be a **grad** of the prestigious university.

psychology

n. the scientific study of mind and behavior

(1) **psychology** experiment, (2) **psychology** of crowd

She had a master's degree in **psychology**.

investigate

v. to conduct a systematic or formal inquiry to identify and evaluate the facts of a crime, problem, statement, etc. to establish the truth

synonym: examine, analyze, look into

(1) **investigate** the matter, (2) **investigate** a data leak

The committee **investigated** several apparent inconsistencies.

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.

individual

n. a single person or thing, as distinct from a group

synonym: person, being, self

(1) a private **individual**, (2) **individual** freedom

As an **individual**, he had the right to make his own decisions and live his life as he saw fit.

communal

adj. belonging to or used by a group rather than individuals; for common use

synonym: collaborative, combined, collective

(1) **communal** swimming pool, (2) **communal** combination of funds

Communal elections were held in several European countries.

thrive

v. to grow vigorously; to make steady progress

synonym: bloom, flourish, prosper

(1) **thrive** in a society, (2) **thrive** on pressure

Without investment, a business cannot **thrive**.

undergraduate

n. a student who is studying for their first degree at a university or other higher education institution

synonym: college student, freshman

(1) engineering **undergraduate**, (2) **undergraduate** course

The class was composed of both **undergraduate** and graduate students.

absolute

adj. perfect or complete or to the most considerable degree possible

synonym: complete, infrangible, indisputable

(1) **absolute** loyalty, (2) an **absolute** must

Gandhi had an **absolute** zeal for nonviolence.

phrase

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

synonym: expression, idiom, term

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

We bought a Spanish **phrase** book.

migraine

n. a severe headache typically felt as a throbbing pain on one side of the head

synonym: headache, cephalalgia, hemicrania

(1) suffer from **migraine**, (2) **migraine** attack

She gets **migraines** whenever she's under a lot of stress.

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**.

blur

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

synonym: smudge, smear, fuzz

(1) **blur** image, (2) motion **blur**

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

vision

n. the ability to think about or see the future with imagination and intelligence; the faculty of being able to see

synonym: sight, image, concept

(1) a prodigious **vision**, (2) telescopic **vision**

Driving is difficult for me because of my poor **vision**.

dizzy

adj. having or causing a whirling sensation and not able to keep balance

synonym : addled, confounded, unsteady

(1) feel **dizzy**, (2) had a **dizzy** spell

Professional skaters can spin fast on the ice without getting **dizzy**.

neurology

n. the branch of medicine that deals with the diagnosis and treatment of disorders of the nervous system

synonym : brain science, nervous system, neuropathology

(1) cognitive **neurology**, (2) **neurology** department

She is studying clinical **neurology** to become a brain surgeon.

mass

n. a large amount of a substance with no definite shape or form; a large number of people or things grouped or crowded together

synonym : abundance, crowd, mob

(1) a **mass** of molten rock, (2) critical **mass**

The **mass** of people who do not own property is politically impotent.

hemisphere

n. half of the terrestrial globe; half of a sphere

(1) northern **hemisphere**, (2) cerebral **hemisphere**

This weather pattern is unique to the southern **hemisphere**.

scared

adj. afraid or frightened

synonym : frightened, fearful, dreading

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

I'm **scared** of insects.

drip

v. to fall in drops or make it fall in drops; (noun) liquid or moisture that falls in drops

synonym : drop, drizzle, trickle

(1) **drip** liquid, (2) **drip** from the vicious wound

Water is **dripping** from the faucet.

mantra

n. a word or phrase, often repeated, that is used as a focus for the mind during meditation

synonym: hymn, chant, phrase

(1) campaign **mantra**, (2) chant the **mantra** of structural reform

She repeated her personal **mantra** to herself to stay motivated.

surgery

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

synonym: operation, (medical) procedure

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

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

pathology

n. the study of the nature and cause of diseases and disorders; the medical specialty that deals with the diagnosis and treatment of diseases and disorders

synonym: medical science, pathophysiology

(1) benign **pathology**, (2) clinical **pathology**

The **pathology** report showed no signs of cancer, giving her family a sense of relief.

diagnose

v. to determine or distinguish the nature of a problem or an illness through a careful analysis

synonym: identify, analyze, interpret

(1) **diagnose** the problem, (2) **diagnose** with CT scans

This device is used to **diagnose** brain cancer and other tumors.

anaplastic

adj. exhibiting a lack of normal differentiation or structure, usually referring to cancer cells that are undifferentiated and rapidly growing

synonym: undifferentiated, fast-growing, aggressive

(1) **anaplastic** gliomas, (2) **anaplastic** astrocytoma

An **anaplastic** tumor is a fast-growing and aggressive form of cancer.

astrocytoma

n. a type of brain tumor that develops from abnormal glial cells called astrocytes

synonym: brain tumor, glioma, glial tumor

(1) **astrocytoma** tumor, (2) high-grade **astrocytoma**

The symptoms of an **astrocytoma** can include headaches, seizures, and problems with balance or coordination.

struggle

v. to make a great effort to do something when it is difficult, or there are a lot of problems; to use force or violence to break away from restraint or constriction

synonym: toil, strive, compete

(1) **struggle** against discrimination, (2) **struggle** to get the job

He could not **struggle** against temptation.

identity

n. the fact of being who or what somebody or something is; the features, emotions, or ideas that distinguish persons from one another

synonym: character, personality, individuality

(1) mistaken **identity**, (2) **identity** as an individual

The terrorist's **identity** remains unknown.

exhaust

n. the system in a vehicle that removes waste gases from the engine; (verb) to make someone completely tired

synonym: emission, fumes, (verb) deplete

(1) **exhaust** pipe, (2) **exhaust** a topic

The factory's **exhaust** fumes polluted the air and affected the health of the nearby residents.

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.

burdensome

adj. causing a heavy burden or load, physically or mentally taxing; difficult to bear or manage

synonym: heavy, onerous, cumbersome

(1) **burdensome** task, (2) **burdensome** load

The heavy backpack was **burdensome** on the long hike through the mountains.

battlefield

n. a place where a battle or conflict is fought

synonym: warzone, front line, combat area

(1) **battlefield** casualties, (2) tactics on the **battlefield**

The general reviewed the plans for the upcoming battle on the **battlefield**.

introductory

adj. intended as an introduction or preliminary; serving as a base or starting point

synonym: beginning, preliminary, initial

(1) **introductory** biology text, (2) product **introductory** sale

The **introductory** class was designed to give students a basic understanding of the subject.

narrative

n. a story or a description of a series of events or process of telling a story

synonym: the tale, chronology, annals

(1) **narrative** poetry, (2) personal **narrative**

The **narrative** handles multiple plot lines and has unpredictable ends.

tumor

n. a mass of diseased tissue that forms when cells in the body divide and grow in an uncontrolled way

synonym: neoplasm, mass, lump

(1) **tumor** growth, (2) **tumor** at remote sites

The patient was diagnosed with a **tumor** in her lung.

desperately

adv. in a way that shows a lack of hope and a willingness to do anything because of the problematic situation; with great urgency

synonym : urgently, perilously, seriously

(1) **desperately** anxious, (2) **desperately** ill patient

The baby clung **desperately** to her mother.

hashtag

n. a word or phrase preceded by the symbol #, used on social media websites and applications to identify messages on a specific topic

(1) marked with a **hashtag**, (2) trending **hashtag**

Our brand's campaign uses a unique **hashtag** to track engagement and reach.

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.

eager

adj. showing enthusiasm and a strong desire or interest to do something

synonym : keen, enthusiastic, ardent

(1) **eager** anticipation, (2) with **eager** eyes

The children were **eager** to start the treasure hunt.

awful

adj. causing fear, dread, or terror; very bad or unpleasant

synonym : terrible, appalling, horrible

(1) an **awful** error, (2) do **awful** damage

I regretted making an **awful** mistake in my final exam.

imagery

n. the use of words or pictures in books, photographs, paintings, etc., that produces pictures in the minds of people; the ability to form mental images of things or events

synonym : metaphors, symbolism, imaging

(1) visual **imagery**, (2) satellite **imagery**

This movie is famous for its romantic **imagery**.

chemo

n. short for chemotherapy, a treatment for cancer that uses drugs to destroy cancer cells

synonym: chemotherapy, antineoplastic

(1) **chemo** patient, (2) **chemo-radiotherapy**

The side effects of **chemo**, such as nausea and hair loss, were a major concern for the patient.

empower

v. to give someone the power or authority to do something

synonym: authorize, endow, entitle

(1) **empower** my life, (2) **empower** the secretary to do the same

The company **empowered** employees to buy low-price items without approval to achieve efficient purchasing.

refer

v. to direct someone's attention, thoughts, or questions to another source or person; to mention, cite, or allude to something as evidence or support

synonym: cite, allude, mention

(1) **refer** to a book, (2) **refer** to a map

Please **refer** to the instruction manual for further assistance.

well-being

n. the state of being happy and healthy and prosperous

synonym: health, welfare, happiness

(1) the **well-being** of a nation, (2) a sense of **well-being**

We are responsible for the care and **well-being** of all our employees.

neuroscience

n. the scientific study of the function, structure, and disorder of the brain and the nervous system

(1) the branch of **neuroscience**, (2) a theoretical concept in **neuroscience**

Our university is famous for its professors, who are well-versed in behavioral **neuroscience**.

resilient

adj. able to withstand or recover quickly from difficult conditions

synonym : robust, sturdy, tough

(1) a hard and **resilient** steel, (2) **resilient** population

She is a **resilient** person and has always bounced back from setbacks.

irrelevant

adj. not connected with or related to something and therefore not important

synonym : unrelated, immaterial, extrinsic

(1) an **irrelevant** thought, (2) do something **irrelevant**

They removed **irrelevant** content from the slides.

irony

n. the expression of one's meaning by using language that usually signifies the opposite, typically for humorous or rhetorical effect

synonym : sarcasm, cynicism, wit

(1) bitter **irony**, (2) **irony** humor

The **irony** of the situation is that he won the lottery on the day he lost his job.

specifically

adv. only associated with or meant for one thing

synonym : especially, particularly, notably

(1) designed **specifically** for men, (2) for **specifically** American customers

This ad campaign is aimed **specifically** at young women.

strategy

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

synonym : approach, procedure, scenario

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

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

incorporate

v. to include something as a part of a larger entity

synonym : contain, integrate, amalgamate

(1) **incorporate** the current trends, (2) **incorporate**

technology into daily life

We will attempt to **incorporate** some of your suggestions into our future strategy.

restructure

v. to organize a company, business, or system in a new and different way to make it work more effectively

synonym: reorganize, revamp, reconstruct

(1) **restructure** sentence, (2) **restructure** my debts

The economic downturn made it necessary to **restructure** the business.

disability

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

synonym: impairment, disadvantage, restriction

(1) a **disability** pension, (2) a learning **disability**

Listening to music at a high volume may lead to a hearing **disability**.

amazing

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

synonym: exceptional, extraordinary, wonderful

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

The golfer recorded an **amazing** distance.

trauma

n. an emotional wound or shock often has long-lasting effects caused by a highly upsetting or shocking experience

synonym: agony, injury, ordeal

(1) psychic **trauma**, (2) **trauma** care

Many civilians have suffered **trauma** as a result of the war.

hormone

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

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

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

radiation

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

synonym : dissemination, emission, irradiation

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

mask

v. to conceal something; (noun) a covering that you wear over your face to hide it

synonym : disguise, camouflage, conceal

(1) **mask** body odor, (2) an oxygen **mask**
The politician tried to **mask** the corruption.

resident

n. a person who lives in a particular place or has their home in a place

synonym : dweller, inhabitant, inhabitant

(1) a **resident** of the city, (2) **resident** tax
Visa renewal for **resident** foreigners in this country is once every five years.

operative

n. a person engaged in or associated with operational work, especially one who performs labor for wages; a person actively involved in a particular field or pursuit; (adjective) functioning or working effectively; engaged in or involved with a particular activity or enterprise

synonym : worker, agent, performer

(1) undercover **operative**, (2) **operative** procedure
The surgeon needed a skilled **operative** to assist during the operation.

sob

v. to cry or weep with short, sudden sounds

synonym : cry, weep, wail

(1) **sob** out a story, (2) **sob** quietly
She **sobbed** uncontrollably after hearing the news.

grateful

adj. feeling or showing an appreciation of kindness; thankful
synonym : thankful, appreciative, indebted

(1) a **grateful** breeze, (2) put a **grateful** expression
She was **grateful** for the help he provided.

neurosurgeon

n. a medical doctor who specializes in the surgical treatment of conditions affecting the nervous system, including the brain, spinal cord, and peripheral nerves

synonym : brain surgeon, neurologist, surgical specialist

(1) skilled **neurosurgeon**, (2) leading **neurosurgeon**

The hospital recruited experienced **neurosurgeons** worldwide to treat complex neurological disorders comprehensively.

immense

adj. extremely large or great

synonym : enormous, giant, huge

(1) **immense** amount, (2) **immense** pressure

He left his wife an **immense** fortune.

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.

medical

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

synonym : health, disease, treatment

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

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

drown

v. to die or cause to die by being unable to breathe underwater

synonym : douse, drench, overwhelm

(1) **drown** in a bath, (2) I was **drowned** in work

Floods have the potential to **drown** any subsurface animals

easily.

neurological

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

synonym : nervous, neural, brain-related

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

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

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.

depression

n. a mental condition in which a person feels very unhappy and without hope for the future; a severe recession in an economy or market

synonym : recession, slump, despair

(1) the Great **Depression**, (2) the root problem of her **depression**

Depression symptoms might include a decrease in appetite and weight loss.

relation

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

synonym : association, linkage, connection

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

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

emotion

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

synonym : feeling, sentiment, passion

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

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

MRI *n.* (abbreviation for magnetic resonance imaging) a medical imaging technique that uses a strong magnetic field and radio waves to produce detailed images of the inside of the body
(1) **MRI** brain image, (2) cardiac **MRI**
The **MRI** machine uses powerful magnets to produce detailed images of the inside of the body.

pathway *n.* a track that constitutes or serves as a path; an approach or a way of doing something
synonym: route, footpath, trail
(1) **pathway** to understanding, (2) cellular signaling **pathways**
When the first molecule in the **pathway** receives a signal, it activates other molecules.

medial *adj.* referencing or situated in the middle of something; pertaining to or located near the axis of the body
synonym: central, intermediate, midmost
(1) **medial** thigh, (2) **medial** approach
The **medial** side of the knee is prone to injury in certain sports like soccer and basketball.

prefrontal *adj.* in or about the foremost part of the frontal lobe of the brain
(1) **prefrontal** bone, (2) **prefrontal** region
Research shows that damage to the **prefrontal** cortex leads to increased aggression.

cortex *n.* the outermost layer of an organ, especially the brain
(1) **cortex** cells, (2) visual **cortex** neuron
The cerebral **cortex** consists of six layers.

associate

v. to mentally connect someone or something with someone or something else

synonym: tie in, link, consociate

(1) **associate** alcohol with gambling, (2) **associate** with people widely

The majority of consumers **associate** this brand with quality.

negative

adj. having the quality of something bad or harmful; expressing refusal

synonym: minus, adverse, pessimistic

(1) have a **negative** effect, (2) a **negative** number

The movie has received almost universally **negative** criticism.

neurotransmitter

n. a chemical that carries nerve impulses between neurons or between neurons and muscles

(1) **neurotransmitter** receptor, (2) **neurotransmitters** released from the brain

Endorphins are a type of **neurotransmitter** that gives a sense of well-being.

combine

v. to join or merge to form a single thing or group

synonym: coalesce, cohere, blend

(1) **combine** chemically with another substance, (2) **combine** augmented reality

Hydrogen and oxygen **combine** to form water.

neural

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

synonym: sensory, neuronic, nervous

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

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

cognitive

adj. of or relating to mental processes of understanding

synonym: perceivable, mind, mental

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

psychology

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

circumstance

n. the specific conditions or events that surround a particular situation or occurrence

synonym: condition, context, environment

(1) **circumstance** of birth, (2) **circumstance** of injury

She explained the **circumstances** surrounding the accident.

intentionally

adv. in a planned or intended way

synonym: knowingly, calculatedly, deliberately

(1) she hit him **intentionally**, (2) She **intentionally** spread misleading information.

She would never **intentionally** hurt anyone.

circuit

n. (in electrical engineering) an electrical device that provides a path for electrical current to flow; a journey or route around a particular place or area

synonym: route, course, rotation

(1) **circuit** breaker, (2) federal **circuit** courts

An intelligent battery has a voltage monitoring **circuit**.

stimulate

v. to encourage something to develop or become more active; to stir the feelings or emotions

synonym: excite, provoke, arouse

(1) **stimulate** the economy, (2) **stimulate** the nervous system

The book **stimulated** my imagination.

neuroplasticity

n. the ability of the brain to change and reorganize itself in response to new experiences, learning, or injury, by creating new neural connections and pathways

synonym: brain plasticity, neural remodeling, synaptic plasticity

(1) **neuroplasticity** therapy, (2) experience-dependent **neuroplasticity**

Researchers are currently studying the potential of **neuroplasticity** to treat conditions such as depression and anxiety.

hero

n. a person who is admired or idealized for courage, outstanding achievements, or noble qualities; a character in literature or history who is central to the plot and who exhibits heroic qualities

synonym : champion, protagonist, savior

(1) local **hero**, (2) unsung **hero**

The soldier who sacrificed his life for his country is considered a national **hero**.

nurse

n. a healthcare professional who is trained to provide care for the sick or injured; (verb) to try to cure by special care or treatment of an illness or injury

synonym : healthcare worker, caregiver, medic

(1) **nurse** practitioner, (2) a volunteer **nurse**

The night shift **nurse** checked my vital signs before administering the medication.

anesthesiologist

n. a medical doctor who specializes in administering anesthesia to help control pain and monitor the vital signs of patients during procedures and surgeries

synonym : anesthetist, pain specialist, sedationist

(1) specialized **anesthesiologist**, (2) clinical **anesthesiologist**

The experienced **anesthesiologist** monitored the patient's vital signs throughout the procedure.

therapy

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

synonym : antidote, medicine, treatment

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

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

playlist

n. a curated list of songs or audio recordings that can be played in a specific order or shuffled randomly, often created for a specific purpose or event

synonym: tracklist, music list

(1) personal **playlist**, (2) curated **playlist**

I created a **playlist** of my favorite songs for my road trip.

treatment

n. the way in which someone deals with or behaves towards someone or something; medical care provided to a patient for an injury or illness.

synonym: remedy, antidote, medicine

(1) first-aid **treatment**, (2) **treatment** by diet

The primary purpose of the **treatment** is pain relief.

administer

v. to oversee and control the operation or arrangement of something

synonym: allocate, distribute, dispense

(1) **administer** justice, (2) **administer** the funds

After the accident, three governmental bodies **administer** the company.

multidisciplinary

adj. integrating or involving various academic fields or different skills in a topic or problem-solving approach

synonym: integrative, interdisciplinary

(1) **multidisciplinary** project, (2) **multidisciplinary** analysis

He adopted a **multidisciplinary** research approach to unravel complex phenomena.

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.

intelligent

adj. having the capacity for thought and reason, especially to a high degree

synonym : brilliant, clever, competent

(1) an **intelligent** person, (2) **intelligent** assisting system
Intelligent robots that can cooperate with humans have limited motor output for safety.

brave

adj. showing courage or fearlessness in the face of danger, difficulty, or adversity

synonym : courageous, valiant, heroic

(1) **brave** soldier, (2) **brave** decision

The **brave** firefighter rescued the family from the burning building.

opposition

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

synonym : resistance, hostility, antagonism

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

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

universe

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

synonym : cosmos, macrocosm

(1) theory of the **universe**, (2) expansion of the **universe**

The **universe** is about 13.8 billion years old.

instruct

v. to teach someone practical skills or knowledge; to formally order or tell someone to do something

synonym : train, coach, guide

(1) **instruct** a student, (2) **instruct** a computer

The facility manager **instructed** the security guards to be on high alert.

awareness

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

synonym : understanding, cognition, knowledge

(1) **awareness** of my ignorance, (2) raise public **awareness**
There has been a gradual but steady rise in environmental **awareness**.

regard

v. to think about or consider somebody or something in a specified way

synonym: consider, see, reckon

(1) **regard** him as an enemy, (2) **regard** the situation as unfortunate

Frugality and industry are still **regarded** as virtues.

predict

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

synonym: forecast, anticipate, foresee

(1) **predict** the future, (2) **predict** when she will arrive

It's notoriously challenging to **predict** birth rates.

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.

dismiss

v. to regard something or someone as not important and not worth considering; to terminate someone's employment

synonym: decline, disband, dissolve

(1) **dismiss** a person from the office, (2) **dismiss** a matter with a laugh

The committee has decided to **dismiss** the president from the post.

adversity

n. difficulties or hardships that someone faces

synonym: hardship, difficulty, trial

(1) environmental **adversity**, (2) struggling with **adversity**

The team demonstrated great resilience in the face of **adversity** and won the game.

conditional

adj. depending on a specific condition or circumstance;
imposed or subject to certain conditions or restrictions

synonym: contingent, dependent, provisional

(1) **conditional** offer, (2) **conditional** release

The **conditional** statement in the program tells the computer what to do next.

Session 2: Spelling

- | | |
|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. environmental ad_____ty | <i>n.</i> difficulties or hardships that someone faces |
| 2. me_____al chemistry | <i>adj.</i> of or relating to the treatment or cure of disease |
| 3. neu_____cal symptoms | <i>adj.</i> of or relating to the science of neurology or the nervous system |
| 4. in_____ct a computer | <i>v.</i> to teach someone practical skills or knowledge; to formally order or tell someone to do something |
| 5. the most am_____g feeling | <i>adj.</i> extremely surprising, especially in a way that you like or admire |
| 6. fever with neu_____cal signs | <i>adj.</i> of or relating to the science of neurology or the nervous system |
| 7. cir_____nce of injury | <i>n.</i> the specific conditions or events that surround a particular situation or occurrence |
| 8. opp_____on campaign | <i>n.</i> the act of disagreeing or resisting; the state of strong disagreement |
| 9. a hard and re_____nt steel | <i>adj.</i> able to withstand or recover quickly from difficult conditions |
| 10. st_____le to get the job | <i>v.</i> to make a great effort to do something when it is difficult, or there are a lot of problems; to use force or violence to break away from restraint or constriction |
| 11. the Great Dep_____on | <i>n.</i> a mental condition in which a person feels very unhappy and without hope for the future; a severe recession in an economy or market |

ANSWERS: 1. adversity, 2. medicinal, 3. neurological, 4. instruct, 5. amazing, 6. neurological, 7. circumstance, 8. opposition, 9. resilient, 10. struggle, 11. depression

- | | | |
|-------------------------------------------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| 12. as_____te with people widely | <i>v.</i> | to mentally connect someone or something with someone or something else |
| 13. d__p liquid | <i>v.</i> | to fall in drops or make it fall in drops;
(noun) liquid or moisture that falls in drops |
| 14. ne_____gy department | <i>n.</i> | the branch of medicine that deals with the diagnosis and treatment of disorders of the nervous system |
| 15. psychic tr___a | <i>n.</i> | an emotional wound or shock often has long-lasting effects caused by a highly upsetting or shocking experience |
| 16. g__d student | <i>n.</i> | (informal for graduate) a student who has recently graduated or is about to graduate from a school, college, or university |
| 17. the wel_____ng of a nation | <i>n.</i> | the state of being happy and healthy and prosperous |
| 18. theory of the un_____se | <i>n.</i> | everything that exists, especially all physical matter, including planets, stars, galaxies, and all other forms of matter and energy |
| 19. em_____r the secretary to do the same | <i>v.</i> | to give someone the power or authority to do something |
| 20. feelings of gr_____de | <i>n.</i> | the quality of being thankful; readiness to show appreciation for and to return kindness |
| 21. specialized ane_____ist | <i>n.</i> | a medical doctor who specializes in administering anesthesia to help control pain and monitor the vital signs of patients during procedures and surgeries |

ANSWERS: 12. associate, 13. drip, 14. neurology, 15. trauma, 16. grad, 17. well-being, 18. universe, 19. empower, 20. gratitude, 21. anesthesiologist

22. inv_____te the matter *v.* to conduct a systematic or formal inquiry to identify and evaluate the facts of a crime, problem, statement, etc. to establish the truth
23. ast_____ma tumor *n.* a type of brain tumor that develops from abnormal glial cells called astrocytes
24. tactics on the bat_____ld *n.* a place where a battle or conflict is fought
25. pr_____t the future *v.* to state beforehand that something will happen in the future, mainly based on knowledge or experience
26. undercover op_____ve *n.* a person engaged in or associated with operational work, especially one who performs labor for wages; a person actively involved in a particular field or pursuit; (adjective) functioning or working effectively; engaged in or involved with a particular activity or enterprise
27. b__r image *n.* a faint or indistinct image or sound; something that is not clear or distinct; (verb) to become unclear; to lose clear vision
28. a dental cl____c *n.* a building or hospital department where people can go for medical care or advice, especially of a particular condition
29. re_____on of inclusion *n.* the way two persons or groups of people feel and act toward one another
30. kin_____ten class *n.* a school or class for young children, usually between the ages of four and six

ANSWERS: 22. investigate, 23. astrocytoma, 24. battlefield, 25. predict, 26. operative, 27. blur, 28. clinic, 29. relation, 30. kindergarten

31. leading neu_____eon *n.* a medical doctor who specializes in the surgical treatment of conditions affecting the nervous system, including the brain, spinal cord, and peripheral nerves
32. inc_____te technology into daily life *v.* to include something as a part of a larger entity
33. me___l approach *adj.* referencing or situated in the middle of something; pertaining to or located near the axis of the body
34. sc___d all the time *adj.* afraid or frightened
35. re__r to a book *v.* to direct someone's attention, thoughts, or questions to another source or person; to mention, cite, or allude to something as evidence or support
36. visual im_____y *n.* the use of words or pictures in books, photographs, paintings, etc., that produces pictures in the minds of people; the ability to form mental images of things or events
37. ana_____ic astrocytoma *adj.* exhibiting a lack of normal differentiation or structure, usually referring to cancer cells that are undifferentiated and rapidly growing
38. the root problem of her dep_____on *n.* a mental condition in which a person feels very unhappy and without hope for the future; a severe recession in an economy or market
39. the branch of neu_____nce *n.* the scientific study of the function, structure, and disorder of the brain and the nervous system

ANSWERS: 31. neurosurgeon, 32. incorporate, 33. medial, 34. scared, 35. refer, 36. imagery, 37. anaplastic, 38. depression, 39. neuroscience

40. ch__o patient *n.* short for chemotherapy, a treatment for cancer that uses drugs to destroy cancer cells
41. th___e in a society *v.* to grow vigorously; to make steady progress
42. co____al swimming pool *adj.* belonging to or used by a group rather than individuals; for common use
43. product int_____ory sale *adj.* intended as an introduction or preliminary; serving as a base or starting point
44. an une_____ed visitor *adj.* not anticipated or regarded as likely to happen
45. pre_____al bone *adj.* in or about the foremost part of the frontal lobe of the brain
46. co_____e chemically with another substance *v.* to join or merge to form a single thing or group
47. visual co___x neuron *n.* the outermost layer of an organ, especially the brain
48. bur_____me task *adj.* causing a heavy burden or load, physically or mentally taxing; difficult to bear or manage
49. basic br__n function *n.* the organ inside the head that is responsible for one's movement, thought, memory, and feeling
50. im_____e amount *adj.* extremely large or great
51. experience-dependent neu_____ity *n.* the ability of the brain to change and reorganize itself in response to new experiences, learning, or injury, by creating new neural connections and pathways

ANSWERS: 40. chemo, 41. thrive, 42. communal, 43. introductory, 44. unexpected, 45. prefrontal, 46. combine, 47. cortex, 48. burdensome, 49. brain, 50. immense, 51. neuroplasticity

52. tr___a care *n.* an emotional wound or shock often has long-lasting effects caused by a highly upsetting or shocking experience
53. di____s a matter with a laugh *v.* to regard something or someone as not important and not worth considering; to terminate someone's employment
54. aw_____ss of my ignorance *n.* the fact or state of knowing something exists and is important
55. de___e on a course of action *v.* to make up someone's mind about something; to come to a conclusion or judgment after considering options
56. adm_____er justice *v.* to oversee and control the operation or arrangement of something
57. personal pl_____st *n.* a curated list of songs or audio recordings that can be played in a specific order or shuffled randomly, often created for a specific purpose or event
58. muscular st_____th *n.* the quality or state of being physically, or sometimes mentally, strong
59. with ea__r eyes *adj.* showing enthusiasm and a strong desire or interest to do something
60. trending ha_____g *n.* a word or phrase preceded by the symbol #, used on social media websites and applications to identify messages on a specific topic
61. bur_____me load *adj.* causing a heavy burden or load, physically or mentally taxing; difficult to bear or manage

ANSWERS: 52. trauma, 53. dismiss, 54. awareness, 55. decide, 56. administer, 57. playlist, 58. strength, 59. eager, 60. hashtag, 61. burdensome

62. control my em____n *n.* a strong feeling such as love, anger, etc. deriving from one's situation, mood, or relationships with others
63. noun ph____e *n.* a group of words that mean something specific when used together
64. con____al release *adj.* depending on a specific condition or circumstance; imposed or subject to certain conditions or restrictions
65. bat____ld casualties *n.* a place where a battle or conflict is fought
66. a dis____ty pension *n.* a physical or mental condition that makes it difficult for someone to do some things that other people do
67. I was dr__ned in work *v.* to die or cause to die by being unable to breathe underwater
68. a learning dis____ty *n.* a physical or mental condition that makes it difficult for someone to do some things that other people do
69. th____y for a patient *n.* the act of caring for someone through medication, remedial training, etc.
70. for spe____lly American customers *adv.* only associated with or meant for one thing
71. a ri____l dance *n.* any customary observance or practice; any prescribed procedure for conducting religious ceremonies
72. ex____t a topic *n.* the system in a vehicle that removes waste gases from the engine; (verb) to make someone completely tired

ANSWERS: 62. emotion, 63. phrase, 64. conditional, 65. battlefield, 66. disability, 67. drown, 68. disability, 69. therapy, 70. specifically, 71. ritual, 72. exhaust

73. a debt of gr_____de
n. the quality of being thankful; readiness to show appreciation for and to return kindness
74. ne___l networks in AI
adj. of or relating to a nerve or the nervous system that includes the brain
75. an aw___l error
adj. causing fear, dread, or terror; very bad or unpleasant
76. id_____ty as an individual
n. the fact of being who or what somebody or something is; the features, emotions, or ideas that distinguish persons from one another
77. co_____e augmented reality
v. to join or merge to form a single thing or group
78. cerebral hem_____re
n. half of the terrestrial globe; half of a sphere
79. n___b with cold
adj. unable to feel physical sensation and movement; not showing human feeling or sensitivity
80. as_____te alcohol with gambling
v. to mentally connect someone or something with someone or something else
81. ex_____t pipe
n. the system in a vehicle that removes waste gases from the engine; (verb) to make someone completely tired
82. 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
83. sc___d dog
adj. afraid or frightened

ANSWERS: 73. gratitude, 74. neural, 75. awful, 76. identity, 77. combine, 78. hemisphere, 79. numb, 80. associate, 81. exhaust, 82. lift, 83. scared

84. marked with a ha____g *n.* a word or phrase preceded by the symbol #, used on social media websites and applications to identify messages on a specific topic
85. ho____e secretion *n.* a chemical substance made by organs that encourages or influences the development, growth, sex, etc., of an animal and is carried around the body in the blood
86. op____ve procedure *n.* a person engaged in or associated with operational work, especially one who performs labor for wages; a person actively involved in a particular field or pursuit; (adjective) functioning or working effectively; engaged in or involved with a particular activity or enterprise
87. northern hem____re *n.* half of the terrestrial globe; half of a sphere
88. an int____nt person *adj.* having the capacity for thought and reason, especially to a high degree
89. chant the ma____a of structural reform *n.* a word or phrase, often repeated, that is used as a focus for the mind during meditation
90. re____on between cause and effect *n.* the way two persons or groups of people feel and act toward one another
91. afraid to show em____n *n.* a strong feeling such as love, anger, etc. deriving from one's situation, mood, or relationships with others
92. bitter ir__y *n.* the expression of one's meaning by using language that usually signifies the opposite, typically for humorous or rhetorical effect

ANSWERS: 84. hashtag, 85. hormone, 86. operative, 87. hemisphere, 88. intelligent, 89. mantra, 90. relation, 91. emotion, 92. irony

93. mul_____ary analysis *adj.* integrating or involving various academic fields or different skills in a topic or problem-solving approach
94. put a gr_____ul expression *adj.* feeling or showing an appreciation of kindness; thankful
95. des_____ly anxious *adv.* in a way that shows a lack of hope and a willingness to do anything because of the problematic situation; with great urgency
96. nu__e practitioner *n.* a healthcare professional who is trained to provide care for the sick or injured; (verb) to try to cure by special care or treatment of an illness or injury
97. t_p keyboard with an index finger *v.* to hit someone or something quickly, gently, and often repeatedly; to use existing resources, such as energy, knowledge, etc.
98. first-aid tr_____nt *n.* the way in which someone deals with or behaves towards someone or something; medical care provided to a patient for an injury or illness.
99. had a di__y spell *adj.* having or causing a whirling sensation and not able to keep balance
100. dr__n in a bath *v.* to die or cause to die by being unable to breathe underwater
101. con_____al offer *adj.* depending on a specific condition or circumstance; imposed or subject to certain conditions or restrictions
102. campaign ma___a *n.* a word or phrase, often repeated, that is used as a focus for the mind during meditation

ANSWERS: 93. multidisciplinary, 94. grateful, 95. desperately, 96. nurse, 97. tap, 98. treatment, 99. dizzy, 100. drown, 101. conditional, 102. mantra

103. curated pl_____st *n.* a curated list of songs or audio recordings that can be played in a specific order or shuffled randomly, often created for a specific purpose or event
104. psy_____gy experiment *n.* the scientific study of mind and behavior
105. a prodigious vi___n *n.* the ability to think about or see the future with imagination and intelligence; the faculty of being able to see
106. 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
107. neu_____ter receptor *n.* a chemical that carries nerve impulses between neurons or between neurons and muscles
108. a private ind_____al *n.* a single person or thing, as distinct from a group
109. int_____nt assisting system *adj.* having the capacity for thought and reason, especially to a high degree
110. d__p from the vicious wound *v.* to fall in drops or make it fall in drops; (noun) liquid or moisture that falls in drops
111. tu__r growth *n.* a mass of diseased tissue that forms when cells in the body divide and grow in an uncontrolled way
112. cir_____nce of birth *n.* the specific conditions or events that surround a particular situation or occurrence

ANSWERS: 103. playlist, 104. psychology, 105. vision, 106. clinic, 107. neurotransmitter, 108. individual, 109. intelligent, 110. drip, 111. tumor, 112. circumstance

113. di____se the problem *v.* to determine or distinguish the nature of a problem or an illness through a careful analysis
114. M_l brain image *n.* (abbreviation for magnetic resonance imaging) a medical imaging technique that uses a strong magnetic field and radio waves to produce detailed images of the inside of the body
115. a volunteer nu__e *n.* a healthcare professional who is trained to provide care for the sick or injured; (verb) to try to cure by special care or treatment of an illness or injury
116. s_b quietly *v.* to cry or weep with short, sudden sounds
117. meet with opp____on *n.* the act of disagreeing or resisting; the state of strong disagreement
118. mistaken id____ty *n.* the fact of being who or what somebody or something is; the features, emotions, or ideas that distinguish persons from one another
119. high school g__d *n.* (informal for graduate) a student who has recently graduated or is about to graduate from a school, college, or university
120. ch__o-radiotherapy *n.* short for chemotherapy, a treatment for cancer that uses drugs to destroy cancer cells
121. an oxygen m__k *v.* to conceal something; (noun) a covering that you wear over your face to hide it

ANSWERS: 113. diagnose, 114. MRI, 115. nurse, 116. sob, 117. opposition, 118. identity, 119. grad, 120. chemo, 121. mask

122. st_____te the nervous system *v.* to encourage something to develop or become more active; to stir the feelings or emotions
123. di_____se with CT scans *v.* to determine or distinguish the nature of a problem or an illness through a careful analysis
124. unsung h__o *n.* a person who is admired or idealized for courage, outstanding achievements, or noble qualities; a character in literature or history who is central to the plot and who exhibits heroic qualities
125. raise public aw_____ss *n.* the fact or state of knowing something exists and is important
126. ready-made ph___es *n.* a group of words that mean something specific when used together
127. temporary me_____l treatment *adj.* relating to the treatment of illness or injuries; relating to the practice of medicine
128. cognitive ne_____gy *n.* the branch of medicine that deals with the diagnosis and treatment of disorders of the nervous system
129. clinical ane_____ist *n.* a medical doctor who specializes in administering anesthesia to help control pain and monitor the vital signs of patients during procedures and surgeries
130. mul_____ary project *adj.* integrating or involving various academic fields or different skills in a topic or problem-solving approach

ANSWERS: 122. stimulate, 123. diagnose, 124. hero, 125. awareness, 126. phrase, 127. medical, 128. neurology, 129. anesthesiologist, 130. multidisciplinary

131. do something irr_____nt	<i>adj.</i> not connected with or related to something and therefore not important
132. a n__b mind	<i>adj.</i> unable to feel physical sensation and movement; not showing human feeling or sensitivity
133. telescopic vi____n	<i>n.</i> the ability to think about or see the future with imagination and intelligence; the faculty of being able to see
134. develop a st_____gy	<i>n.</i> a detailed plan of action designed to achieve a long-term or overall goal.
135. pa_____y to understanding	<i>n.</i> a track that constitutes or serves as a path; an approach or a way of doing something
136. re__r to a map	<i>v.</i> to direct someone's attention, thoughts, or questions to another source or person; to mention, cite, or allude to something as evidence or support
137. re____d him as an enemy	<i>v.</i> to think about or consider somebody or something in a specified way
138. benign pa_____gy	<i>n.</i> the study of the nature and cause of diseases and disorders; the medical specialty that deals with the diagnosis and treatment of diseases and disorders
139. a sense of wel_____ng	<i>n.</i> the state of being happy and healthy and prosperous
140. im_____e pressure	<i>adj.</i> extremely large or great
141. personal na_____ve	<i>n.</i> a story or a description of a series of events or process of telling a story

ANSWERS: 131. irrelevant, 132. numb, 133. vision, 134. strategy, 135. pathway, 136. refer, 137. regard, 138. pathology, 139. well-being, 140. immense, 141. narrative

142. permanent br__n damage *n.* the organ inside the head that is responsible for one's movement, thought, memory, and feeling
143. re___d the situation as unfortunate *v.* to think about or consider somebody or something in a specified way
144. tr_____nt by diet *n.* the way in which someone deals with or behaves towards someone or something; medical care provided to a patient for an injury or illness.
145. adm_____er the funds *v.* to oversee and control the operation or arrangement of something
146. 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
147. a theoretical concept in neu_____nce *n.* the scientific study of the function, structure, and disorder of the brain and the nervous system
148. ne___l stem cells *adj.* of or relating to a nerve or the nervous system that includes the brain
149. em_____r my life *v.* to give someone the power or authority to do something
150. a me_____l opinion *adj.* relating to the treatment of illness or injuries; relating to the practice of medicine
151. suffer from mi_____ne *n.* a severe headache typically felt as a throbbing pain on one side of the head
152. br__e decision *adj.* showing courage or fearlessness in the face of danger, difficulty, or adversity

ANSWERS: 142. brain, 143. regard, 144. treatment, 145. administer, 146. cancer, 147. neuroscience, 148. neural, 149. empower, 150. medical, 151. migraine, 152. brave

153. a re_____nt of the city *n.* a person who lives in a particular place or has their home in a place
154. in_____ct a student *v.* to teach someone practical skills or knowledge; to formally order or tell someone to do something
155. me____l thigh *adj.* referencing or situated in the middle of something; pertaining to or located near the axis of the body
156. de____e a question *v.* to make up someone's mind about something; to come to a conclusion or judgment after considering options
157. morning ri____l *n.* any customary observance or practice; any prescribed procedure for conducting religious ceremonies
158. an irr_____nt thought *adj.* not connected with or related to something and therefore not important
159. res_____re sentence *v.* to organize a company, business, or system in a new and different way to make it work more effectively
160. na_____ve poetry *n.* a story or a description of a series of events or process of telling a story
161. She int_____lly spread misleading information. *adv.* in a planned or intended way
162. do aw__l damage *adj.* causing fear, dread, or terror; very bad or unpleasant
163. m__k body odor *v.* to conceal something; (noun) a covering that you wear over your face to hide it
164. exposure to ra_____on *n.* the energy that comes from a nuclear reaction in the form of rays, waves, or particles and that can be hazardous to health

ANSWERS: 153. resident, 154. instruct, 155. medial, 156. decide, 157. ritual, 158. irrelevant, 159. restructure, 160. narrative, 161. intentionally, 162. awful, 163. mask, 164. radiation

165. neu_____ity therapy *n.* the ability of the brain to change and reorganize itself in response to new experiences, learning, or injury, by creating new neural connections and pathways
166. some une_____ed events *adj.* not anticipated or regarded as likely to happen
167. pr_____t when she will arrive *v.* to state beforehand that something will happen in the future, mainly based on knowledge or experience
168. clinical pa_____gy *n.* the study of the nature and cause of diseases and disorders; the medical specialty that deals with the diagnosis and treatment of diseases and disorders
169. federal ci_____t courts *n.* (in electrical engineering) an electrical device that provides a path for electrical current to flow; a journey or route around a particular place or area
170. pre_____al region *adj.* in or about the foremost part of the frontal lobe of the brain
171. traditional me_____al *adj.* of or relating to the treatment or cure of disease
172. inv_____te a data leak *v.* to conduct a systematic or formal inquiry to identify and evaluate the facts of a crime, problem, statement, etc. to establish the truth
173. s_b out a story *v.* to cry or weep with short, sudden sounds

ANSWERS: 165. neuroplasticity, 166. unexpected, 167. predict, 168. pathology, 169. circuit, 170. prefrontal, 171. medicinal, 172. investigate, 173. sob

174. critical m__s *n.* a large amount of a substance with no definite shape or form; a large number of people or things grouped or crowded together
175. re_____nt tax *n.* a person who lives in a particular place or has their home in a place
176. an ab_____te must *adj.* perfect or complete or to the most considerable degree possible
177. the professor of su_____y *n.* medical treatment of injuries or diseases involving an incision with instruments and often removing or replacing some parts of the body; the branch of medical science that treats disease or injury by operative procedures
178. th___e on pressure *v.* to grow vigorously; to make steady progress
179. inc_____te the current trends *v.* to include something as a part of a larger entity
180. st_____le against discrimination *v.* to make a great effort to do something when it is difficult, or there are a lot of problems; to use force or violence to break away from restraint or constriction
181. field of gene th_____y *n.* the act of caring for someone through medication, remedial training, etc.
182. a m__s of molten rock *n.* a large amount of a substance with no definite shape or form; a large number of people or things grouped or crowded together

ANSWERS: 174. mass, 175. resident, 176. absolute, 177. surgery, 178. thrive, 179. incorporate, 180. struggle, 181. therapy, 182. mass

183. ir__y humor *n.* the expression of one's meaning by using language that usually signifies the opposite, typically for humorous or rhetorical effect
184. struggling with ad_____ty *n.* difficulties or hardships that someone faces
185. di_____s a person from the office *v.* to regard something or someone as not important and not worth considering; to terminate someone's employment
186. a ne_____ve number *adj.* having the quality of something bad or harmful; expressing refusal
187. a desirable ou_____e *n.* the result or effect of an action, event, etc.
188. re_____nt population *adj.* able to withstand or recover quickly from difficult conditions
189. engineering und_____ate *n.* a student who is studying for their first degree at a university or other higher education institution
190. ab_____te loyalty *adj.* perfect or complete or to the most considerable degree possible
191. neu_____ters released from the brain *n.* a chemical that carries nerve impulses between neurons or between neurons and muscles
192. cardiac M_I *n.* (abbreviation for magnetic resonance imaging) a medical imaging technique that uses a strong magnetic field and radio waves to produce detailed images of the inside of the body
193. res_____re my debts *v.* to organize a company, business, or system in a new and different way to make it work more effectively

ANSWERS: 183. irony, 184. adversity, 185. dismiss, 186. negative, 187. outcome, 188. resilient, 189. undergraduate, 190. absolute, 191. neurotransmitter, 192. MRI, 193. restructure

194. 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
195. st____th of the economy *n.* the quality or state of being physically, or sometimes mentally, strong
196. t_p a new market *v.* to hit someone or something quickly, gently, and often repeatedly; to use existing resources, such as energy, knowledge, etc.
197. ind_____al freedom *n.* a single person or thing, as distinct from a group
198. br__e soldier *adj.* showing courage or fearlessness in the face of danger, difficulty, or adversity
199. cardiac su_____y *n.* medical treatment of injuries or diseases involving an incision with instruments and often removing or replacing some parts of the body; the branch of medical science that treats disease or injury by operative procedures
200. ana_____ic gliomas *adj.* exhibiting a lack of normal differentiation or structure, usually referring to cancer cells that are undifferentiated and rapidly growing
201. cellular signaling pa_____ys *n.* a track that constitutes or serves as a path; an approach or a way of doing something
202. mi_____ne attack *n.* a severe headache typically felt as a throbbing pain on one side of the head

ANSWERS: 194. lift, 195. strength, 196. tap, 197. individual, 198. brave, 199. surgery, 200. anaplastic, 201. pathway, 202. migraine

203. psy_____gy of crowd *n.* the scientific study of mind and behavior
204. high-grade ast_____ma *n.* a type of brain tumor that develops from abnormal glial cells called astrocytes
205. satellite im_____y *n.* the use of words or pictures in books, photographs, paintings, etc., that produces pictures in the minds of people; the ability to form mental images of things or events
206. female ho_____e *n.* a chemical substance made by organs that encourages or influences the development, growth, sex, etc., of an animal and is carried around the body in the blood
207. ci_____t breaker *n.* (in electrical engineering) an electrical device that provides a path for electrical current to flow; a journey or route around a particular place or area
208. local h__o *n.* a person who is admired or idealized for courage, outstanding achievements, or noble qualities; a character in literature or history who is central to the plot and who exhibits heroic qualities
209. a gr_____ul breeze *adj.* feeling or showing an appreciation of kindness; thankful
210. co___x cells *n.* the outermost layer of an organ, especially the brain
211. electromagnetic ra_____on *n.* the energy that comes from a nuclear reaction in the form of rays, waves, or particles and that can be hazardous to health

ANSWERS: 203. psychology, 204. astrocytoma, 205. imagery, 206. hormone, 207. circuit, 208. hero, 209. grateful, 210. cortex, 211. radiation

212. 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
213. improve co_____ve function *adj.* of or relating to mental processes of understanding
214. co_____al combination of funds *adj.* belonging to or used by a group rather than individuals; for common use
215. expansion of the un_____se *n.* everything that exists, especially all physical matter, including planets, stars, galaxies, and all other forms of matter and energy
216. st_____te the economy *v.* to encourage something to develop or become more active; to stir the feelings or emotions
217. designed spe_____lly for men *adv.* only associated with or meant for one thing
218. int_____ory biology text *adj.* intended as an introduction or preliminary; serving as a base or starting point
219. military st_____gy *n.* a detailed plan of action designed to achieve a long-term or overall goal.
220. tu__r at remote sites *n.* a mass of diseased tissue that forms when cells in the body divide and grow in an uncontrolled way
221. am_____g advances *adj.* extremely surprising, especially in a way that you like or admire
222. des_____ly ill patient *adv.* in a way that shows a lack of hope and a willingness to do anything because of the problematic situation; with great urgency

ANSWERS: 212. cancer, 213. cognitive, 214. communal, 215. universe, 216. stimulate, 217. specifically, 218. introductory, 219. strategy, 220. tumor, 221. amazing, 222. desperately

223. research on co_____ve psychology *adj.* of or relating to mental processes of understanding
224. have a ne_____ve effect *adj.* having the quality of something bad or harmful; expressing refusal
225. feel di__y *adj.* having or causing a whirling sensation and not able to keep balance
226. improved student ou_____es *n.* the result or effect of an action, event, etc.
227. kin_____ten teacher *n.* a school or class for young children, usually between the ages of four and six
228. she hit him int_____lly *adv.* in a planned or intended way
229. motion b__r *n.* a faint or indistinct image or sound; something that is not clear or distinct; (verb) to become unclear; to lose clear vision
230. skilled neu_____eon *n.* a medical doctor who specializes in the surgical treatment of conditions affecting the nervous system, including the brain, spinal cord, and peripheral nerves
231. und_____ate course *n.* a student who is studying for their first degree at a university or other higher education institution
232. ea__r anticipation *adj.* showing enthusiasm and a strong desire or interest to do something

ANSWERS: 223. cognitive, 224. negative, 225. dizzy, 226. outcome, 227. kindergarten, 228. intentionally, 229. blur, 230. neurosurgeon, 231. undergraduate, 232. eager

Session 3: Fill in the Blanks

1. Please _____ to the instruction manual for further assistance.
v. to direct someone's attention, thoughts, or questions to another source or person; to mention, cite, or allude to something as evidence or support
2. The camera's focus was off, and the image was a _____ of colors and shapes.
n. a faint or indistinct image or sound; something that is not clear or distinct; (verb) to become unclear; to lose clear vision
3. He left his wife an _____ fortune.
adj. extremely large or great
4. _____ elections were held in several European countries.
adj. belonging to or used by a group rather than individuals; for common use
5. The _____ report showed no signs of cancer, giving her family a sense of relief.
n. the study of the nature and cause of diseases and disorders; the medical specialty that deals with the diagnosis and treatment of diseases and disorders
6. The golfer recorded an _____ distance.
adj. extremely surprising, especially in a way that you like or admire
7. The night shift _____ checked my vital signs before administering the medication.
n. a healthcare professional who is trained to provide care for the sick or injured; (verb) to try to cure by special care or treatment of an illness or injury

ANSWERS: 1. refer, 2. blur, 3. immense, 4. Communal, 5. pathology, 6. amazing, 7. nurse

8. The _____ side of the knee is prone to injury in certain sports like soccer and basketball.
adj. referencing or situated in the middle of something; pertaining to or located near the axis of the body
9. Water is _____ from the faucet.
v. to fall in drops or make it fall in drops; (noun) liquid or moisture that falls in drops
10. She gets _____ whenever she's under a lot of stress.
n. a severe headache typically felt as a throbbing pain on one side of the head
11. The _____ class was designed to give students a basic understanding of the subject.
adj. intended as an introduction or preliminary; serving as a base or starting point
12. The doctor diagnosed me with a _____ disorder.
n. a chemical substance made by organs that encourages or influences the development, growth, sex, etc., of an animal and is carried around the body in the blood
13. _____ symptoms might include a decrease in appetite and weight loss.
n. a mental condition in which a person feels very unhappy and without hope for the future; a severe recession in an economy or market
14. _____ robots that can cooperate with humans have limited motor output for safety.
adj. having the capacity for thought and reason, especially to a high degree
15. The patient was diagnosed with a _____ disorder affecting their motor skills.
adj. of or relating to the science of neurology or the nervous system

ANSWERS: 8. medial, 9. dripping, 10. migraines, 11. introductory, 12. hormone, 13. Depression, 14. Intelligent, 15. neurological

16. The baby clung _____ to her mother.

adv. in a way that shows a lack of hope and a willingness to do anything because of the problematic situation; with great urgency

17. Frugality and industry are still _____ as virtues.

v. to think about or consider somebody or something in a specified way

18. He adopted a _____ research approach to unravel complex phenomena.

adj. integrating or involving various academic fields or different skills in a topic or problem-solving approach

19. She had a master's degree in _____.

n. the scientific study of mind and behavior

20. The soldier who sacrificed his life for his country is considered a national _____.

n. a person who is admired or idealized for courage, outstanding achievements, or noble qualities; a character in literature or history who is central to the plot and who exhibits heroic qualities

21. 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

22. She would never _____ hurt anyone.

adv. in a planned or intended way

23. 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

ANSWERS: 16. desperately, 17. regarded, 18. multidisciplinary, 19. psychology, 20. hero, 21. lifted, 22. intentionally, 23. clinic

24. The team demonstrated great resilience in the face of _____ and won the game.
n. difficulties or hardships that someone faces
25. I regretted making an _____ mistake in my final exam.
adj. causing fear, dread, or terror; very bad or unpleasant
26. We bought a Spanish _____ book.
n. a group of words that mean something specific when used together
27. An _____ tumor is a fast-growing and aggressive form of cancer.
adj. exhibiting a lack of normal differentiation or structure, usually referring to cancer cells that are undifferentiated and rapidly growing
28. We are responsible for the care and _____ of all our employees.
n. the state of being happy and healthy and prosperous
29. The side effects of _____ such as nausea and hair loss, were a major concern for the patient.
n. short for chemotherapy, a treatment for cancer that uses drugs to destroy cancer cells
30. The majority of consumers _____ this brand with quality.
v. to mentally connect someone or something with someone or something else
31. As an _____ he had the right to make his own decisions and live his life as he saw fit.
n. a single person or thing, as distinct from a group

ANSWERS: 24. adversity, 25. awful, 26. phrase, 27. anaplastic, 28. well-being, 29. chemo, 30. associate, 31. individual,

32. The children were _____ to start the treasure hunt.

adj. showing enthusiasm and a strong desire or interest to do something

33. We will attempt to _____ some of your suggestions into our future strategy.

v. to include something as a part of a larger entity

34. An intelligent battery has a voltage monitoring _____.

n. (in electrical engineering) an electrical device that provides a path for electrical current to flow; a journey or route around a particular place or area

35. 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

36. My left arm became _____.

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

37. The symptoms of an _____ can include headaches, seizures, and problems with balance or coordination.

n. a type of brain tumor that develops from abnormal glial cells called astrocytes

38. He had undergone heart _____ years before.

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

39. The _____ handles multiple plot lines and has unpredictable ends.

n. a story or a description of a series of events or process of telling a story

ANSWERS: 32. eager, 33. incorporate, 34. circuit, 35. cancer, 36. numb, 37. astrocytoma, 38. surgery, 39. narrative

40. Our plan includes a comprehensive marketing _____.
- n.* a detailed plan of action designed to achieve a long-term or overall goal.
41. She couldn't _____ whether to order the pizza or the pasta for dinner.
- v.* to make up someone's mind about something; to come to a conclusion or judgment after considering options
42. The committee _____ several apparent inconsistencies.
- v.* to conduct a systematic or formal inquiry to identify and evaluate the facts of a crime, problem, statement, etc. to establish the truth
43. His _____ faculties were getting worse because of a lack of sleep.
- adj.* of or relating to mental processes of understanding
44. The cerebral _____ consists of six layers.
- n.* the outermost layer of an organ, especially the brain
45. Health and _____ are, above all, gold.
- n.* the quality or state of being physically, or sometimes mentally, strong
46. The _____ of people who do not own property is politically impotent.
- n.* a large amount of a substance with no definite shape or form; a large number of people or things grouped or crowded together
47. She is a _____ person and has always bounced back from setbacks.
- adj.* able to withstand or recover quickly from difficult conditions
48. She is studying clinical _____ to become a brain surgeon.
- n.* the branch of medicine that deals with the diagnosis and treatment of disorders of the nervous system

ANSWERS: 40. strategy, 41. decide, 42. investigated, 43. cognitive, 44. cortex, 45. strength, 46. mass, 47. resilient, 48. neurology

49. Listening to music at a high volume may lead to a hearing _____.
- n.* a physical or mental condition that makes it difficult for someone to do some things that other people do
50. Our university is famous for its professors, who are well-versed in behavioral _____.
- n.* the scientific study of the function, structure, and disorder of the brain and the nervous system
51. The heavy backpack was _____ on the long hike through the mountains.
- adj.* causing a heavy burden or load, physically or mentally taxing; difficult to bear or manage
52. The _____ is about 13.8 billion years old.
- n.* everything that exists, especially all physical matter, including planets, stars, galaxies, and all other forms of matter and energy
53. The book _____ my imagination.
- v.* to encourage something to develop or become more active; to stir the feelings or emotions
54. They awaited news of the _____ of the election.
- n.* the result or effect of an action, event, etc.
55. The terrorist's _____ remains unknown.
- n.* the fact of being who or what somebody or something is; the features, emotions, or ideas that distinguish persons from one another
56. There has been a gradual but steady rise in environmental _____.
- n.* the fact or state of knowing something exists and is important

ANSWERS: 49. disability, 50. neuroscience, 51. burdensome, 52. universe, 53. stimulated, 54. outcome, 55. identity, 56. awareness

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

adj. not anticipated or regarded as likely to happen

58. Our brand's campaign uses a unique _____ to track engagement and reach.

n. a word or phrase preceded by the symbol #, used on social media websites and applications to identify messages on a specific topic

59. The experienced _____ monitored the patient's vital signs throughout the procedure.

n. a medical doctor who specializes in administering anesthesia to help control pain and monitor the vital signs of patients during procedures and surgeries

60. The ___ machine uses powerful magnets to produce detailed images of the inside of the body.

n. (abbreviation for magnetic resonance imaging) a medical imaging technique that uses a strong magnetic field and radio waves to produce detailed images of the inside of the body

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

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

62. X-rays revealed a small tumor in his _____.

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

63. I'm _____ of insects.

adj. afraid or frightened

64. They removed _____ content from the slides.

adj. not connected with or related to something and therefore not important

ANSWERS: 57. unexpected, 58. hashtag, 59. anesthesiologist, 60. MRI, 61. medical, 62. brain, 63. scared, 64. irrelevant

65. The economic downturn made it necessary to _____ the business.
- v.* to organize a company, business, or system in a new and different way to make it work more effectively
66. When the first molecule in the _____ receives a signal, it activates other molecules.
- n.* a track that constitutes or serves as a path; an approach or a way of doing something
67. The _____ of the situation is that he won the lottery on the day he lost his job.
- n.* the expression of one's meaning by using language that usually signifies the opposite, typically for humorous or rhetorical effect
68. This ad campaign is aimed _____ at young women.
- adv.* only associated with or meant for one thing
69. The hospital recruited experienced _____ worldwide to treat complex neurological disorders comprehensively.
- n.* a medical doctor who specializes in the surgical treatment of conditions affecting the nervous system, including the brain, spinal cord, and peripheral nerves
70. The surgeon needed a skilled _____ to assist during the operation.
- n.* a person engaged in or associated with operational work, especially one who performs labor for wages; a person actively involved in a particular field or pursuit; (adjective) functioning or working effectively; engaged in or involved with a particular activity or enterprise
71. This weather pattern is unique to the southern _____.
- n.* half of the terrestrial globe; half of a sphere

ANSWERS: 65. restructure, 66. pathway, 67. irony, 68. specifically, 69. neurosurgeons, 70. operative, 71. hemisphere

72. Researchers are currently studying the potential of _____ to treat conditions such as depression and anxiety.
- n.* the ability of the brain to change and reorganize itself in response to new experiences, learning, or injury, by creating new neural connections and pathways
73. The industrial _____ laws were passed with little to no alteration.
- n.* the way two persons or groups of people feel and act toward one another
74. Driving is difficult for me because of my poor _____.
- n.* the ability to think about or see the future with imagination and intelligence; the faculty of being able to see
75. The patient was diagnosed with a _____ in her lung.
- n.* a mass of diseased tissue that forms when cells in the body divide and grow in an uncontrolled way
76. The committee has decided to _____ the president from the post.
- v.* to regard something or someone as not important and not worth considering; to terminate someone's employment
77. Some _____ are common across cultures and backgrounds.
- n.* a strong feeling such as love, anger, etc. deriving from one's situation, mood, or relationships with others
78. She explained the _____ surrounding the accident.
- n.* the specific conditions or events that surround a particular situation or occurrence
79. This movie is famous for its romantic _____.
- n.* the use of words or pictures in books, photographs, paintings, etc., that produces pictures in the minds of people; the ability to form mental images of things or events

ANSWERS: 72. neuroplasticity, 73. relations, 74. vision, 75. tumor, 76. dismiss, 77. emotions, 78. circumstances, 79. imagery

80. The factory's _____ fumes polluted the air and affected the health of the nearby residents.
- n.* the system in a vehicle that removes waste gases from the engine; (verb) to make someone completely tired
81. Endorphins are a type of _____ that gives a sense of well-being.
- n.* a chemical that carries nerve impulses between neurons or between neurons and muscles
82. He could not _____ against temptation.
- v.* to make a great effort to do something when it is difficult, or there are a lot of problems; to use force or violence to break away from restraint or constriction
83. He tried every possible treatment, including chemotherapy and _____ therapy.
- n.* the energy that comes from a nuclear reaction in the form of rays, waves, or particles and that can be hazardous to health
84. To expand the company, we must ____ new human resources.
- v.* to hit someone or something quickly, gently, and often repeatedly; to use existing resources, such as energy, knowledge, etc.
85. Hydrogen and oxygen _____ to form water.
- v.* to join or merge to form a single thing or group
86. The _____ firefighter rescued the family from the burning building.
- adj.* showing courage or fearlessness in the face of danger, difficulty, or adversity
87. Professional skaters can spin fast on the ice without getting _____.
- adj.* having or causing a whirling sensation and not able to keep balance

ANSWERS: 80. exhaust, 81. neurotransmitter, 82. struggle, 83. radiation, 84. tap, 85. combine, 86. brave, 87. dizzy

88. The woman of the house does the holy _____ of lighting two candles.
n. any customary observance or practice; any prescribed procedure for conducting religious ceremonies
89. I created a _____ of my favorite songs for my road trip.
n. a curated list of songs or audio recordings that can be played in a specific order or shuffled randomly, often created for a specific purpose or event
90. She repeated her personal _____ to herself to stay motivated.
n. a word or phrase, often repeated, that is used as a focus for the mind during meditation
91. Gandhi had an _____ zeal for nonviolence.
adj. perfect or complete or to the most considerable degree possible
92. The facility manager _____ the security guards to be on high alert.
v. to teach someone practical skills or knowledge; to formally order or tell someone to do something
93. The class was composed of both _____ and graduate students.
n. a student who is studying for their first degree at a university or other higher education institution
94. After the accident, three governmental bodies _____ the company.
v. to oversee and control the operation or arrangement of something
95. He was proud to be a _____ of the prestigious university.
n. (informal for graduate) a student who has recently graduated or is about to graduate from a school, college, or university

ANSWERS: 88. ritual, 89. playlist, 90. mantra, 91. absolute, 92. instructed, 93. undergraduate, 94. administer, 95. grad

96. The politician tried to _____ the corruption.
- v. to conceal something; (noun) a covering that you wear over your face to hide it
97. The _____ party strongly disagreed with the government's proposed legislation.
- n. the act of disagreeing or resisting; the state of strong disagreement
98. This device is used to _____ brain cancer and other tumors.
- v. to determine or distinguish the nature of a problem or an illness through a careful analysis
99. The primary purpose of the _____ is pain relief.
- n. the way in which someone deals with or behaves towards someone or something; medical care provided to a patient for an injury or illness.
100. I underwent aversion _____ for my addiction to alcohol.
- n. the act of caring for someone through medication, remedial training, etc.
101. The company _____ employees to buy low-price items without approval to achieve efficient purchasing.
- v. to give someone the power or authority to do something
102. Floods have the potential to _____ any subsurface animals easily.
- v. to die or cause to die by being unable to breathe underwater
103. Many civilians have suffered _____ as a result of the war.
- n. an emotional wound or shock often has long-lasting effects caused by a highly upsetting or shocking experience

ANSWERS: 96. mask, 97. opposition, 98. diagnose, 99. treatment, 100. therapy, 101. empowered, 102. drown, 103. trauma

104. There was a disturbance of _____ function.

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

105. She expressed her _____ towards the kind stranger who helped her.

n. the quality of being thankful; readiness to show appreciation for and to return kindness

106. She was _____ for the help he provided.

adj. feeling or showing an appreciation of kindness; thankful

107. The movie has received almost universally _____ criticism.

adj. having the quality of something bad or harmful; expressing refusal

108. Without investment, a business cannot _____.

v. to grow vigorously; to make steady progress

109. She _____ uncontrollably after hearing the news.

v. to cry or weep with short, sudden sounds

110. Research shows that damage to the _____ cortex leads to increased aggression.

adj. in or about the foremost part of the frontal lobe of the brain

111. The _____ students were having a good time playing with toys.

n. a school or class for young children, usually between the ages of four and six

112. The _____ statement in the program tells the computer what to do next.

adj. depending on a specific condition or circumstance; imposed or subject to certain conditions or restrictions

ANSWERS: 104. neural, 105. gratitude, 106. grateful, 107. negative, 108. thrive, 109. sobbed, 110. prefrontal, 111. kindergarten, 112. conditional

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

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

114. Visa renewal for _____ foreigners in this country is once every five years.

n. a person who lives in a particular place or has their home in a place

115. The general reviewed the plans for the upcoming battle on the _____.

n. a place where a battle or conflict is fought

116. 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: 113. predict, 114. resident, 115. battlefield, 116. medicinal