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Vocabulary Builder Reference from...

Andres Lozano: Parkinson's, depression and the switch that might turn them off | TED Talk https://www.ted.com/talks/andres_lozano_parkinson_s_depression_and_the_switch_that_might_turn_them_off



All Words

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Session 1: Word List

neurosurgeon

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.

a medical doctor who specializes in the surgical

cowboy

n. a man, typically one on horseback, who herds and tends cattle, especially in the western US; a person who behaves roughly or recklessly, typically a man; a skilled ranch worker who is adept at many tasks, especially those involving horses and cattle

synonym: cowpuncher, rancher, wrangler

(1) **cowboy** rodeo, (2) **cowboy** boots

The **cowboy** hat she wore added to her rugged and tough look.

tradition

 a belief, custom, or way of doing something that has been passed down from generation to generation within a group or society

synonym:

custom, practice, ritual

(1) a **tradition** of a culture, (2) against **tradition**It is a **tradition** in many families to have a big Thanksgiving dinner with all their relatives.

neurosurgery

- *n.* medical operations conducted on the nervous system, including the brain, spinal cord, and individual nerves
- (1) the department of **neurosurgery**, (2) specialize in **neurosurgery**

She has 20 years of experience in **neurosurgery**.

adjust

dial

v. to make a minor modification to something to make it more suited for a new set of conditions or to make it function better.

synonym: adapt, alter, acclimate

- (1) **adjust** a schedule, (2) **adjust** the rearview mirror You have to **adjust** your content to the age of the audience.
- v. to adjust or set the controls of a machine or device by turning a controller called dial; (noun) a disc on a telephone that is rotated a fixed distance for each number called

synonym: adjust, set, turn

(1) **dial** up the volume, (2) **dial** down the tension He **dialed** the phone number and waited for an answer.

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 courtsAn intelligent battery has a voltage monitoring circuit.

brain

 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**.

patient

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.

involve

to include or affect someone or something as a necessary part of something else

synonym: implicate, include, engage

(1) **involve** a lot of paperwork, (2) **involve** a high degree of risk

The investigation **involves** several government agencies and is expected to take several months.

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.

psychiatric

adj. of or relating to the treatment or study of mental illness or disorders

synonym: mental, psychological, psychotherapeutic

(1) people with **psychiatric** disorders, (2) **psychiatric** hospital

The **psychiatric** evaluation revealed that the patient had been suffering from anxiety.

disease

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.

neurology

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.

possessed

adj. controlled or influenced by a strong emotion or belief synonym: controlled, influenced, consumed

(1) **possessed** by a fox, (2) like a person **possessed** She was **possessed** by a fierce determination to succeed.

evil

adj. profoundly immoral, cruel, and wicked; having or exerting a harmful effect on people

synonym: malign, corruption, immorality

(1) evil ways, (2) a charm against evil Corruption is an **evil** act for any reason.

spirit

the part of a person which is the seat of their mind, feelings, and character rather than their physical body; the general atmosphere of a place or situation and the effect that it has on people

synonym: soul, attitude, enthusiasm

- (1) **spirit** and the letter of the law, (2) an indomitable **spirit** Despite their tragic loss, the family is showing great **spirit**.
- a bone framework that surrounds the brain and gives the head its shape

synonym: cranium, scalp, brain

(1) **skull** fracture, (2) have a thick **skull** Archaeologists found a Neanderthal **skull** at that historic site.

skull

individual

- n. a single person or thing, as distinct from a groupsynonym: 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.

reluctant

adj. unwilling or hesitant to do something because of doubts or fears

synonym: hesitant, unwilling, unenthusiastic

(1) slowly becoming more **reluctant**, (2) **reluctant** readers He was **reluctant** to share his thoughts on the matter.

trepanation

 a surgical procedure involving drilling or cutting a hole into the skull to expose the brain, typically to relieve intracranial pressure or for ritual purposes in ancient cultures

synonym: cranial perforation, borehole operation

(1) **trepanation** surgery, (2) **trepanation** hole

The ancient practice of **trepanation** involved drilling a hole in the skull to treat various medical conditions.

survive

- v. to live or exist despite a dangerous event or period synonym: endure, persist, stay
- (1) **survive** a blizzard, (2) **survive** a plane crash These birds can only **survive** in temperate climates.

procedure

 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**.

dedicate

v. to give all of your energy, time, etc., entirely to a specific person, activity, or cause; to set apart for a particular purpose or use

synonym: consecrate, devote, commit

(1) **dedicate** a few hours, (2) **dedicate** a chapter to the subject

He **dedicated** his life to helping others.

movement

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

synonym: motion, progression, action

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

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

vision

 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 visionDriving is difficult for me because of my poor vision.

appetite

 a natural desire or craving for food or drink; a strong desire or liking for something

synonym: hunger, appetite, craving

(1) **appetite** suppression, (2) loss of **appetite**After a long hike, I had a huge **appetite** and devoured my meal in minutes.

nervous

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

synonym: neural, anxious, uneasy

(1) development of the **nervous** system, (2) get **nervous** He suffers from **nervous** breakdowns.

function

n. the purpose or use of an object, system, or process; a particular activity or operation that is designed to serve a specific purpose; a mathematical concept that describes a relationship between two sets of values, called the

input and output sets; (verb) to operate or work in a specific way, or to perform a particular task or purpose

synonym: purpose, mapping, job

(1) function properly, (2) immune function

The brain is an incredibly complex organ that controls the body's **function**.

rogue

 a deceitful and unreliable person; a person who behaves badly

synonym: baddie, con artist, crook

(1) a rogue detective, (2) rogue state

The president states emphatically that the opponent country is a **rogue** state that supports terrorism.

neuron

 a cell that is specialized to carry information within the brain and between the brain and other parts of the body

synonym: nerve cell

(1) excite the **neurons**, (2) **neuron** cell body

Our body transfers information along each **neuron** using an electrical impulse.

misfire

 ν . to fail to ignite or explode as intended

synonym: fail, miscarry

(1) misfire weapon, (2) misfire engine

The engine **misfired** and caused the car to stall.

manifestation

 a visible or tangible form of something, especially a particular sign of a disease or condition

synonym: expression, embodiment, presentation

(1) **manifestation** of a deeper problem, (2) **manifestation** of psychological stress

The **manifestation** of his anxiety was evident in his shaking hands.

motor

 a device that converts electricity, fuel, etc. into movement and makes a machine, vehicle, etc. work synonym: actuator, engine, machine

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

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

dysfunction

 a problem or fault in a system, organism, or part of the body or machine

synonym: malfunction, disorder, disfunction

dysfunction of kidneys, (2) brain dysfunction
 The dysfunction in the relationship was causing problems

for both partners.

malfunction

v. to fail to operate or work properly; to break down or stop functioning as expected or intended; (noun) a failure or defect in the way a machine, system, or device is supposed to operate

synonym: misfunction, break down, fail

(1) **malfunction** alarm, (2) **malfunction** and start moving unpredictably

The car's engine **malfunctioned** on the highway, so we had to call for a tow truck.

mood

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.

depression

 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.

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.

Alzheimer

 a neurodegenerative disease that causes memory loss, cognitive decline, and behavioral issues; is the most common cause of dementia in older adults

synonym: dementia, memory loss, cognitive decline

(1) **Alzheimer's** brain, (2) **Alzheimer's** risk factors My grandmother has **Alzheimer's** disease requires special care and attention from her caregivers.

pinpoint

 to locate or identify the exact position in space or time of something

synonym: name, direct, identify

(1) **pinpoint** the problem, (2) **pinpoint** signs of manipulation This radar quickly **pinpoints** the position of the enemy.

disturbance

 something that interrupts a settled and peaceful condition or that makes someone feel nervous or worried

synonym: disorder, upset, annoyance

(1) a nervous **disturbance**, (2) a **disturbance** caused by a terrorist

This building construction causes serious **disturbance** to residents.

intervene

v. to intentionally get involved in a situation to improve it or prevent it from getting worse

synonym: interfere, mediate, intercede

(1) **intervene** in a dispute, (2) **intervene** between quarreling parties

Following international law, our country does not intervene in

the internal affairs of our neighbors.

jazz

n. a type of music that originated in the African-American community in the United States and that is characterized by improvisation, syncopated rhythms, and a strong emphasis on self-expression

synonym: swing, blues, bebop

(1) jazz club, (2) a school jazz band

He listened to jazz music to relax after a long day at work.

opera

n. a drama set to music, in which the words are sung rather than spoken

synonym: musical, operetta, oratorio

(1) ballad opera, (2) opera performance

She loves going to the **opera** house and hearing the beautiful music.

volume

 the amount of space occupied by an object or substance; the magnitude of sound

synonym: capacity, amount, intensity

(1) volume of work, (2) high volume

This container has a **volume** of 10 cubic meters.

implant

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

synonym: insert, fix, place

(1) **implant** genes in the animals, (2) **implant** into the uterus The doctor will **implant** a pacemaker to regulate his heart rate.

electrode

- either of two points or ends of a conductor at which electricity enters or leaves an object, substance, or region
- (1) platinum **electrodes**, (2) **electrode** corrosion It is important to place the **electrodes** in the correct position for accurate electro-cardiogram recording.

accomplished

adj. having completed a task or achieved a goal successfully; skilled or proficient at something

synonym: achieved, finished, completed

(1) **accomplished** at a very early age, (2) **accomplished** goal

She felt **accomplished** after finishing her book.

device

 a piece of equipment, tool, or technology that serves a particular purpose or function, often mechanical or electronic

synonym: gadget, instrument, tool

(1) electronic device, (2) tracking device

I always carry a backup **device** in case my phone runs out of battery.

stimulation

 the act of arousing interest or activity in something; the action of providing a stimulus

synonym: activation, arousal, excitation

(1) **stimulation** of the economy, (2) **stimulation** of the senses

The **stimulation** of certain chemicals activates the brain's reward system.

dime

- an American or Canadian coin worth one-tenth of a dollar
- (1) dime store, (2) behind a dime

He never received a **dime**, even from the company of a close friend.

underneath

adv. under or below something else

synonym: below, under, beneath

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

The penny fell underneath the piano.

pacemaker

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

synonym: heartbeat regulator, pacer, pacesetter

- (1) implanted **pacemaker**, (2) **pacemaker** battery Some people with **pacemakers** may need to avoid certain activities or sources of electromagnetic interference.
- v. to make a machine or system work by using electricity; to make someone extremely enthusiastic about or interested in something

synonym: wire, amaze, astonish

(1) **electrify** the audience, (2) **electrify** a manufacturing process

The product developed through years of research continues to **electrify** the market.

 an untidy state or a lack of organization; a physical condition or illness that causes problems with how a section of the body or brain functions

synonym: chaos, disturbance, disease

 the files are in complete disorder, (2) people with bipolar disorder

The doctor prescribed some medicine for the mental **disorder**.

 the psychological process of perception and learning and reasoning; the mental action or process by which knowledge and understanding are developed in the mind

synonym: awareness, understanding, comprehension

(1) social cognition, (2) cognition disorderThe professor focused on the research of infant cognition.

 any sensation or change in body or mind that is experienced by a patient and is associated with a particular disease

synonym: sign, manifestation, syndrome

electrify

disorder

cognition

symptom

(1) **symptoms** of low testosterone, (2) neurotic **symptoms**The patient displays a **symptom** of a side effect.

tremor

- n. a small earthquake or shaking or vibratingsynonym: shaking, quivering, trembling
- (1) a tremor of delight, (2) tremor frequencyThe bad tremor caused several buildings to collapse.

instantly

adv. immediately

synonym: immediately, right away, directly

(1) instantly cope with, (2) be killed instantlyI remembered that person instantly and never forgot.

relate

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

synonym: connect, link, associate

(1) **relate** a story, (2) **relate** a message He tried to **relate** his experience to the group, but they couldn't understand.

misbehavior

- n. behavior that is inappropriate or unacceptable, often in violation of rules, norms, or expectationssynonym: misconduct, wrongdoing, delinquency
- (1) **misbehavior** consequence, (2) school **misbehavior** The teacher called the parents to discuss the student's **misbehavior** in class.

thalamus

n. a midline, interbrain structure that forms a major part of the brain's sensory and motor pathways, receiving signals from various body parts and sending them to appropriate parts of the cerebral cortex for processing

synonym: sensory gateway, brainstem

(1) **thalamus** function, (2) **thalamus** injury

Damage to the **thalamus** can lead to sensory processing

disorders and disruptions in perception.

nucleus

n. the central and most important part of something;
 (biology) a part of the cell containing DNA and RNA and responsible for growth and reproduction; (physics) the very dense central region of an atom

synonym: core, heart, middle

(1) form a **nucleus**, (2) the **nucleus** of a team DNA is stored in the **nucleus** of a cell.

troublemaker

 a person who intentionally causes difficulties or problems for others, often by disruptive or provocative behavior; a person who tends to create or attract trouble or controversy

synonym: troublemonger, instigator, agitator

(1) **troublemaker** kid, (2) accused **troublemaker**The teacher had to reprimand the **troublemaker** in class constantly.

gentle

adj. having or showing a kindly or tender nature; soft and mild

synonym: mild, delicate, soft

(1) in a **gentle** voice, (2) **gentle** downward slope Her **gentle** manner relaxed everyone there.

dictate

- v. to state or give order with total authority; to say or read aloud for somebody else to write down or to be recorded synonym: read out, prescribe, order
- (1) **dictate** a letter to secretary, (2) **dictate** to the associate The allies **dictated** the terms of surrender to the country.

suppress

v. to bring something under control by force or authority; to put an end by force

synonym: subdue, bury, stifle

(1) **suppress** a yawn, (2) **suppress** a revolt The doctor prescribed medication to **suppress** the patient's appetite.

abnormal

adj. not typical, usual, or regular, especially in a way that is bad

synonym: aberrant, bizzare, unusual

(1) abnormal heart rhythms, (2) abnormal cells

An **abnormal** climate in the region caused a sharp decline in grain harvest.

technique

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.

fascinating

adj. extremely interesting

synonym: alluring, intriguing, captivating

(1) **fascinating** story, (2) completely **fascinating** to me The museum houses a **fascinating** collection of Celtic artifacts.

encounter

v. to face something, particularly something unpleasant or difficult, while attempting to do something else; to meet, especially unexpectedly

synonym: meet, run into, come across

(1) **encounter** a crisis, (2) **encounter** a storm I'm prepared to **encounter** challenges throughout this adventure.

dystonia

 a neurological disorder characterized by involuntary muscle contractions that cause twisting, repetitive movements, or abnormal postures

synonym: dystrophy, abnormality, disorder

(1) **dystonia** symptoms, (2) hereditary **dystonia**Her diagnosis of cervical **dystonia** explained her neck's unusual tilting and turning.

genetic

adj. of or relating to genes (= parts of the DNA in cells) or the science of genes

synonym: hereditary, genetical, inborn

(1) have genetic testing, (2) a genetic disorderUnderstanding protein folding is a vital step in deciphering the

genetic code.

twist

- v. to bend or turn something into a certain shape synonym: wrench, turn, twirl
- (1) **twist** around to the left, (2) **twist** a wet towel He **twisted** pieces of rope out of straw.

progressive

adj. relating to or supporting development or advancement, especially social or political one

synonym: advanced, forward-thinking, modern

(1) **progressive** taxation, (2) **progressive** development The **progressive** approach to education emphasizes hands-on learning and student-centered classrooms.

sore

adj. painful or sensitive to the touch; inflamed or irritated;feeling deep distress, grief, or regret

synonym: aching, tender, angered

(1) sore throat, (2) sore back

After the workout, my muscles were **sore** and achy.

urine

 a liquid by-product of metabolism in humans and in many other animals that are released from the body when you urinate

synonym: excrement, dung, pee

urine composition, (2) blood in the urine
 They collected a urine specimen for urinalysis.

infection

 a condition in which pathogenic microorganisms or viruses have entered the body

synonym: contagion, disease, transmission

(1) a bacterial **infection**, (2) treat the **infection** with antibiotics

Hospitals must meet various standards to prevent nosocomial **infections**.

norm

- *n.* something that is regarded as usual, typical, or standard *synonym*: criterion, mean, standard
- (1) norm of action, (2) cultural norm

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

trunk

- n. the main stem or body of a tree which its branches grow synonym: body, chest, torso
- (1) the **trunk** of the tree, (2) the **trunk** of the body

 Destructive fungi thrive in moist environments, such as those seen in wounds on the **trunk**.

onset

the beginning or early stages of unpleasant something;
 a military attack

synonym: beginning, attack, commencement

at the first onset, (2) the onset of spring
 This medicine works best when taken at the onset of a cold.

cripple

v. to cause severe damage or injury that greatly impairs someone's ability to function or move; to weaken or undermine

synonym: disable, impair, paralyze

(1) **cripple** economy, (2) **cripple** opposition

The injury was severe enough to **cripple** the athlete's

chances of playing again this season.

progression

 the act or process of changing to the next stage or phase or moving forward

synonym: advancement, development, evolution

(1) **progression** of civilization, (2) **progression** of disease The company has made great strides in its **progression** toward sustainability.

disabled

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

synonym: handicapped, impaired, incapacitated

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

crawl

belly

to move forward slowly, as people or animals with their bodies near the ground

synonym: creep, drag

- (1) **crawl** across the floor, (2) **crawl** away from a car Along the gravel roads, sizeable yellow school buses **crawl**.
- the front part of the body below the chest, containing the stomach and bowels; the rounded or curved part of an object, such as a ship or aircraft

synonym: stomach, abdomen, gut

(1) the **belly** of the ship, (2) with an empty **belly** She had a tattoo just above her **belly** button.

the most important facts, ideas, or events from which basis something is developed; the way how things are

synonym: foundation, base, ground

organized or arranged

(1) on an equal **basis**, (2) **basis** for calculation

This evidence will form the **basis** for our discussion.

surgery

medical treatment of injuries or diseases involving an n. 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.

satisfy

v. to make somebody pleased by giving them what they want or need

synonym: please, amuse, meet

(1) **satisfy** a desire, (2) **satisfy** a user's needs

Did this response **satisfy** your request?

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.

prevalent

adj. existing very commonly in a particular area or in a specific time

synonym: common, ubiquitous, rampant

(1) prevalent in Japan, (2) prevalent belief

This virus is **prevalent** in many tropical nations.

medication

n. a drug or other form of medicine that treats, prevents, or alleviates the symptoms of the disease

synonym: cure, drug, medicine

(1) antibiotic **medication**, (2) **medication** by mouth
The pharmacist not only prescribes the **medication** but also guides its proper use.

psychotherapy

- the treatment of mental or emotional problems by talking with a therapist
- (1) field of **psychotherapy**, (2) **psychotherapy** for depression

He took **psychotherapy** to help him deal with his accident trauma.

convulse

 to experience a sudden and violent contraction of the muscles, often caused by pain, illness, or emotional distress, or to make someone or something do this

synonym: spasm, tremble, seize

(1) **convulse** with laughter, (2) **convulse** with anger He **convulsed** in pain as the injury was severe.

therapy

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

synonym: antidote, medicine, treatment

- (1) therapy for a patient, (2) field of gene therapyI underwent aversion therapy for my addiction to alcohol.
- an animal that you have at home as a companion and treated kindly
- (1) a pet bird, (2) a teacher's petI have a parrot as a pet.

scan

pet

v. to examine something hastily, with the eyes or with a machine, to get information

synonym: look over, scrutinize, browse

(1) **scan** the face of the man, (2) **scan** a document into PDF She stood on the podium and **scanned** an audience.

motivation

n. the reason or enthusiasm for acting or behaving in a particular way

synonym: inspiration, incentive, reason

(1) understand his **motivation**, (2) **motivation** for a change A significant amount of **motivation** is required to be a teacher.

decision-maker

- a person who makes important decisions, especially at a high level in an organization
- (1) policy **decision-maker**, (2) act as a **decision-maker** A wealth of information does not always have a positive impact on **decision-makers**.

severely

adv. very badly or seriously

synonym: harshly, hardly, oppressively

(1) severely burned arm, (2) criticize him severely

Her company was **severely** affected by the bank's failure.

depressed

adj. sad and without any hopesynonym: despondent, despairing, sad

(1) **depressed** feeling, (2) the market is **depressed** After his mother died, he got **depressed**.

impair

- v. to damage something or make it weaker or worse synonym: degrade, mar, deface
- (1) **impair** my health, (2) **impair** insulin sensitivity The accident made his vision **impaired**.

discovery

 the act or process of finding information, a place, or an object, or learning about something that was previously not known

synonym: finding, uncovering, detection

(1) a scientific **discovery**, (2) the great **discovery** of the century

Her research team made an important discovery.

overactive

adj. excessively active; showing an excess of activity or energy

synonym: hyperactive, frantic, restless

(1) **overactive** imagination, (2) **overactive** thyroid The medication caused an **overactive** immune system, resulting in adverse side effects.

hyperactive

 adj. excessively or abnormally active, restless, or easily excitable, particularly about children or animals with attention deficit hyperactivity disorder (ADHD)

synonym: hyperkinetic, overactive, restless

(1) **hyperactive** child, (2) **hyperactive** imagination The **hyperactive** dog was running around the house, knocking things over.

thermostat

 a device that automatically regulates temperature by controlling the heating or cooling system based on the temperature in a room or building

synonym: thermoregulator, climate control

(1) thermostat settings, (2) smart thermostat

The digital **thermostat** has a programmable feature, and it can be controlled through your smartphone.

degree

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

synonym: level, qualification, diploma

(1) bachelor's degree,(2) degree centigradeShe received her degree in psychology from the university.

consequence

 the outcome of a particular action or event, especially relative to an individual

synonym: result, impact, outcome

(1) unintended **consequences**, (2) the **consequence** of an argument

These economic activities had disastrous environmental **consequences**.

colleague

 one of a group of a coworker, especially in a profession or a business

synonym: coworker, associate, fellow

collaborate with colleagues,
 former colleague
 decided to seek counseling on the advice of my colleague.

lobe

 a rounded projection or division, especially of the brain, lung, or liver

synonym: part, section, division

(1) **lobe** of the liver, (2) frontal **lobe**The lungs are divided into five **lobes**.

continuous

adj. occurring or existing without a pause or interruption synonym: ceaseless, regular, repeated

(1) continuous improvement, (2) a continuous row of

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warehouses

The heavy snow has been **continuous** since last morning.

reverse

v. to change something's direction, order, position, decision, etc., to the opposite one; (adjective) directed or moving toward the rear

synonym: overturn, shift, switch

(1) **reverse** the trend, (2) **reverse** the order The restaurant **reversed** a ban on smoking.

striking

adj. attractive and distinctive enough to draw notice;exceedingly appealing, frequently in an odd mannersynonym: arresting, astonishing, exceptional

(1) **striking** innovation, (2) **striking** evidence The two plays have many **striking** parallels.

severe

adj. extremely serious or bad in feeling, manner, or strict and harsh; extremely strong or vigorous

synonym: harsh, relentless, powerful

severe heat, (2) a severe case of pneumonia
 The senator received severe criticism from his opponent.

clinical

- adj. of or relating to the examination and treatment of patients rather than theoretical or laboratory studiessynonym: dispassionate, analytic, scientific
- (1) **clinical** surgery, (2) participate in **clinical** trials She received special **clinical** training at the hospital.

phase

- n. any stage in a series of events, change, or developmentsynonym: degree, stage, step
- (1) enter on the last **phase**, (2) two- **phase** structure The era of the industrial revolution was a crucial **phase** of history.

turbocharger

 a device used to increase the power and efficiency of an internal combustion engine by compressing the air entering the engine, thereby increasing the amount of fuel that can be burned and the power that can be generated

synonym: supercharger, blower, compressor

(1) turbocharger boost, (2) turbocharger kit

The **turbocharger** in the truck's diesel engine forced more air into the combustion chamber.

deficit

- n. the total amount by which money spent is greater than money earned in a particular period of time; the property of being an amount by which something, especially an amount of money, is less than expected or required
- synonym: insufficiency, deficiency, shortage
- (1) federal budget **deficit**, (2) an accumulative **deficit** Exchange rate fluctuations have increased that country's trade **deficit**.

fornix

 a curved arch-like structure or bundle of nerve fibers in the brain, particularly in the limbic system, that connects various regions

synonym: arch, vault, span

(1) fornix pathway, (2) anterior fornix

The patient underwent an MRI to detect any **fornix** lesions, which could be causing memory issues.

highway

a main road, especially one connecting major towns or cities

synonym: road, expressway, freeway

synonym: sugar, blood sugar

(1) highway system, (2) an interstate highwayI'm going to take the highway to get to my destination faster.

glucose

- a type of sugar that is found in plants, especially fruit, and is an essential energy source in living things
- (1) blood **glucose** test, (2) **glucose** level

The doctor injected **glucose** into his patient's veins.

utilization

n. the act or process of using something effectively or productively; the extent to which something is usedsynonym: use, application, implementation

(1) resource **utilization**, (2) technology **utilization**The **utilization** of renewable energy sources is crucial for the future of our planet.

hog

n. a domesticated pig or swine; a selfish or greedy person who keeps or takes more than their fair share of something; (verb) to take or use more than one's fair share of something, often to the detriment of others

synonym: pig, swine, boar

(1) **hog** farming, (2) **hog** all the glory

The farmer raised his **hogs** for meat and sold them at a local market.

weigh

v. to have a particular weight; to carefully evaluate things before making a conclusion

synonym: consider, cogitate, count

(1) **weigh** heavily on stock prices, (2) **weigh** a cargo The baby **weighs** 1 pound 3 oz.

precursor

 a person or thing that comes before another of the same kind and that contributes to or influences its growth

synonym: antecedent, forerunner, herald

(1) **precursor** cell, (2) **precursor** to serotonin Sulfur dioxide and nitrogen oxides are the primary **precursors** of acid rain.

ribbon

 a long, narrow strip or band of fabric, often used for decoration or tying things together; a symbol or badge representing a particular honor or award

synonym: band, strip, sash

(1) silk ribbon, (2) pink ribbon campaign

She tied the **ribbon** around the gift box to make it look pretty.

analogous

adj. similar or equivalent in some respects, typically as a result of functioning in a similar waysynonym: similar, comparable, equivalent

(1) analogous fashion, (2) entirely analogous

The human heart is **analogous** to a pump in a plumbing system.

predominantly

adv. mainly, mostly, or primarily; having the greatest influence or power in a particular situation or groupsynonym: mostly, chiefly, largely

(1) **predominantly** rural, (2) **predominantly** Christian The neighborhood is **predominantly** made up of young families with children.

parietal

adj. relating to or situated near the wall of a body cavity; of, relating to, or involving the walls or outer surfaces of an organ or structure

synonym: cerebral, skull, cranial

(1) parietal cortex, (2) parietal bone

The **parietal** lobe of the brain is responsible for processing sensory information.

temporal

adj. of or relating to time as opposed to eternity *synonym*: transient, fleeting, temporary

(1) a **temporal** restriction, (2) **temporal** history

The **temporal** nature of the universe is a subject of much debate among scientists.

represent

v. to speak, act, or be present on behalf of another person or group; to form or constitute

synonym: depict, express, describe

(1) **represent** by a diagram, (2) the characters that **represent** numbers

We elected him to **represent** us at the international conference.

improve

v. to make or become better

synonym: enhance, ameliorate, enrich

(1) **improve** a process, (2) **improve** the test score We want to **improve** ties between our two countries.

schizophrenia

 a severe mental disorder in which a person has a distorted view of reality and may experience hallucinations, delusions, and disordered thinking and behavior

synonym: psychosis, disorder, mental illness

(1) **schizophrenia** spectrum disorder, (2) **schizophrenia** treatment

The **schizophrenia** patient was experiencing severe auditory hallucinations.

responsible

adj. answerable or accountable for something within one's power, control, or management

synonym: accountable, answerable, liable

(1) **responsible** action, (2) **responsible** for a customer service

She's a **responsible** pet owner who ensures her dog gets enough exercise and a healthy diet.

introduction

n. a preliminary explanation or remarks given before the start of a text, performance, or event; the act of bringing something new into existence or introducing something to a wider audience or new market

synonym: initiation, preamble, prologue

(1) **introduction** education, (2) self- **introduction**The **introduction** to the new class was informative and engaging.

graduate

 a person who has a first degree from university or college; (verb) to complete the first course of university or college and get a degree

synonym: alumna, alum, grad

(1) graduate degree program, (2) honor graduate

Many employers hire graduate trainees to train as managers.

underperform

v. to perform less successfully or effectively than expected, needed, or desired; to fail to meet one's own or others' expectations or standards

synonym: underachieve, perform poorly, fall short

(1) **underperform** expectations, (2) **underperform** the market

The team **underperformed** in the championship game, leading to their defeat.

implication

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

synonym: suggestion, association, conclusion

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

modify

v. to change something slightly, such as a plan, option, law, etc., especially to make it more suitable for a particular purpose

synonym: adjust, alter, revise

(1) genetically **modify** food, (2) **modify** my behavior We use adverbs to **modify** verbs and adjectives.

dam

 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.

harvest

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

synonym: crop, reaping, yield

a scanty harvest,
 reap a harvest
 reap a harvest
 farmers are incredibly busy.

envision

v. to imagine or expect what a situation will be like in the future

synonym: anticipate, foresee, picture

(1) **envision** the future, (2) **envision** the project's success We cannot **envision** her as President.

expansion

 the process of becoming larger or more extensive, or the result of this process

synonym: growth, enlargement, development

(1) industrial **expansion**, (2) **expansion** project The company is undergoing an **expansion**, opening new locations in several states.

indication

 a sign or remark that something exists, is real, or is likely to occur

synonym: clue, hint, inkling

(1) **indication** of inflation, (2) environmental **indication** Faces are a good **indication** of age.

exciting

adj. causing a lot of interest or excitement *synonym*: exhilarating, stimulating, thrilling

(1) **exciting** football player, (2) **exciting** news The findings of the experiment were both **exciting** and unexpected.

multidisciplinary

adj. integrating or involving various academic fields or different skills in a topic or problem-solving approachsynonym: integrative, interdisciplinary

(1) **multidisciplinary** project, (2) **multidisciplinary** analysis He adopted a **multidisciplinary** research approach to unravel complex phenomena.

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.

psychiatry

- n. the branch of medicine concerned with the study, treatment, and prevention of mental illnesssynonym: mental health, psychology, psychoanalysis
- (1) **psychiatry** therapy, (2) biological **psychiatry**The field of **psychiatry** is constantly evolving, with new treatments and approaches being developed all the time.

interface

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

synonym: junction, surface, UI

(1) **interface** between gas and liquid, (2) the user **interface** Detergent weakens the surface tension at the **interface** of two liquids.

discipline

 the practice of training people to obey rules or a code of behavior, using and punishments if these are broken; a region of activity, knowledge, or influence

synonym: training, restraint, field

(1) break **discipline**, (2) rigid **discipline**He quickly learned the military **discipline**.

excitement

- a feeling of great enthusiasm and eagernesssynonym: thrill, exhilaration, incitement
- (1) the **excitement** in the business world, (2) aesthetic **excitement**

The **excitement** of the upcoming concert was palpable among the crowd.

chase

v. to pursue something or someone to catch or capture them; to go after something vigorously or with determination; (noun) a pursuit or a hunt; a narrow groove or channel cut into a surface, often used for decorative purposes

synonym: pursue, hunt, track

(1) chase a dream, (2) wild goose chase

The police officer **chased** the suspect through the crowded streets until they finally caught him.

Session 2: Spelling

1.	hypve child	adj.	excessively or abnormally active, restless, or easily excitable, particularly about children or animals with attention deficit hyperactivity disorder (ADHD)
2.	enter on the last phe	n.	any stage in a series of events, change, or development
3.	thus function	n.	a midline, interbrain structure that forms a major part of the brain's sensory and motor pathways, receiving signals from various body parts and sending them to appropriate parts of the cerebral cortex for processing
4.	the department of neuery	n.	medical operations conducted on the nervous system, including the brain, spinal cord, and individual nerves
5.	completely fasng to me	adj.	extremely interesting
6.	frontal Ie	n.	a rounded projection or division, especially of the brain, lung, or liver
7.	the market is deed	adj.	sad and without any hope
8.	malon alarm	ν.	to fail to operate or work properly; to break down or stop functioning as expected or intended; (noun) a failure or defect in the way a machine, system, or device is supposed to operate
9.	exon project	n.	the process of becoming larger or more extensive, or the result of this process

ANSWERS: 1. hyperactive, 2. phase, 3. thalamus, 4. neurosurgery, 5. fascinating, 6. lobe, 7. depressed, 8. malfunction, 9. expansion

Vocab-Builder Ref from "Andres Lozano: Parkinson's, depression and the switch that might turn them off | TED Talk" (153 words)

20. cognitive

ANSWERS: 21. disorder, 22. progression, 23. suppress, 24. phase, 25. tremor, 26. parietal, 27. hog, 28. patient, 29. jazz

30.	high voe	n.	the amount of space occupied by an object or substance; the magnitude of sound			
31.	basic br_n function	n.	the organ inside the head that is responsible for one's movement, thought, memory, and feeling			
32.	a scanty hat	n.	yields of plants in a single growing season; the period of the year when gathering occurs on a farm			
33.	adt the rearview mirror	ν.	to make a minor modification to something to make it more suited for a new set of conditions or to make it function better.			
34.	industrial exon	n.	the process of becoming larger or more extensive, or the result of this process			
35.	prove taxation	adj.	relating to or supporting development or advancement, especially social or political one			
36.	with an empty bey	n.	the front part of the body below the chest, containing the stomach and bowels; the rounded or curved part of an object, such as a ship or aircraft			
37.	weh heavily on stock prices	ν.	to have a particular weight; to carefully evaluate things before making a conclusion			
38.	the impon in a crime	n.	something that is inferred or indirectly stated; the act or fact of being involved in something			
39.	say a user's needs	<i>v</i> .	to make somebody pleased by giving them what they want or need			
ANSWERS: 30. volume, 31. brain, 32. harvest, 33. adjust, 34. expansion, 35. progressive, 36. belly, 37. weigh, 38. implication, 39. satisfy						

Vocab-Builder Ref from "Andres Lozano: Parkinson's, depression and the switch that might turn them off | TED Talk" (153 words)

40. the____at settings a device that automatically regulates n. temperature by controlling the heating or cooling system based on the temperature in a room or building something that is regarded as usual, 41. cultural n m n. typical, or standard a deceitful and unreliable person; a 42. a ro e detective n. person who behaves badly to imagine or expect what a situation 43. en on the project's success will be like in the future 44. the on__t of spring the beginning or early stages of unpleasant something; a military attack adj. not typical, usual, or regular, especially 45. ab___al cells in a way that is bad the ability to think about or see the 46. telescopic vi___n n. future with imagination and intelligence; the faculty of being able to see 47. honor gr te a person who has a first degree from university or college; (verb) to complete the first course of university or college and get a degree 48. people with bipolar di___er an untidy state or a lack of organization; n. a physical condition or illness that causes problems with how a section of the body or brain functions

new set of conditions or to make it function better.

adv. immediately

to make a minor modification to

something to make it more suited for a

ANSWERS: 40. thermostat, 41. norm, 42. rogue, 43. envision, 44. onset, 45. abnormal, 46. vision, 47. graduate, 48. disorder, 49. instantly, 50. adjust

49. in ly cope with

50. ad___t a schedule

ANSWERS: 59. parietal, 60. glucose, 61. convulse, 62. nucleus, 63. dysfunction, 64. misfire, 65. temporal, 66. decide, 67. involve

68. the great diry of the century	n.	the act or process of finding information, a place, or an object, or learning about something that was previously not known
69. dI up the volume	v.	to adjust or set the controls of a machine or device by turning a controller called dial; (noun) a disc on a telephone that is rotated a fixed distance for each number called
70. a p_t bird	n.	an animal that you have at home as a companion and treated kindly
71. a private indal	n.	a single person or thing, as distinct from a group
72. the root problem of her depon	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
73. neurotic syms	n.	any sensation or change in body or mind that is experienced by a patient and is associated with a particular disease
74. coy boots	n.	a man, typically one on horseback, who herds and tends cattle, especially in the western US; a person who behaves roughly or recklessly, typically a man; a skilled ranch worker who is adept at many tasks, especially those involving horses and cattle
75. de store	n.	an American or Canadian coin worth one-tenth of a dollar
ANSWERS: 68. discovery, 69. dial, 70. persymptom, 74. cowboy, 75. dime	t, 71	. individual, 72. depression, 73.

ANSWERS: 76. volume, 77. stimulation, 78. twist, 79. decision-maker, 80. urine, 81. glucose, 82. dam, 83. thermostat, 84. modify

ANSWERS: 95. cognition, 96. electrify, 97. continuous, 98. excitement, 99. indication, 100. engineer, 101. utilization, 102. skull, 103. highway, 104. relate

ANSWERS: 105. device, 106. depression, 107. individual, 108. pacemaker, 109. mood, 110. malfunction, 111. discovery, 112. impair, 113. psychiatry

multidisciplinary, 119. surgery, 120. dedicate, 121. patient

131. ne____gy department

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

132. fever with neu____cal signs

135. understand his mot on

138. gr____te degree program

stress

134. fas ng story

136. loss of ap te

137. th____us injury

133. man_____ion of psychological

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

 a visible or tangible form of something, especially a particular sign of a disease or condition

adj. extremely interesting

n. the reason or enthusiasm for acting or behaving in a particular way

 a natural desire or craving for food or drink; a strong desire or liking for something

n. a midline, interbrain structure that forms a major part of the brain's sensory and motor pathways, receiving signals from various body parts and sending them to appropriate parts of the cerebral cortex for processing

 a person who has a first degree from university or college; (verb) to complete the first course of university or college and get a degree

ANSWERS: 129. reverse, 130. psychiatric, 131. neurology, 132. neurological, 133. manifestation, 134. fascinating, 135. motivation, 136. appetite, 137. thalamus, 138. graduate

(verb) to take or use more than one's fair share of something, often to the detriment of others

ANSWERS: 139. motor, 140. neurosurgeon, 141. discipline, 142. excitement, 143. intervene, 144. medication, 145. survive, 146. psychotherapy, 147. exciting, 148. hog

149. coon disorder	n.	the psychological process of perception and learning and reasoning; the mental action or process by which knowledge and understanding are developed in the mind
150. thy for a patient	n.	the act of caring for someone through medication, remedial training, etc.
151. accused troker	n.	a person who intentionally causes difficulties or problems for others, often by disruptive or provocative behavior; a person who tends to create or attract trouble or controversy
152. undorm the market	v.	to perform less successfully or effectively than expected, needed, or desired; to fail to meet one's own or others' expectations or standards
153. psyapy for depression	n.	the treatment of mental or emotional problems by talking with a therapist
154. unintended conces	n.	the outcome of a particular action or event, especially relative to an individual
155. a gec disorder	adj.	of or relating to genes (= parts of the DNA in cells) or the science of genes
156. enon the future	v.	to imagine or expect what a situation will be like in the future
157. technology ution	n.	the act or process of using something effectively or productively; the extent to which something is used
158. bas for calculation	n.	the most important facts, ideas, or events from which something is developed; the way how things are organized or arranged

ANSWERS: 149. cognition, 150. therapy, 151. troublemaker, 152. underperform, 153. psychotherapy, 154. consequence, 155. genetic, 156. envision, 157. utilization, 158. basis

ANSWERS: 159. surgery, 160. tremor, 161. belly, 162. reluctant, 163. function, 164. overactive, 165. disabled, 166. movement

process of moving or being moved,

physically or figuratively

ANSWERS: 167. medication, 168. continuous, 169. basis, 170. neurosurgery, 171. evil, 172. neurological, 173. disabled, 174. spirit, 175. abnormal, 176. prevalent

	inne between quarreling parties	ν.	to intentionally get involved in a situation to improve it or prevent it from getting worse
186.	ener a crisis	<i>v</i> .	to face something, particularly something unpleasant or difficult, while attempting to do something else; to meet, especially unexpectedly
187.	pror cell	n.	a person or thing that comes before another of the same kind and that contributes to or influences its growth
188.	twt around to the left	<i>v</i> .	to bend or turn something into a certain shape
189.	pint signs of manipulation	<i>v</i> .	to locate or identify the exact position in space or time of something
190.	undth the laughter	adv.	under or below something else
191.	moton for a change	n.	the reason or enthusiasm for acting or behaving in a particular way
192.	skI fracture	n.	a bone framework that surrounds the brain and gives the head its shape
193.	resle for a customer service	adj.	answerable or accountable for something within one's power, control, or management
194.	a mor mechanic	n.	a device that converts electricity, fuel, etc. into movement and makes a machine, vehicle, etc. work
195.	ener a storm	<i>v</i> .	to face something, particularly something unpleasant or difficult, while attempting to do something else; to meet, especially unexpectedly

ANSWERS: 185. intervene, 186. encounter, 187. precursor, 188. twist, 189. pinpoint, 190. underneath, 191. motivation, 192. skull, 193. responsible, 194. motor, 195. encounter

196. sely burned arr	n adv.	very badly or seriously
197. against tron	n.	a belief, custom, or way of doing something that has been passed down from generation to generation within a group or society
198. acched at a	very early age adj.	having completed a task or achieved a goal successfully; skilled or proficient at something
199. suss a yawn	v.	to bring something under control by force or authority; to put an end by force
200. the characters that numbers	rent v.	to speak, act, or be present on behalf of another person or group; to form or constitute
201. ballad opa	n.	a drama set to music, in which the words are sung rather than spoken
202. a prodigious vin	n.	the ability to think about or see the future with imagination and intelligence; the faculty of being able to see
203. se back	adj.	painful or sensitive to the touch; inflamed or irritated; feeling deep distress, grief, or regret
204. dl down the tension	on v.	to adjust or set the controls of a machine or device by turning a controller called dial; (noun) a disc on a telephone that is rotated a fixed distance for each number called
205. ree the order	v.	to change something's direction, order, position, decision, etc., to the opposite one; (adjective) directed or moving toward the rear

ANSWERS: 196. severely, 197. tradition, 198. accomplished, 199. suppress, 200. represent, 201. opera, 202. vision, 203. sore, 204. dial, 205. reverse

- 206. a tr____on of a culture
- 207. I__e of the liver
- 208. the user in____ce
- 209. an indomitable sp___t

- 210. el de corrosion
- 211. ch__e a dream

212. re___e a story

- a belief, custom, or way of doing something that has been passed down from generation to generation within a group or society
- a rounded projection or division, especially of the brain, lung, or liver
- n. (computer science) a program that controls a display for the user and that allows the user to interact with the system; (chemistry) a surface forming a common boundary between two things
- n. the part of a person which is the seat of their mind, feelings, and character rather than their physical body; the general atmosphere of a place or situation and the effect that it has on people
- either of two points or ends of a conductor at which electricity enters or leaves an object, substance, or region
- v. to pursue something or someone to catch or capture them; to go after something vigorously or with determination; (noun) a pursuit or a hunt; a narrow groove or channel cut into a surface, often used for decorative purposes
- v. to establish a connection or association between two or more things; to narrate or tell about an event, experience, or relationship; to empathize or feel sympathy with someone or something

ANSWERS: 206. tradition, 207. lobe, 208. interface, 209. spirit, 210. electrode, 211. chase, 212. relate

217. dy____ia symptoms

218. a dis ce caused by a terrorist

219. a teacher's p t

220. the tr k of the body

a neurological disorder characterized by cause twisting, repetitive movements, or abnormal postures

a neurological disorder characterized by n. involuntary muscle contractions that cause twisting, repetitive movements, or abnormal postures

something that interrupts a settled and n. peaceful condition or that makes someone feel nervous or worried

an animal that you have at home as a n. companion and treated kindly

the main stem or body of a tree which n. its branches grow

ANSWERS: 213. disease, 214. function, 215. possessed, 216. dystonia, 217. dystonia, 218. disturbance, 219. pet, 220. trunk

ANSWERS: 221. decision-maker, 222. disturbance, 223. fornix, 224. crawl, 225. scan, 226. appetite, 227. circuit, 228. severe, 229. reluctant, 230. scan

eyes or with a machine, to get

information

ANSWERS: 231. neurosurgeon, 232. introduction, 233. involve, 234. electrode, 235. predominantly, 236. analogous, 237. exciting, 238. striking, 239. trepanation

240.	schnia treatment	n.	a severe mental disorder in which a person has a distorted view of reality and may experience hallucinations, delusions, and disordered thinking and behavior
241.	pink rin campaign	n.	a long, narrow strip or band of fabric, often used for decoration or tying things together; a symbol or badge representing a particular honor or award
242.	collaborate with coues	n.	one of a group of a coworker, especially in a profession or a business
243.	roe state	n.	a deceitful and unreliable person; a person who behaves badly
244.	rigid disne	n.	the practice of training people to obey rules or a code of behavior, using and punishments if these are broken; a region of activity, knowledge, or influence
245.	pretly rural	adv.	mainly, mostly, or primarily; having the greatest influence or power in a particular situation or group
246.	participate in clal trials	adj.	of or relating to the examination and treatment of patients rather than theoretical or laboratory studies
247.	cognitive negy	n.	the branch of medicine that deals with the diagnosis and treatment of disorders of the nervous system
248.	we_h a cargo	<i>v</i> .	to have a particular weight; to carefully evaluate things before making a conclusion

ANSWERS: 240. schizophrenia, 241. ribbon, 242. colleague, 243. rogue, 244. discipline, 245. predominantly, 246. clinical, 247. neurology, 248. weigh

249. the conce of an argument	n.	the outcome of a particular action or event, especially relative to an individual
250. field of gene thy	n.	the act of caring for someone through medication, remedial training, etc.
251. like a person poed	adj.	controlled or influenced by a strong emotion or belief
252. get nes	adj.	worried and anxious about something; relating to the nerves
253. crl away from a car	<i>v</i> .	to move forward slowly, as people or animals with their bodies near the ground
254. clal surgery	adj.	of or relating to the examination and treatment of patients rather than theoretical or laboratory studies
255. cre economy	<i>v</i> .	to cause severe damage or injury that greatly impairs someone's ability to function or move; to weaken or undermine
256. anterior fox	n.	a curved arch-like structure or bundle of nerve fibers in the brain, particularly in the limbic system, that connects various regions
257. a teue in martial arts	n.	a particular way or art of doing something that needs skill
258. ime a process	<i>v</i> .	to make or become better
259. undergo a surgical prre	n.	a way of doing something, especially the official or well-known way

ANSWERS: 249. consequence, 250. therapy, 251. possessed, 252. nervous, 253. crawl, 254. clinical, 255. cripple, 256. fornix, 257. technique, 258. improve, 259. procedure

260. development of the ne___s system

261. environmental ind____on

262. de___e on a course of action

263. im___r insulin sensitivity

264. electronic de e

265. the tr_k of the tree

266. co___se with anger

267. co___y rodeo

268. a se___e case of pneumonia

- adj. worried and anxious about something; relating to the nerves
- n. a sign or remark that something exists, is real, or is likely to occur
- v. to make up someone's mind about something; to come to a conclusion or judgment after considering options

v. to damage something or make it weaker or worse

 a piece of equipment, tool, or technology that serves a particular purpose or function, often mechanical or electronic

n. the main stem or body of a tree which its branches grow

- v. to experience a sudden and violent contraction of the muscles, often caused by pain, illness, or emotional distress, or to make someone or something do this
- n. a man, typically one on horseback, who herds and tends cattle, especially in the western US; a person who behaves roughly or recklessly, typically a man; a skilled ranch worker who is adept at many tasks, especially those involving horses and cattle

adj. extremely serious or bad in feeling,manner, or strict and harsh; extremelystrong or vigorous

ANSWERS: 260. nervous, 261. indication, 262. decide, 263. impair, 264. device, 265. trunk, 266. convulse, 267. cowboy, 268. severe

ANSWERS: 269. onset, 270. implant, 271. progressive, 272. hyperactive, 273. degree, 274. underperform, 275. jazz, 276. brain, 277. introduction

278. gee downward slope	adj.	having or showing a kindly or tender nature; soft and mild
279. former coue	n.	one of a group of a coworker, especially in a profession or a business
280. federal cit 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
281. in an ugly md	n.	the way you feel at a particular time; an angry or impatient state of mind
282. have gec testing	adj.	of or relating to genes (= parts of the DNA in cells) or the science of genes
283. imt into the uterus	ν.	to insert or fix an artificial device in a person's body; to put an idea, attitude, etc., firmly in the mind
284. resle action	adj.	answerable or accountable for something within one's power, control, or management
285. be killed inly	adv.	immediately
286. standard prre	n.	a way of doing something, especially the official or well-known way
287. deed feeling	adj.	sad and without any hope
288. manion of a deeper problem	n.	a visible or tangible form of something, especially a particular sign of a disease or condition
289. misor consequence	n.	behavior that is inappropriate or unacceptable, often in violation of rules, norms, or expectations

ANSWERS: 278. gentle, 279. colleague, 280. circuit, 281. mood, 282. genetic, 283. implant, 284. responsible, 285. instantly, 286. procedure, 287. depressed, 288. manifestation, 289. misbehavior

ANSWERS: 290. turbocharger, 291. psychiatry, 292. electrify, 293. urine, 294. cripple, 295. misfire, 296. opera, 297. stimulation, 298. norm

- 299. su___e a blizzard
- 300. te____al history
- 301. a circular mo____nt
- 302. genetically mo___y food
- 303. excite the ne ns
- 304. di e to the associate
- 305. ne n cell body
- 306. di____e prevention

- v. to live or exist despite a dangerous event or period
- adj. of or relating to time as opposed to eternity
- n. a group of people working together to achieve a shared goal, especially a political, social, or artistic one; the process of moving or being moved, physically or figuratively
- v. to change something slightly, such as a plan, option, law, etc., especially to make it more suitable for a particular purpose
- a cell that is specialized to carry information within the brain and between the brain and other parts of the body
- v. to state or give order with total authority; to say or read aloud for somebody else to write down or to be recorded
- a cell that is specialized to carry information within the brain and between the brain and other parts of the body
- a disorder or illness that affects the body or mind, often characterized by specific symptoms or abnormal functioning of organs or systems

ANSWERS: 299. survive, 300. temporal, 301. movement, 302. modify, 303. neuron, 304. dictate, 305. neuron, 306. disease

Session 3: Fill in the Blanks

1.	The professor focused on the research of infant
n.	the psychological process of perception and learning and reasoning; the mental action or process by which knowledge and understanding are developed in the mind
2.	These birds can only in temperate climates.
ν.	to live or exist despite a dangerous event or period
3.	She has 20 years of experience in
n.	medical operations conducted on the nervous system, including the brain, spinal cord, and individual nerves
4.	The doctor injected into his patient's veins.
n.	a type of sugar that is found in plants, especially fruit, and is an essential energy source in living things
5.	The farmer raised his for meat and sold them at a local market.
n.	a domesticated pig or swine; a selfish or greedy person who keeps or takes more than their fair share of something; (verb) to take or use more than one's fair share of something, often to the detriment of others
6.	The police officer the suspect through the crowded streets until they finally caught him.
v.	to pursue something or someone to catch or capture them; to go after something vigorously or with determination; (noun) a pursuit or a hunt; a narrow groove or channel cut into a surface, often used for decorative purposes
7.	He pieces of rope out of straw.
<i>v</i> .	to bend or turn something into a certain shape
	SWERS: 1. cognition, 2. survive, 3. neurosurgery, 4. glucose, 5. hogs, 6. chased, wisted

24.	The team in the championship game, leading to their defeat.
ν.	to perform less successfully or effectively than expected, needed, or desired; to fail to meet one's own or others' expectations or standards
25.	The field of is constantly evolving, with new treatments and approaches being developed all the time.
n.	the branch of medicine concerned with the study, treatment, and prevention of mental illness
26.	The president states emphatically that the opponent country is a state that supports terrorism.
n.	a deceitful and unreliable person; a person who behaves badly
27.	The doctor will a pacemaker to regulate his heart rate.
<i>v</i> .	to insert or fix an artificial device in a person's body; to put an idea, attitude, etc., firmly in the mind
28.	The systems we have developed has accepted as industry
n.	something that is regarded as usual, typical, or standard
29.	This container has a of 10 cubic meters.
n.	the amount of space occupied by an object or substance; the magnitude of sound
30.	The teacher called the parents to discuss the student's in class.
n.	behavior that is inappropriate or unacceptable, often in violation of rules, norms, or expectations
31.	The of the dancers on stage was graceful and elegant.
n.	a group of people working together to achieve a shared goal, especially a political, social, or artistic one; the process of moving or being moved, physically or figuratively
	SWERS: 24. underperformed, 25. psychiatry, 26. rogue, 27. implant, 28. norms, volume, 30. misbehavior, 31. movement

32.	The company has made great strides in its toward sustainability.
n.	the act or process of changing to the next stage or phase or moving forward
33.	Damage to the can lead to sensory processing disorders and disruptions in perception.
n.	a midline, interbrain structure that forms a major part of the brain's sensory and motor pathways, receiving signals from various body parts and sending them to appropriate parts of the cerebral cortex for processing
34.	The investigation several government agencies and is expected to take several months.
v.	to include or affect someone or something as a necessary part of something else
35.	This evidence will form the for our discussion.
n.	the most important facts, ideas, or events from which something is developed; the way how things are organized or arranged
36.	The patient underwent an MRI to detect any lesions, which could be causing memory issues.
n.	a curved arch-like structure or bundle of nerve fibers in the brain, particularly in the limbic system, that connects various regions
37.	This building construction causes serious to residents.
n.	something that interrupts a settled and peaceful condition or that makes someone feel nervous or worried
38.	The heavy snow has been since last morning.
adj	cocurring or existing without a pause or interruption
	SWERS: 32. progression, 33. thalamus, 34. involves, 35. basis, 36. fornix, 37. turbance, 38. continuous

	She's a pet owner who ensures her dog gets enough exercise and a healthy diet.
аај	 answerable or accountable for something within one's power, control, or management
40.	It is important to place the in the correct position for accurate electro-cardiogram recording.
n.	either of two points or ends of a conductor at which electricity enters or leaves an object, substance, or region
41.	The allies the terms of surrender to the country.
ν.	to state or give order with total authority; to say or read aloud for somebody else to write down or to be recorded
42.	He listened to music to relax after a long day at work.
n.	a type of music that originated in the African-American community in the United States and that is characterized by improvisation, syncopated rhythms, and a strong emphasis on self-expression
43.	She tied the around the gift box to make it look pretty.
n.	a long, narrow strip or band of fabric, often used for decoration or tying things together; a symbol or badge representing a particular honor or award
44.	A significant amount of is required to be a teacher.
n.	the reason or enthusiasm for acting or behaving in a particular way
45.	The restaurant a ban on smoking.
ν.	to change something's direction, order, position, decision, etc., to the opposite one; (adjective) directed or moving toward the rear
	SWERS: 39. responsible, 40. electrodes, 41. dictated, 42. jazz, 43. ribbon, 44. tivation, 45. reversed

46.	Jockey's superior brought him victory.
n.	a particular way or art of doing something that needs skill
47.	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
48. n.	This medicine works best when taken at the of a cold. the beginning or early stages of unpleasant something; a military attack
49.	The pharmacist not only prescribes the but also guides its proper use.
n.	a drug or other form of medicine that treats, prevents, or alleviates the symptoms of the disease
50.	The patient was diagnosed with a disorder affecting their motor skills.
adj	of or relating to the science of neurology or the nervous system
	Understanding protein folding is a vital step in deciphering the code. of or relating to genes (= parts of the DNA in cells) or the science of genes
52. v.	We want to ties between our two countries. to make or become better
53. n.	Archaeologists found a Neanderthal at that historic site. a bone framework that surrounds the brain and gives the head its shape
	SWERS: 46. technique, 47. multidisciplinary, 48. onset, 49. medication, 50. irological, 51. genetic, 52. improve, 53. skull

54. He in pain as the injury was severe.
v. to experience a sudden and violent contraction of the muscles, often caused by pain, illness, or emotional distress, or to make someone or something do this
55. Her research team made an important
n. the act or process of finding information, a place, or an object, or learning about something that was previously not known
56. I remembered that person and never forgot.
adv. immediately
57. The will repair my telephone tomorrow morning.
 a person whose job is designing, building, or maintaining something such as machines, structures, or software
58. My grandmother has disease requires special care and attention from her caregivers.
 a neurodegenerative disease that causes memory loss, cognitive decline, and behavioral issues; is the most common cause of dementia in older adults
59. She was in a car accident.
adj. having a physical or mental condition that limits someone's specific actions that most other people can do
60. Her company was affected by the bank's failure.
adv. very badly or seriously
61. He suffers from breakdowns.
adj. worried and anxious about something; relating to the nerves
ANSWERS: 54. convulsed, 55. discovery, 56. instantly, 57. engineer, 58. Alzheimer's, 59. disabled, 60. severely, 61. nervous

62. The penny fell the piano. adv. under or below something else					
63. We cannot her as President. v. to imagine or expect what a situation will be like in the future					
64. The pilot and flight attendant ran through the check-out					
n. a way of doing something, especially the official or well-known way					
65. A wealth of information does not always have a positive impact on					
 a person who makes important decisions, especially at a high level in an organization 					
66. 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					
67. We use adverbs to verbs and adjectives.					
v. to change something slightly, such as a plan, option, law, etc., especially to make it more suitable for a particular purpose					
68. Along the gravel roads, sizeable yellow school buses					
ν . to move forward slowly, as people or animals with their bodies near the ground					
69. He had undergone heart years before.					
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					
ANSWERS: 62. underneath, 63. envision, 64. procedure, 65. decision-makers, 66. individual, 67. modify, 68. crawl, 69. surgery					

70.	The ancient practice of involved various medical conditions.	ved drilling a hole in the skull to treat		
n.	a surgical procedure involving drilling or cutting a hole into the skull to expose the brain, typically to relieve intracranial pressure or for ritual purposes in ancient cultures			
71.	1. She stood on the podium and an a	audience.		
v.	to examine something hastily, with the eyinformation	es or with a machine, to get		
72.	2. Hospitals must meet various standards to p	revent nosocomial		
n.	 a condition in which pathogenic microorga body 	anisms or viruses have entered the		
73.	3. She had a tattoo just above her butto	on.		
n.	the front part of the body below the chest, the rounded or curved part of an object, s			
74.	4. She received special training at t	he hospital.		
	adj. of or relating to the examination and treat theoretical or laboratory studies			
75.	5. The dog was running around	the house, knocking things over.		
adj	adj. excessively or abnormally active, restless children or animals with attention deficit h	•		
76.	Destructive fungi thrive in moist environment the	nts, such as those seen in wounds on		
n.	the main stem or body of a tree which its	oranches grow		
	NSWERS: 70. trepanation, 71. scanned, 72. i yperactive, 76. trunk	nfections, 73. belly, 74. clinical, 75.		

	The evaluation revealed that the patient had been suffering fror anxiety.	n
adj.	of or relating to the treatment or study of mental illness or disorders	
78.	These economic activities had disastrous environmental	
n.	the outcome of a particular action or event, especially relative to an individua	al
79.	The hospital recruited experienced worldwide to treat compleneurological disorders comprehensively.)X
n.	a medical doctor who specializes in the surgical treatment of conditions affecting the nervous system, including the brain, spinal cord, and peripheral nerves	I
30.	Some people with may need to avoid certain activities or sources electromagnetic interference.	s of
n.	a small electronic device that is implanted in the chest to regulate the heartb of people with certain heart conditions; a person or thing that sets the pace of rhythm for others	
81.	Detergent weakens the surface tension at the of two liquids.	
n.	(computer science) a program that controls a display for the user and that allows the user to interact with the system; (chemistry) a surface forming a common boundary between two things	
32.	He never received a even from the company of a close friend.	
n.	an American or Canadian coin worth one-tenth of a dollar	
83.	The nature of the universe is a subject of much debate among scientists.	
adj.	of or relating to time as opposed to eternity	
	SWERS: 77. psychiatric, 78. consequences, 79. neurosurgeons, 80. pacemake interface, 82. dime, 83. temporal	ers,

91.	The to the new class was informative and engaging.
n.	a preliminary explanation or remarks given before the start of a text, performance, or event; the act of bringing something new into existence or introducing something to a wider audience or new market
92. I	decided to seek counseling on the advice of my
n.	one of a group of a coworker, especially in a profession or a business
93. l	He was to share his thoughts on the matter.
adj.	unwilling or hesitant to do something because of doubts or fears
94.	The two plays have many parallels.
adj.	attractive and distinctive enough to draw notice; exceedingly appealing, frequently in an odd manner
95. H	He the phone number and waited for an answer.
v.	to adjust or set the controls of a machine or device by turning a controller called dial; (noun) a disc on a telephone that is rotated a fixed distance for each number called
96.	This virus is in many tropical nations.
adj.	existing very commonly in a particular area or in a specific time
97.	The doctor prescribed some medicine for the mental
n.	an untidy state or a lack of organization; a physical condition or illness that causes problems with how a section of the body or brain functions
98.	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
	WERS: 91. introduction, 92. colleague, 93. reluctant, 94. striking, 95. dialed, 96. alent, 97. disorder, 98. dam

138.	The lobe of the brain is responsible for processing sensory information.			
adj.	relating to or situated near the wall of a body cavity; of, relating to, or involving the walls or outer surfaces of an organ or structure			
139.	Our body transfers information along each using an electrical impulse.			
n.	a cell that is specialized to carry information within the brain and between the brain and other parts of the body			
140.	He tried to his experience to the group, but they couldn't understand.			
v.	to establish a connection or association between two or more things; to narrate or tell about an event, experience, or relationship; to empathize or feel sympathy with someone or something			
141.	The product developed through years of research continues to the market.			
<i>v</i> .	to make a machine or system work by using electricity; to make someone extremely enthusiastic about or interested in something			
142.	The in the relationship was causing problems for both partners.			
n.	a problem or fault in a system, organism, or part of the body or machine			
143.	The accident made his vision			
<i>v</i> .	to damage something or make it weaker or worse			
144.	The bad caused several buildings to collapse.			
n.	a small earthquake or shaking or vibrating			
145.	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			
	WERS: 138. parietal, 139. neuron, 140. relate, 141. electrify, 142. dysfunction, impaired, 144. tremor, 145. vision			

/ocab-Builder Ref from	"Andres Lozano: Parkinson's,	depression and the sw	ritch that might turn them	off TED Talk" (153 words
ANSWERS:				