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Vocabulary Builder Reference from...

Sam Kean: What happens when you remove the hippocampus? | TED Talk

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

All Words

IMPORTANT

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Session 1: Word List

crank

n. a mechanical device that converts rotary motion into linear motion or vice versa; an eccentric or unpredictable person

synonym: eccentric, oddball, kook

(1) **crank** handle, (2) **crank** caller

The fishing reel had a **crank** that made it easy to reel in the catch.

drill

n. a tool or machine used for making round holes or driving fasteners; a training or practice

synonym: exercise, routine, training

(1) the **drill** hit the well, (2) fire **drill**

Several military **drill** programs have become popular methods of exercise.

bore

v. to make someone feel weary or uninterested, often by talking at length about uninteresting or mundane topics; to cause someone to feel bored or unengaged; (noun) a hole or tunnel drilled or dug into the ground, either for exploration or extraction of natural resources

synonym: bear, tire, weary

(1) **bore** diameter, (2) **bore** him with his stories

The lecture on quantum physics **bored** me to tears.

skull

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

synonym : cranium, scalp, brain

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

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

vital

adj. necessary for the success or continued existence of something

synonym : critical, crucial, invigorating

(1) play a **vital** role, (2) **vital** for a healthy society

Perseverance and optimism are **vital** to success.

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**.

tube

n. a cylindrical container of metal, plastic, glass, etc., usually sealed and used as a means of preserving food or chemicals; a hollow cylindrical shape

synonym : pipe, hose, duct

(1) a capillary **tube**, (2) a glass **tube**

The **tube** train was packed with commuters during rush hour.

horror

n. intense fear or disgust, especially at something shocking or terrifying

synonym : fear, terror, dread

(1) **horror** movie, (2) **horror-struck** look

The stories of war crimes filled her with **horror**.

gruesome

adj. causing horror or disgust

synonym : appalling, horrific, terrible

(1) hear **gruesome** details, (2) **gruesome** accident

The **gruesome** crime scene was difficult for the detectives to stomach.

renowned

adj. famous and respected for great achievements, qualities, etc.

synonym : noted, prominent, acclaimed

(1) a **renowned** artist, (2) **renowned** as a novelist

This area is **renowned** for its hot springs.

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.

patient

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

synonym : client, recipient, subject

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

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

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.

insight

n. the ability to gain an accurate and deep understanding of people or situations; an accurate and deep understanding of what something is like

synonym : wisdom, discernment, understanding

(1) a profound **insight**, (2) share my **insights**

We gained various **insights** by analyzing the vast amount of data owned by the company.

crack

v. to break or cause to break without dividing into separate parts; (noun) a line on the surface of something along which it has separated without breaking

synonym: snap, burst, break

(1) **crack** an eggshell, (2) a **crack** in a board

He that would eat the kernel must **crack** the nut.

accident

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

synonym: calamity, casualty, chance

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

The **accident** partially destroyed my vehicle.

seizure

n. the action of taking something from somebody by the use of legal authority; a sudden occurrence or recurrence of a disease

synonym: confiscation, expropriation, takeover

(1) **seizure** of a debtor's property, (2) a heart **seizure**

Customs have made their biggest ever **seizure** of cocaine.

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**.

frequent

adj. happening constantly

synonym: periodic, recurring, routine

(1) **frequent** absence, (2) **frequent** use

His heartaches are less **frequent** now.

episode

n. a happening or story that is distinctive in a series of related events; an abrupt short period during which someone suffers from the effects of a physical or mental illness

synonym: event, chapter, seizure

(1) end of the first **episode**, (2) **episode** of vertigo

I want to put that **episode** of my life behind me.

desperate

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

synonym: anguish, frantic, hopeless

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

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

daredevil

n. a person who takes unnecessary risks, especially involving physical feats or dangerous activities, often for entertainment or thrill-seeking purposes; someone who is fearless and daring

synonym: adventurer, risk-taker, hothead

(1) reckless **daredevil**, (2) **daredevil** acrobat

The **daredevil's** death-defying stunt left the audience in awe.

risky

adj. involving the possibility of danger, failure, or loss

synonym: dangerous, perilous, scary

(1) change **risky** behavior, (2) a **risky** enterprise

It is extremely **risky** to sail in such a storm.

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.

partial

adj. not complete; fragmentary; favoring somebody or something very much

synonym : limited, incomplete, partisan

(1) **partial** withdrawal, (2) **partial** knowledge

Although some progress had been made, the study's findings were **partial**.

lobotomy

n. a surgical procedure in which a section of the brain is removed or disconnected from the rest of the brain, often used as a treatment for mental illness in the past

synonym : brain surgery, prefrontal lobotomy, psychosurgery

(1) **lobotomy** procedure, (2) prefrontal **lobotomy**

Lobotomy surgery was once a common treatment for mental illness, but it is now considered unethical.

strict

adj. strongly limiting someone's freedom; allowing no deviation from a standard, rule, belief, etc.

synonym : rigorous, inflexible, relentless

(1) **strict** compliance regime, (2) in **strict** secrecy

Too **strict** a regulation for the private sector will stifle innovation.

corresponding

adj. similar to, connected with, or accompanying something, especially in position or purpose

synonym : matching, equivalent, analogous

(1) find a **corresponding** lack, (2) the **corresponding** word in Spanish

The **corresponding** number on the dial was 3.

psychotic

adj. relating to or characterized by a loss of touch with reality; exhibiting or suffering from a severe mental disorder characterized by delusions, hallucinations, or disordered thinking

synonym : deranged, unstable, certifiable

(1) **psychotic** medication, (2) **psychotic** episode

Her husband's death caused her to experience a **psychotic** break.

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.

hippocampus

n. a major component of the brain of humans and other vertebrates that is part of the limbic system and is vital for memory

(1) involvement of the **hippocampus**, (2) neurons in the **hippocampus**

The **hippocampus** is crucial for learning and memory storage.

limbic

adj. of or relating to the system of the brain that supports a variety of functions, including emotion, behavior, long-term memory, and olfaction

(1) **limbic** cortex, (2) **limbic** epilepsy

The **limbic** brain region responded readily to negative or sad sounds.

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.

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.

glance

v. to give a quick or brief look; to hit something at an angle
synonym: glimpse, peek, flash

(1) **glance** around nervously, (2) **glance** at him miserably
I casually **glanced** into the small hut.

virtually

adv. almost completely
synonym: almost, basically, nearly

(1) **virtually** all countries, (2) **virtually** identical
Virtually all the parties signed the contract.

disappear

v. to cease to exist or be visible
synonym: fade, evaporate, vanish

(1) **disappear** without a trace, (2) **disappear** after a week
They watched the train **disappear** into the distance.

improvisation

n. the act of making something up on the spot or creating or performing something without preparation
synonym: spontaneity, ad-lib, extemporization

(1) **improvisation** on stage, (2) jazz **improvisation**
He created a beautiful piece of music using only **improvisation**.

row

n. an arrangement of objects or people side by side in a line; (verb) to propel a boat through the water using oars
synonym: line, sequence, layer

(1) criminal on death **row**, (2) a **row** of cherry trees
He was the leader of the demonstrators and spoke out against the war in the front **row**.

ph

n. a measure of the acidity or alkalinity of a substance, on a scale of 0 to 14, with seven being neutral, lower values indicating greater acidity, and higher values indicating greater alkalinity

synonym: acidity, alkalinity, balance

(1) **pH** value of seven, (2) **ph** scale
The **ph** level of this soil is too acidic for these types of plants.

- odd** *adj.* strange or unexpected; not divisible by two
synonym : strange, bizarre, abnormal
(1) in an **odd** way, (2) **odd** behavior
His grandfather was an **odd** man.
- classic** *adj.* judged or deserving to be regarded as one of the best or most important of its kind over a period of time; of a well-known type
synonym : definitive, traditional, typical
(1) a **classic** experiment, (2) Chinese **classic** literature
He displayed the **classic** symptoms of depression.
- discovery** *n.* 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**.
- contribute** *v.* to give something, especially money or goods, to provide or achieve something together with other people
synonym : donate, devote, commit
(1) **contribute** a large sum of money to the fund,
(2) **contribute** to society
Government workers cannot **contribute** to political campaigns.
- greatly** *adv.* to an extraordinary extent or degree; very much
synonym : enormously, broadly, grandly
(1) **greatly** affect the situation, (2) **greatly** support that player
They **greatly** admired our actions.
- redefine** *v.* to change the meaning or interpretation of something; to make people think about something in a new or different way

synonym : reconsider, reformulate, alter

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

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

obvious

adj. easy to see, discover or understand

synonym : apparent, conspicuous, evident

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

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

retain

v. to keep or continue to possess or maintain something

synonym : possess, hold, keep on

(1) **retain** information, (2) **retain** a lawyer

Computers help people **retain** specific memories.

random

adj. made, done, or happening without method, conscious decision, or any regular pattern

synonym : incidental, arbitrary, unanticipated

(1) a **random** choice, (2) bombs fell at **random**

To find drunk drivers, police conduct **random** tests.

constantly

adv. all the time

synonym : continuously, always, frequently

(1) a **constantly** innovative enterprise, (2) a **constantly** varying mind

The mobile application industry is **constantly** changing.

monolithic

adj. characterized by massiveness, rigidity, and uniformity

synonym : massive, monumental, hulking

(1) **monolithic** block, (2) **monolithic** system

Big technology companies try to integrate customers' data into **monolithic** applications.

essentially

adv. relating to the essential features or concepts of anything

synonym : fundamentally, basically, virtually

(1) **essentially** correct, (2) become **essentially** same
Essentially, a society is an organism.

clue

n. an object, a piece of evidence, or some information that helps someone to find the answer to a problem, question, or mystery

synonym: hint, indication, inkling

(1) a **clue** about the crime, (2) a **clue** to the diagnosis

The police couldn't find a **clue** to her whereabouts.

distinction

n. a difference or contrast between similar things or people

synonym: eminence, noteworthiness, excellence

(1) important **distinction**, (2) draw a **distinction**

I can't see any **distinction** between these two concepts.

involve

v. 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.

immediate

adj. happening or done without delay or occurring shortly after something else

synonym: prompt, quick, instantaneous

(1) take **immediate** effect, (2) the **immediate** past

Both forts were subject to **immediate** attacks.

temporarily

adv. for a limited time only or not permanently

synonym: for a time

(1) a hut made **temporarily**, (2) **temporarily** suspend the production

Some athletes take anabolic steroids to increase muscle size **temporarily**.

transcribe

v. to copy or reproduce something in written or printed form; to translate spoken language into written text

synonym: copy, record, transliterate

(1) **transcribe** notes, (2) **transcribe** documents

She needs to **transcribe** the interview recording to write the article for the magazine.

neuron

n. 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.

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.

protein

n. a molecule made up of a long chain of amino acids, which is essential for the structure and function of the body's tissues

(1) stress **protein**, (2) **protein** synthesis

The body needs a certain amount of **protein** to build and repair tissues.

strengthen

v. to become stronger or more effective; to make someone or something stronger or more effective

synonym: reinforce, harden, boost

(1) **strengthen** the immune system, (2) **strengthen** a border patrol

Difficulties **strengthen** the mind, as labor does the body.

cortical

adj. relating to or located in the outer layer of an organ or body structure, particularly the cortex of the brain

(1) **cortical** neurons, (2) **cortical** activity

The MRI showed activity in the **cortical** region of the patient's

brain.

synapse

n. the fact or state of failing to finish an activity and of stopping using, making, or doing it

(1) **synapse** circuit, (2) end at a **synapse**

Animals transmit nerve impulses through **synapses**.

recall

v. to remember something

synonym: remember, retrieve, recollect

(1) **recall** the incident, (2) **recall** his name

She vividly **recalls** getting laid off several years ago.

transfer

v. to move, pass, or change from one person, place, or situation to another

synonym: move, relocate, shift

(1) **transfer** a file, (2) **transfer** power

She **transferred** the money from her savings account to her checking account.

permanent

adj. lasting for a long time without essential change

synonym: lasting, ceaseless, endless

(1) literature of **permanent** value, (2) **permanent** life insurance

She is searching for a **permanent** residence.

storage

n. the act or process of putting in and keeping something in a particular place for use in the future; an electronic memory device that can store information

synonym: storehouse, depository, warehousing

(1) a **storage** battery, (2) **storage** at low temperature

We store customer data in cloud **storage**.

initial

adj. of or happening at the beginning; (noun) the first letter of a word, especially a person's name

synonym: basic, primary, beginning

(1) **initial** velocity, (2) an **initial** letter

They took the **initial** step toward reconciliation.

impressive

adj. arousing admiration due to size, quality, or skill

synonym: impactful, remarkable, exceptional

(1) **impressive** performances, (2) an **impressive** array of facts

The budget reduction was an **impressive** feat for our nation.

consolidate

v. to make something more vital, more solid, or more certain

synonym: crystallize, concentrate, cement

(1) **consolidate** his debt, (2) **consolidate** a leadership

The two universities will **consolidate** in July next year.

erode

v. to gradually wear away or break down (rock, soil, or other material) through the action of wind, water, or other natural agents; to gradually weaken or undermine (something) over time

synonym: wear away, deteriorate, corrode

(1) **erode** coast, (2) **erode** trust

The ongoing budget cuts have **eroded** the quality of education in many schools.

scrawl

v. to write or draw something in a careless or untidy way, often with difficulty or haste

synonym: scribble, scratch, squiggle

(1) **scrawl** my signature, (2) **scrawl** a message

She quickly **scrawled** her phone number on paper before running out the door.

sand

n. finely granulated particles of rock or mineral material typically found along beaches, deserts, or riverbeds; used in construction, landscaping, and other applications requiring drainage or abrasive action

synonym: grit, dust, powder

(1) **sand** dunes, (2) **sand** castle

The **sand** on the beach was warm and golden.

experiment

n. the scientific test conducted to observe what happens and gain new knowledge

synonym: experimentation, investigation

(1) **experiment** design, (2) series of **experiments**

His **experiments** showed highly positive results.

trace

v. to find or discover someone or something that was lost

synonym: seek, follow, depict

(1) **trace** a telephone call, (2) **trace** back to medieval times

Let's **trace** the origins of some familiar foreign words.

outline

v. to describe the main facts or aspects involved in something

synonym: recap, summarize, digest

(1) **outlined** the plan, (2) **outline** the findings

This page **outlines** our response planning for an emergency.

concentric

adj. having a common center, with circles or spheres that share a common center point; having shapes or forms that are aligned or nested within one another

synonym: homocentric, nested, circular

(1) **concentric** design, (2) **concentric** shades of color

Concentric circles surrounded the target on the shooting range.

awkward

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

synonym: embarrassing, discomfiting, clumsy

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

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

horrible

adj. extremely unpleasant or bad; causing fear or disgust

synonym: dreadful, terrible, awful

(1) **horrible** accident, (2) **horrible** smell

The experience was **horrible** and left a lasting impression.

surprisingly

adv. in a way that causes amazement or wonder

synonym : exceptionally, notably, unusually

(1) **surprisingly** advanced culture, (2) have **surprisingly** little effect

The exam was **surprisingly** tricky for everyone.

attempt

n. an act or effort of trying to do something, especially something difficult

synonym : endeavor, effort, try

(1) the **attempt** to rescue the hostages, (2) a reckless **attempt**

The third **attempt** was far more successful.

unconscious

adj. in the state of lacking awareness and the capacity for sensory perception, especially as the result of a head injury or illness

synonym : comatose, paralyzed, senseless

(1) **unconscious** bias, (2) a person who is **unconscious**

I know his **unconscious** habit that he touches his face when he lies.

motor

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

synonym : actuator, engine, machine

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

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

conscious

adj. being aware of and able to respond to what is happening around you

synonym : aware, cognizant, deliberate

(1) **conscious** effort, (2) **conscious** of having succeeded

He became **conscious** that he was being followed.

declarative

adj. relating to or functioning as a statement or assertion; making a declaration or assertion

synonym : assertive, conclusive, indicative

(1) **declarative** statement, (2) **declarative** programming language

Using a **declarative** tone, the teacher clarified that cheating was not tolerated.

procedure

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

synonym: action, approach, course

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

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

rely

v. to require a specific thing or the assistance and support of someone or something to continue, run properly, or succeed.

synonym: depend, count, lean

(1) **rely** on convenience stores, (2) **rely** entirely on him

Babies heavily **rely** on others for food.

basal

adj. forming or belonging to a bottom layer or base of something

synonym: beginning, rudimentary, introductory

(1) **basal** activity, (2) **basal** cells in the skin

The patient has to keep a record of **basal** body temperature.

ganglion

n. a group of nerve cells located outside the brain and spinal cord, often forming a swelling or knot; responsible for controlling certain bodily functions or movements

synonym: nerve center, nervous system

(1) **ganglion** cyst, (2) spinal **ganglion**

The patient's **ganglion** was causing severe pain in their wrist.

cerebellum

n. the part of the brain at the back of the head that plays an important role in motor control, balance, and coordination

(1) **cerebellum** function, (2) development of **cerebellum**

An injury to the **cerebellum** can cause difficulty with walking,

speaking, and maintaining posture.

structure

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

synonym: construction, architecture, establishment

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

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

intact

adj. undamaged and complete

synonym: flawless, unchanged, entire

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

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

underpin

v. to support or strengthen the foundations of something

synonym: support, foundation, base

(1) **underpin** a structure, (2) **underpin** democratization

The research findings **underpin** the theory that human activities cause global warming.

peaceful

adj. not involving violence, conflict, or war

synonym: friendly, pacific, amicable

(1) **peaceful** country, (2) **peaceful** coexistence

Plutonium has limited **peaceful** applications.

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.

examine

v. to study or consider a person or object attentively and thoroughly to learn something about them

synonym: study, probe, analyze

(1) **examine** the data studiously, (2) **examine** the issue

Initially, we must **examine** all project-related expenses.

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**.

preserve

v. to keep or maintain a particular quality, feature, etc., especially to prevent it from decaying, being damaged, or being destroyed

synonym: conserve, care for, maintain

(1) **preserve** my strength, (2) **preserve** a country's heritage

They worked hard to **preserve** the nature of their native lands.

scan

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.

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.

slice

n. a flat, often thin, piece of bread, meat, cheese, etc., that has been cut from a larger piece; a wound made by cutting

synonym: piece, portion, slit

(1) a **slice** of the company's revenue, (2) **slice** a tomato thin
The children complained because one **slice** of cake was slightly larger than the other.

photograph

n. a picture or image that is produced by a camera; a visual representation or record of a person, object, or scene that has been captured electronically or on film
synonym : photo, picture, snapshot

(1) **photograph** album, (2) **photograph** memories

I found an old **photograph** of my grandparents from their wedding day.

digital

adj. processing or storing information as a succession of 1 and 0 to show that a signal is present or missing; relating to the use of computer technology, especially the internet

synonym : numerical, computerized, cyber

(1) a **digital** watch, (2) **digital** electronic signature

Sensors convert physical phenomena into **digital** signals.

broadcast

v. to send out a program or some information on radio or television

synonym : air, announce, advertise

(1) **broadcast** a concert, (2) **broadcast** a radio ad

Most of the programs are **broadcast** in this area.

contribution

n. the act of giving something, especially money, to a particular cause or organization; a voluntary gift as of money or service or ideas made to some worthwhile cause

synonym : donation, gift, offering

(1) make a positive **contribution**, (2) **contribution** to society

His **contribution** to the charity was a generous donation of money.

Session 2: Spelling

1. s__d dunes
n. finely granulated particles of rock or mineral material typically found along beaches, deserts, or riverbeds; used in construction, landscaping, and other applications requiring drainage or abrasive action
2. un____in a structure
v. to support or strengthen the foundations of something
3. series of exp____nts
n. the scientific test conducted to observe what happens and gain new knowledge
4. literature of pe____nt value
adj. lasting for a long time without essential change
5. a ra____m choice
adj. made, done, or happening without method, conscious decision, or any regular pattern
6. a cl____c experiment
adj. judged or deserving to be regarded as one of the best or most important of its kind over a period of time; of a well-known type
7. ind____al freedom
n. a single person or thing, as distinct from a group
8. 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
9. con____ic shades of color
adj. having a common center, with circles or spheres that share a common center point; having shapes or forms that are aligned or nested within one another

ANSWERS: 1. sand, 2. underpin, 3. experiment, 4. permanent, 5. random, 6. classic, 7. individual, 8. neurosurgeon, 9. concentric

10. pe____ul coexistence *adj.* not involving violence, conflict, or war
11. immune fu____on *n.* the purpose or use of an object, system, or process; a particular activity or operation that is designed to serve a specific purpose; a mathematical concept that describes a relationship between two sets of values, called the input and output sets; (verb) to operate or work in a specific way, or to perform a particular task or purpose
12. con____te a large sum of money to the fund *v.* to give something, especially money or goods, to provide or achieve something together with other people
13. gl____e around nervously *v.* to give a quick or brief look; to hit something at an angle
14. permanent br__n damage *n.* the organ inside the head that is responsible for one's movement, thought, memory, and feeling
15. in____e a high degree of risk *v.* to include or affect someone or something as a necessary part of something else
16. sc____l a message *v.* to write or draw something in a careless or untidy way, often with difficulty or haste
17. str____en the immune system *v.* to become stronger or more effective; to make someone or something stronger or more effective
18. hear gr____me details *adj.* causing horror or disgust
19. de____te attempt *adj.* feeling or showing a lack of hope and a willingness to do anything because of the problematic situation

ANSWERS: 10. peaceful, 11. function, 12. contribute, 13. glance, 14. brain, 15. involve, 16. scrawl, 17. strengthen, 18. gruesome, 19. desperate

20. excite the ne___ns
n. a cell that is specialized to carry information within the brain and between the brain and other parts of the body
21. str_____en a border patrol
v. to become stronger or more effective; to make someone or something stronger or more effective
22. his conclusion was ob_____s
adj. easy to see, discover or understand
23. Chinese cl_____c literature
adj. judged or deserving to be regarded as one of the best or most important of its kind over a period of time; of a well-known type
24. a re_____ed artist
adj. famous and respected for great achievements, qualities, etc.
25. b__e him with his stories
v. to make someone feel weary or uninterested, often by talking at length about uninteresting or mundane topics; to cause someone to feel bored or unengaged; (noun) a hole or tunnel drilled or dug into the ground, either for exploration or extraction of natural resources
26. ho_____le smell
adj. extremely unpleasant or bad; causing fear or disgust
27. prefrontal lo_____my
n. a surgical procedure in which a section of the brain is removed or disconnected from the rest of the brain, often used as a treatment for mental illness in the past
28. cr__k caller
n. a mechanical device that converts rotary motion into linear motion or vice versa; an eccentric or unpredictable person

ANSWERS: 20. neuron, 21. strengthen, 22. obvious, 23. classic, 24. renowned, 25. bore, 26. horrible, 27. lobotomy, 28. crank

29. mon_____ic system *adj.* characterized by massiveness, rigidity, and uniformity
30. imp_____ion on stage *n.* the act of making something up on the spot or creating or performing something without preparation
31. br_____st a concert *v.* to send out a program or some information on radio or television
32. basic br__n function *n.* the organ inside the head that is responsible for one's movement, thought, memory, and feeling
33. di_____l electronic signature *adj.* processing or storing information as a succession of 1 and 0 to show that a signal is present or missing; relating to the use of computer technology, especially the internet
34. control my em_____n *n.* a strong feeling such as love, anger, etc. deriving from one's situation, mood, or relationships with others
35. con_____te to society *v.* to give something, especially money or goods, to provide or achieve something together with other people
36. pe_____nt life insurance *adj.* lasting for a long time without essential change
37. con_____ion to society *n.* the act of giving something, especially money, to a particular cause or organization; a voluntary gift as of money or service or ideas made to some worthwhile cause
38. the cor_____ing word in Spanish *adj.* similar to, connected with, or accompanying something, especially in position or purpose

ANSWERS: 29. monolithic, 30. improvisation, 31. broadcast, 32. brain, 33. digital, 34. emotion, 35. contribute, 36. permanent, 37. contribution, 38. corresponding

39. standard pr_____re
n. a way of doing something, especially the official or well-known way
40. tem_____ly suspend the production
adv. for a limited time only or not permanently
41. di_____ar without a trace
v. to cease to exist or be visible
42. a heart se_____e
n. the action of taking something from somebody by the use of legal authority; a sudden occurrence or recurrence of a disease
43. in_____e a lot of paperwork
v. to include or affect someone or something as a necessary part of something else
44. am_____g advances
adj. extremely surprising, especially in a way that you like or admire
45. co_____al neurons
adj. relating to or located in the outer layer of an organ or body structure, particularly the cortex of the brain
46. share my in_____ts
n. the ability to gain an accurate and deep understanding of people or situations; an accurate and deep understanding of what something is like
47. an aw_____d date
adj. making you feel uncomfortable or embarrassed; causing inconvenience or difficulty
48. criminal on death r_w
n. an arrangement of objects or people side by side in a line; (verb) to propel a boat through the water using oars
49. sl__e a tomato thin
n. a flat, often thin, piece of bread, meat, cheese, etc., that has been cut from a larger piece; a wound made by cutting

ANSWERS: 39. procedure, 40. temporarily, 41. disappear, 42. seizure, 43. involve, 44. amazing, 45. cortical, 46. insight, 47. awkward, 48. row, 49. slice

50. afraid to show em____n *n.* a strong feeling such as love, anger, etc. deriving from one's situation, mood, or relationships with others
51. the at____t to rescue the hostages *n.* an act or effort of trying to do something, especially something difficult
52. a hut made tem____ly *adv.* for a limited time only or not permanently
53. injury in a car ac____nt *n.* an unfortunate event, especially one causing damage or injury
54. an imp____ve array of facts *adj.* arousing admiration due to size, quality, or skill
55. pho____ph album *n.* a picture or image that is produced by a camera; a visual representation or record of a person, object, or scene that has been captured electronically or on film
56. re____l the incident *v.* to remember something
57. as____te with people widely *v.* to mentally connect someone or something with someone or something else
58. an in____l letter *adj.* of or happening at the beginning; (noun) the first letter of a word, especially a person's name
59. s__n the face of the man *v.* to examine something hastily, with the eyes or with a machine, to get information
60. li____c epilepsy *adj.* of or relating to the system of the brain that supports a variety of functions, including emotion, behavior, long-term memory, and olfaction

ANSWERS: 50. emotion, 51. attempt, 52. temporarily, 53. accident, 54. impressive, 55. photograph, 56. recall, 57. associate, 58. initial, 59. scan, 60. limbic

61. fu____on properly *n.* the purpose or use of an object, system, or process; a particular activity or operation that is designed to serve a specific purpose; a mathematical concept that describes a relationship between two sets of values, called the input and output sets; (verb) to operate or work in a specific way, or to perform a particular task or purpose
62. make a positive con_____ion *n.* the act of giving something, especially money, to a particular cause or organization; a voluntary gift as of money or service or ideas made to some worthwhile cause
63. re___l his name *v.* to remember something
64. a ri___y enterprise *adj.* involving the possibility of danger, failure, or loss
65. ba___l cells in the skin *adj.* forming or belonging to a bottom layer or base of something
66. the most am_____g feeling *adj.* extremely surprising, especially in a way that you like or admire
67. end at a sy_____e *n.* the fact or state of failing to finish an activity and of stopping using, making, or doing it
68. vi___l for a healthy society *adj.* necessary for the success or continued existence of something
69. st_____re and function of the brain *n.* the way of construction of something and the arrangement of its parts, or a complex thing constructed of many parts

ANSWERS: 61. function, 62. contribution, 63. recall, 64. risky, 65. basal, 66. amazing, 67. synapse, 68. vital, 69. structure

70. an aw____d expression *adj.* making you feel uncomfortable or embarrassed; causing inconvenience or difficulty
71. ou____e the findings *v.* to describe the main facts or aspects involved in something
72. pr____ve my strength *v.* to keep or maintain a particular quality, feature, etc., especially to prevent it from decaying, being damaged, or being destroyed
73. a mo__r mechanic *n.* a device that converts electricity, fuel, etc. into movement and makes a machine, vehicle, etc. work
74. re____ne our role *v.* to change the meaning or interpretation of something; to make people think about something in a new or different way
75. cause an ac____nt *n.* an unfortunate event, especially one causing damage or injury
76. have a thick sk__l *n.* a bone framework that surrounds the brain and gives the head its shape
77. ho____r movie *n.* intense fear or disgust, especially at something shocking or terrifying
78. sk__l fracture *n.* a bone framework that surrounds the brain and gives the head its shape
79. ps____ic episode *adj.* relating to or characterized by a loss of touch with reality; exhibiting or suffering from a severe mental disorder characterized by delusions, hallucinations, or disordered thinking

ANSWERS: 70. awkward, 71. outline, 72. preserve, 73. motor, 74. redefine, 75. accident, 76. skull, 77. horror, 78. skull, 79. psychotic

80. vi_____ly identical *adv.* almost completely
81. pr_____ve a country's heritage *v.* to keep or maintain a particular quality, feature, etc., especially to prevent it from decaying, being damaged, or being destroyed
82. in an o_d way *adj.* strange or unexpected; not divisible by two
83. ex_____e the data studiously *v.* to study or consider a person or object attentively and thoroughly to learn something about them
84. a cr__k in a board *v.* to break or cause to break without dividing into separate parts; (noun) a line on the surface of something along which it has separated without breaking
85. a con_____ly innovative enterprise *adv.* all the time
86. visual co____x neuron *n.* the outermost layer of an organ, especially the brain
87. jazz imp_____ion *n.* the act of making something up on the spot or creating or performing something without preparation
88. fr_____nt absence *adj.* happening constantly
89. di_____ar after a week *v.* to cease to exist or be visible
90. ou_____ed the plan *v.* to describe the main facts or aspects involved in something
91. co_____us effort *adj.* being aware of and able to respond to what is happening around you
92. development of cer_____um *n.* the part of the brain at the back of the head that plays an important role in motor control, balance, and coordination

ANSWERS: 80. virtually, 81. preserve, 82. odd, 83. examine, 84. crack, 85. constantly, 86. cortex, 87. improvisation, 88. frequent, 89. disappear, 90. outline, 91. conscious, 92. cerebellum

93. imp_____ve performances *adj.* arousing admiration due to size, quality, or skill
94. co_____us of having succeeded *adj.* being aware of and able to respond to what is happening around you
95. in_____l velocity *adj.* of or happening at the beginning; (noun) the first letter of a word, especially a person's name
96. 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
97. br_____st a radio ad *v.* to send out a program or some information on radio or television
98. ho_____le accident *adj.* extremely unpleasant or bad; causing fear or disgust
99. sur_____gly advanced culture *adv.* in a way that causes amazement or wonder
100. the st_____re of a machine *n.* the way of construction of something and the arrangement of its parts, or a complex thing constructed of many parts
101. pho_____ph memories *n.* a picture or image that is produced by a camera; a visual representation or record of a person, object, or scene that has been captured electronically or on film
102. tr_____er power *v.* to move, pass, or change from one person, place, or situation to another
103. as_____te alcohol with gambling *v.* to mentally connect someone or something with someone or something else

ANSWERS: 93. impressive, 94. conscious, 95. initial, 96. nurse, 97. broadcast, 98. horrible, 99. surprisingly, 100. structure, 101. photograph, 102. transfer, 103. associate

104. ess_____ly correct *adv.* relating to the essential features or concepts of anything
105. r__y on convenience stores *v.* to require a specific thing or the assistance and support of someone or something to continue, run properly, or succeed.
106. con_____te his debt *v.* to make something more vital, more solid, or more certain
107. ne___n cell body *n.* a cell that is specialized to carry information within the brain and between the brain and other parts of the body
108. draw a dis_____on *n.* a difference or contrast between similar things or people
109. ho___r-struck look *n.* intense fear or disgust, especially at something shocking or terrifying
110. a con_____ly varying mind *adv.* all the time
111. a reckless at_____t *n.* an act or effort of trying to do something, especially something difficult
112. tra_____be documents *v.* to copy or reproduce something in written or printed form; to translate spoken language into written text
113. un_____in democratization *v.* to support or strengthen the foundations of something
114. co_____al activity *adj.* relating to or located in the outer layer of an organ or body structure, particularly the cortex of the brain

ANSWERS: 104. essentially, 105. rely, 106. consolidate, 107. neuron, 108. distinction, 109. horror, 110. constantly, 111. attempt, 112. transcribe, 113. underpin, 114. cortical

115. pH value of seven *n.* a measure of the acidity or alkalinity of a substance, on a scale of 0 to 14, with seven being neutral, lower values indicating greater acidity, and higher values indicating greater alkalinity
116. vi_____ly all countries *adv.* almost completely
117. the dr__l hit the well *n.* a tool or machine used for making round holes or driving fasteners; a training or practice
118. cr__k handle *n.* a mechanical device that converts rotary motion into linear motion or vice versa; an eccentric or unpredictable person
119. a private ind_____al *n.* a single person or thing, as distinct from a group
120. a di_____l watch *adj.* processing or storing information as a succession of 1 and 0 to show that a signal is present or missing; relating to the use of computer technology, especially the internet
121. li___c cortex *adj.* of or relating to the system of the brain that supports a variety of functions, including emotion, behavior, long-term memory, and olfaction
122. tr__e back to medieval times *v.* to find or discover someone or something that was lost
123. b__e diameter *v.* to make someone feel weary or uninterested, often by talking at length about uninteresting or mundane topics; to cause someone to feel bored or unengaged; (noun) a hole or tunnel drilled or dug into the ground, either for exploration or extraction of natural resources

ANSWERS: 115. ph, 116. virtually, 117. drill, 118. crank, 119. individual, 120. digital, 121. limbic, 122. trace, 123. bore

124. fire dr__l *n.* a tool or machine used for making round holes or driving fasteners; a training or practice
125. re____ed as a novelist *adj.* famous and respected for great achievements, qualities, etc.
126. have sur_____gly little effect *adv.* in a way that causes amazement or wonder
127. gr_____y affect the situation *adv.* to an extraordinary extent or degree; very much
128. gr_____y support that player *adv.* to an extraordinary extent or degree; very much
129. the great di_____ry 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
130. ga_____on cyst *n.* a group of nerve cells located outside the brain and spinal cord, often forming a swelling or knot; responsible for controlling certain bodily functions or movements
131. pr_____n synthesis *n.* a molecule made up of a long chain of amino acids, which is essential for the structure and function of the body's tissues
132. a st_____e battery *n.* the act or process of putting in and keeping something in a particular place for use in the future; an electronic memory device that can store information

ANSWERS: 124. drill, 125. renowned, 126. surprisingly, 127. greatly, 128. greatly, 129. discovery, 130. ganglion, 131. protein, 132. storage

133. re___n a lawyer *v.* to keep or continue to possess or maintain something
134. undergo a surgical pr_____re *n.* a way of doing something, especially the official or well-known way
135. ph scale *n.* a measure of the acidity or alkalinity of a substance, on a scale of 0 to 14, with seven being neutral, lower values indicating greater acidity, and higher values indicating greater alkalinity
136. 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
137. da_____il acrobat *n.* a person who takes unnecessary risks, especially involving physical feats or dangerous activities, often for entertainment or thrill-seeking purposes; someone who is fearless and daring
138. bombs fell at ra___m *adj.* made, done, or happening without method, conscious decision, or any regular pattern
139. involvement of the hip_____us *n.* a major component of the brain of humans and other vertebrates that is part of the limbic system and is vital for memory
140. the im_____te past *adj.* happening or done without delay or occurring shortly after something else

ANSWERS: 133. retain, 134. procedure, 135. ph, 136. surgery, 137. daredevil, 138. random, 139. hippocampus, 140. immediate

141. con_____ic design *adj.* having a common center, with circles or spheres that share a common center point; having shapes or forms that are aligned or nested within one another
142. 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
143. important dis_____on *n.* a difference or contrast between similar things or people
144. re_____ne customer experience *v.* to change the meaning or interpretation of something; to make people think about something in a new or different way
145. dec_____ve programming language *adj.* relating to or functioning as a statement or assertion; making a declaration or assertion
146. er__e trust *v.* to gradually wear away or break down (rock, soil, or other material) through the action of wind, water, or other natural agents; to gradually weaken or undermine (something) over time
147. s__n a document into PDF *v.* to examine something hastily, with the eyes or with a machine, to get information
148. a person who is unc_____us *adj.* in the state of lacking awareness and the capacity for sensory perception, especially as the result of a head injury or illness
149. spinal ga_____on *n.* a group of nerve cells located outside the brain and spinal cord, often forming a swelling or knot; responsible for controlling certain bodily functions or movements

ANSWERS: 141. concentric, 142. nurse, 143. distinction, 144. redefine, 145. declarative, 146. erode, 147. scan, 148. unconscious, 149. ganglion

150. r__y entirely on him *v.* to require a specific thing or the assistance and support of someone or something to continue, run properly, or succeed.
151. tr_____er a file *v.* to move, pass, or change from one person, place, or situation to another
152. lo_____my procedure *n.* a surgical procedure in which a section of the brain is removed or disconnected from the rest of the brain, often used as a treatment for mental illness in the past
153. a capillary t__e *n.* a cylindrical container of metal, plastic, glass, etc., usually sealed and used as a means of preserving food or chemicals; a hollow cylindrical shape
154. the branch of neu_____nce *n.* the scientific study of the function, structure, and disorder of the brain and the nervous system
155. in___t brain *adj.* undamaged and complete
156. in st___t secrecy *adj.* strongly limiting someone's freedom; allowing no deviation from a standard, rule, belief, etc.
157. 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
158. sy_____e circuit *n.* the fact or state of failing to finish an activity and of stopping using, making, or doing it

ANSWERS: 150. rely, 151. transfer, 152. lobotomy, 153. tube, 154. neuroscience, 155. intact, 156. strict, 157. neurosurgeon, 158. synapse

159. pe____ul country *adj.* not involving violence, conflict, or war
160. neurons in the hip____us *n.* a major component of the brain of humans and other vertebrates that is part of the limbic system and is vital for memory
161. pa____t in the hospital *n.* a person who is receiving medical treatment, care, or attention from a healthcare professional, such as a doctor, nurse, or therapist; a personal quality or characteristic
162. st____t compliance regime *adj.* strongly limiting someone's freedom; allowing no deviation from a standard, rule, belief, etc.
163. dec____ve statement *adj.* relating to or functioning as a statement or assertion; making a declaration or assertion
164. 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
165. play a vi____l role *adj.* necessary for the success or continued existence of something
166. mon____ic block *adj.* characterized by massiveness, rigidity, and uniformity
167. a c____e about the crime *n.* an object, a piece of evidence, or some information that helps someone to find the answer to a problem, question, or mystery
168. pa____t with weight loss *n.* a person who is receiving medical treatment, care, or attention from a healthcare professional, such as a doctor, nurse, or therapist; a personal quality or characteristic

ANSWERS: 159. peaceful, 160. hippocampus, 161. patient, 162. strict, 163. declarative, 164. decide, 165. vital, 166. monolithic, 167. clue, 168. patient

169. 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
170. fr____nt use *adj.* happening constantly
171. o_d behavior *adj.* strange or unexpected; not divisible by two
172. take im_____te effect *adj.* happening or done without delay or occurring shortly after something else
173. ps_____ic medication *adj.* relating to or characterized by a loss of touch with reality; exhibiting or suffering from a severe mental disorder characterized by delusions, hallucinations, or disordered thinking
174. ob_____s reasons *adj.* easy to see, discover or understand
175. de___e a question *v.* to make up someone's mind about something; to come to a conclusion or judgment after considering options
176. gl___e at him miserably *v.* to give a quick or brief look; to hit something at an angle
177. co___x cells *n.* the outermost layer of an organ, especially the brain
178. tra_____be notes *v.* to copy or reproduce something in written or printed form; to translate spoken language into written text

ANSWERS: 169. surgery, 170. frequent, 171. odd, 172. immediate, 173. psychotic, 174. obvious, 175. decide, 176. glance, 177. cortex, 178. transcribe

179. cer_____um function *n.* the part of the brain at the back of the head that plays an important role in motor control, balance, and coordination
180. unc_____us bias *adj.* in the state of lacking awareness and the capacity for sensory perception, especially as the result of a head injury or illness
181. DC mo__r control *n.* a device that converts electricity, fuel, etc. into movement and makes a machine, vehicle, etc. work
182. se_____e of a debtor's property *n.* the action of taking something from somebody by the use of legal authority; a sudden occurrence or recurrence of a disease
183. a profound in_____t *n.* the ability to gain an accurate and deep understanding of people or situations; an accurate and deep understanding of what something is like
184. a r_w of cherry trees *n.* an arrangement of objects or people side by side in a line; (verb) to propel a boat through the water using oars
185. her de_____te screams *adj.* feeling or showing a lack of hope and a willingness to do anything because of the problematic situation
186. a scientific di_____ry *n.* the act or process of finding information, a place, or an object, or learning about something that was previously not known
187. con_____te a leadership *v.* to make something more vital, more solid, or more certain

ANSWERS: 179. cerebellum, 180. unconscious, 181. motor, 182. seizure, 183. insight, 184. row, 185. desperate, 186. discovery, 187. consolidate

188. ep____e of vertigo *n.* a happening or story that is distinctive in a series of related events; an abrupt short period during which someone suffers from the effects of a physical or mental illness
189. er__e coast *v.* to gradually wear away or break down (rock, soil, or other material) through the action of wind, water, or other natural agents; to gradually weaken or undermine (something) over time
190. cr__k an eggshell *v.* to break or cause to break without dividing into separate parts; (noun) a line on the surface of something along which it has separated without breaking
191. st____e at low temperature *n.* the act or process of putting in and keeping something in a particular place for use in the future; an electronic memory device that can store information
192. find a cor_____ing lack *adj.* similar to, connected with, or accompanying something, especially in position or purpose
193. reckless da_____il *n.* a person who takes unnecessary risks, especially involving physical feats or dangerous activities, often for entertainment or thrill-seeking purposes; someone who is fearless and daring
194. a glass t__e *n.* a cylindrical container of metal, plastic, glass, etc., usually sealed and used as a means of preserving food or chemicals; a hollow cylindrical shape

ANSWERS: 188. episode, 189. erode, 190. crack, 191. storage, 192. corresponding, 193. daredevil, 194. tube

195. ex____e the issue *v.* to study or consider a person or object attentively and thoroughly to learn something about them
196. ba__l activity *adj.* forming or belonging to a bottom layer or base of something
197. become ess_____ly same *adv.* relating to the essential features or concepts of anything
198. re___n information *v.* to keep or continue to possess or maintain something
199. stress pr_____n *n.* a molecule made up of a long chain of amino acids, which is essential for the structure and function of the body's tissues
200. a sl__e of the company's revenue *n.* a flat, often thin, piece of bread, meat, cheese, etc., that has been cut from a larger piece; a wound made by cutting
201. pa_____l withdrawal *adj.* not complete; fragmentary; favoring somebody or something very much
202. a theoretical concept in
neuro_____nce *n.* the scientific study of the function, structure, and disorder of the brain and the nervous system
203. tr__e a telephone call *v.* to find or discover someone or something that was lost
204. change ri__y behavior *adj.* involving the possibility of danger, failure, or loss
205. sc___l my signature *v.* to write or draw something in a careless or untidy way, often with difficulty or haste
206. pa_____l knowledge *adj.* not complete; fragmentary; favoring somebody or something very much

ANSWERS: 195. examine, 196. basal, 197. essentially, 198. retain, 199. protein, 200. slice, 201. partial, 202. neuroscience, 203. trace, 204. risky, 205. scrawl, 206. partial

207. in___t forestland *adj.* undamaged and complete
208. a c__e to the diagnosis *n.* an object, a piece of evidence, or some information that helps someone to find the answer to a problem, question, or mystery
209. exp_____nt design *n.* the scientific test conducted to observe what happens and gain new knowledge
210. gr_____me accident *adj.* causing horror or disgust
211. s__d castle *n.* finely granulated particles of rock or mineral material typically found along beaches, deserts, or riverbeds; used in construction, landscaping, and other applications requiring drainage or abrasive action
212. end of the first ep_____e *n.* a happening or story that is distinctive in a series of related events; an abrupt short period during which someone suffers from the effects of a physical or mental illness

ANSWERS: 207. intact, 208. clue, 209. experiment, 210. gruesome, 211. sand, 212. episode

Session 3: Fill in the Blanks

1. _____ a society is an organism.
adv. relating to the essential features or concepts of anything
2. Using a _____ tone, the teacher clarified that cheating was not tolerated.
adj. relating to or functioning as a statement or assertion; making a declaration or assertion
3. 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
4. The patient's _____ was causing severe pain in their wrist.
n. a group of nerve cells located outside the brain and spinal cord, often forming a swelling or knot; responsible for controlling certain bodily functions or movements
5. The mobile application industry is _____ changing.
adv. all the time
6. He that would eat the kernel must _____ the nut.
v. to break or cause to break without dividing into separate parts; (noun) a line on the surface of something along which it has separated without breaking
7. He was the leader of the demonstrators and spoke out against the war in the front _____.
n. an arrangement of objects or people side by side in a line; (verb) to propel a boat through the water using oars

ANSWERS: 1. Essentially, 2. declarative, 3. emotions, 4. ganglion, 5. constantly, 6. crack, 7. row

8. The golfer recorded an _____ distance.

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

9. 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

10. She is searching for a _____ residence.

adj. lasting for a long time without essential change

11. Plutonium has limited _____ applications.

adj. not involving violence, conflict, or war

12. Her husband's death caused her to experience a _____ break.

adj. relating to or characterized by a loss of touch with reality; exhibiting or suffering from a severe mental disorder characterized by delusions, hallucinations, or disordered thinking

13. We store customer data in cloud _____.

n. the act or process of putting in and keeping something in a particular place for use in the future; an electronic memory device that can store information

14. They watched the train _____ into the distance.

v. to cease to exist or be visible

15. 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

ANSWERS: 8. amazing, 9. individual, 10. permanent, 11. peaceful, 12. psychotic, 13. storage, 14. disappear, 15. neurosurgeons

16. He became _____ that he was being followed.

adj. being aware of and able to respond to what is happening around you

17. 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

18. He displayed the _____ symptoms of depression.

adj. judged or deserving to be regarded as one of the best or most important of its kind over a period of time; of a well-known type

19. 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

20. 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

21. His _____ showed highly positive results.

n. the scientific test conducted to observe what happens and gain new knowledge

22. I found an old _____ of my grandparents from their wedding day.

n. a picture or image that is produced by a camera; a visual representation or record of a person, object, or scene that has been captured electronically or on film

23. Sensors convert physical phenomena into _____ signals.

adj. processing or storing information as a succession of 1 and 0 to show that a signal is present or missing; relating to the use of computer technology, especially the internet

ANSWERS: 16. conscious, 17. nurse, 18. classic, 19. discovery, 20. neuron, 21. experiments, 22. photograph, 23. digital

24. The doctor carefully examined the _____ medical history.
- n.* a person who is receiving medical treatment, care, or attention from a healthcare professional, such as a doctor, nurse, or therapist; a personal quality or characteristic
25. His _____ to the charity was a generous donation of money.
- n.* the act of giving something, especially money, to a particular cause or organization; a voluntary gift as of money or service or ideas made to some worthwhile cause
26. The MRI showed activity in the _____ region of the patient's brain.
- adj.* relating to or located in the outer layer of an organ or body structure, particularly the cortex of the brain
27. She stood on the podium and _____ an audience.
- v.* to examine something hastily, with the eyes or with a machine, to get information
28. The _____ is crucial for learning and memory storage.
- n.* a major component of the brain of humans and other vertebrates that is part of the limbic system and is vital for memory
29. They took the _____ step toward reconciliation.
- adj.* of or happening at the beginning; (noun) the first letter of a word, especially a person's name
30. Computers help people _____ specific memories.
- v.* to keep or continue to possess or maintain something
31. The _____ train was packed with commuters during rush hour.
- n.* a cylindrical container of metal, plastic, glass, etc., usually sealed and used as a means of preserving food or chemicals; a hollow cylindrical shape

ANSWERS: 24. patient's, 25. contribution, 26. cortical, 27. scanned, 28. hippocampus, 29. initial, 30. retain, 31. tube

32. Initially, we must _____ all project-related expenses.

- v. to study or consider a person or object attentively and thoroughly to learn something about them

33. The experience was _____ and left a lasting impression.

- adj. extremely unpleasant or bad; causing fear or disgust

34. I casually _____ into the small hut.

- v. to give a quick or brief look; to hit something at an angle

35. The exam was _____ tricky for everyone.

- adv. in a way that causes amazement or wonder

36. The research findings _____ the theory that human activities cause global warming.

- v. to support or strengthen the foundations of something

37. _____ circles surrounded the target on the shooting range.

- adj. having a common center, with circles or spheres that share a common center point; having shapes or forms that are aligned or nested within one another

38. 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

39. She needs to _____ the interview recording to write the article for the magazine.

- v. to copy or reproduce something in written or printed form; to translate spoken language into written text

ANSWERS: 32. examine, 33. horrible, 34. glanced, 35. surprisingly, 36. underpin, 37. Concentric, 38. involves, 39. transcribe

40. Several military _____ programs have become popular methods of exercise.
n. a tool or machine used for making round holes or driving fasteners; a training or practice
41. Let's _____ the origins of some familiar foreign words.
v. to find or discover someone or something that was lost
42. The _____ brain region responded readily to negative or sad sounds.
adj. of or relating to the system of the brain that supports a variety of functions, including emotion, behavior, long-term memory, and olfaction
43. The cerebral _____ consists of six layers.
n. the outermost layer of an organ, especially the brain
44. 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
45. Animals transmit nerve impulses through _____.
n. the fact or state of failing to finish an activity and of stopping using, making, or doing it
46. 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
47. The organizational _____ of start-ups is often flat and straightforward.
n. the way of construction of something and the arrangement of its parts, or a complex thing constructed of many parts

ANSWERS: 40. drill, 41. trace, 42. limbic, 43. cortex, 44. decide, 45. synapses, 46. brain, 47. structure

48. He was _____ when he lost all his money by gambling.

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

49. The _____ design of the interface made the operation difficult.

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

50. She vividly _____ getting laid off several years ago.

v. to remember something

51. 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

52. The children complained because one _____ of cake was slightly larger than the other.

n. a flat, often thin, piece of bread, meat, cheese, etc., that has been cut from a larger piece; a wound made by cutting

53. Both forts were subject to _____ attacks.

adj. happening or done without delay or occurring shortly after something else

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

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

55. The ___ level of this soil is too acidic for these types of plants.

n. a measure of the acidity or alkalinity of a substance, on a scale of 0 to 14, with seven being neutral, lower values indicating greater acidity, and higher values indicating greater alkalinity

ANSWERS: 48. desperate, 49. awkward, 50. recalls, 51. surgery, 52. slice, 53. immediate, 54. skull, 55. ph

56. I know his _____ habit that he touches his face when he lies.
adj. in the state of lacking awareness and the capacity for sensory perception, especially as the result of a head injury or illness
57. Energy-efficient _____ are needed to maximize the cruising distance of electric vehicles.
n. a device that converts electricity, fuel, etc. into movement and makes a machine, vehicle, etc. work
58. _____ all the parties signed the contract.
adv. almost completely
59. The video telephony application has _____ the way we work.
v. to change the meaning or interpretation of something; to make people think about something in a new or different way
60. The body needs a certain amount of _____ to build and repair tissues.
n. a molecule made up of a long chain of amino acids, which is essential for the structure and function of the body's tissues
61. He created a beautiful piece of music using only _____.
n. the act of making something up on the spot or creating or performing something without preparation
62. I can't see any _____ between these two concepts.
n. a difference or contrast between similar things or people
63. _____ surgery was once a common treatment for mental illness, but it is now considered unethical.
n. a surgical procedure in which a section of the brain is removed or disconnected from the rest of the brain, often used as a treatment for mental illness in the past

ANSWERS: 56. unconscious, 57. motors, 58. Virtually, 59. redefined, 60. protein, 61. improvisation, 62. distinction, 63. Lobotomy

64. Most of the programs are _____ in this area.
v. to send out a program or some information on radio or television
65. The third _____ was far more successful.
n. an act or effort of trying to do something, especially something difficult
66. She quickly _____ her phone number on paper before running out the door.
v. to write or draw something in a careless or untidy way, often with difficulty or haste
67. They _____ admired our actions.
adv. to an extraordinary extent or degree; very much
68. Too _____ a regulation for the private sector will stifle innovation.
adj. strongly limiting someone's freedom; allowing no deviation from a standard, rule, belief, etc.
69. The fishing reel had a _____ that made it easy to reel in the catch.
n. a mechanical device that converts rotary motion into linear motion or vice versa; an eccentric or unpredictable person
70. His grandfather was an _____ man.
adj. strange or unexpected; not divisible by two
71. The police couldn't find a _____ to her whereabouts.
n. an object, a piece of evidence, or some information that helps someone to find the answer to a problem, question, or mystery
72. To find drunk drivers, police conduct _____ tests.
adj. made, done, or happening without method, conscious decision, or any regular pattern

ANSWERS: 64. broadcast, 65. attempt, 66. scrawled, 67. greatly, 68. strict, 69. crank, 70. odd, 71. clue, 72. random

73. Although some progress had been made, the study's findings were _____.
adj. not complete; fragmentary; favoring somebody or something very much
74. Customs have made their biggest ever _____ of cocaine.
n. the action of taking something from somebody by the use of legal authority; a sudden occurrence or recurrence of a disease
75. The majority of consumers _____ this brand with quality.
v. to mentally connect someone or something with someone or something else
76. The lecture on quantum physics _____ me to tears.
v. to make someone feel weary or uninterested, often by talking at length about uninteresting or mundane topics; to cause someone to feel bored or unengaged; (noun) a hole or tunnel drilled or dug into the ground, either for exploration or extraction of natural resources
77. This page _____ our response planning for an emergency.
v. to describe the main facts or aspects involved in something
78. Difficulties _____ the mind, as labor does the body.
v. to become stronger or more effective; to make someone or something stronger or more effective
79. The _____ number on the dial was 3.
adj. similar to, connected with, or accompanying something, especially in position or purpose
80. Perseverance and optimism are _____ to success.
adj. necessary for the success or continued existence of something

ANSWERS: 73. partial, 74. seizure, 75. associate, 76. bored, 77. outlines, 78. strengthen, 79. corresponding, 80. vital

81. The brain is an incredibly complex organ that controls the body's _____.
- n.* the purpose or use of an object, system, or process; a particular activity or operation that is designed to serve a specific purpose; a mathematical concept that describes a relationship between two sets of values, called the input and output sets; (verb) to operate or work in a specific way, or to perform a particular task or purpose
82. We gained various _____ by analyzing the vast amount of data owned by the company.
- n.* the ability to gain an accurate and deep understanding of people or situations; an accurate and deep understanding of what something is like
83. Some athletes take anabolic steroids to increase muscle size _____.
- adv.* for a limited time only or not permanently
84. Babies heavily _____ on others for food.
- v.* to require a specific thing or the assistance and support of someone or something to continue, run properly, or succeed.
85. The patient has to keep a record of _____ body temperature.
- adj.* forming or belonging to a bottom layer or base of something
86. 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
87. The pilot and flight attendant ran through the check-out _____.
- n.* a way of doing something, especially the official or well-known way

ANSWERS: 81. function, 82. insights, 83. temporarily, 84. rely, 85. basal, 86. neuroscience, 87. procedure

88. They worked hard to _____ the nature of their native lands.
v. to keep or maintain a particular quality, feature, etc., especially to prevent it from decaying, being damaged, or being destroyed
89. The stories of war crimes filled her with _____.
n. intense fear or disgust, especially at something shocking or terrifying
90. The _____ on the beach was warm and golden.
n. finely granulated particles of rock or mineral material typically found along beaches, deserts, or riverbeds; used in construction, landscaping, and other applications requiring drainage or abrasive action
91. The budget reduction was an _____ feat for our nation.
adj. arousing admiration due to size, quality, or skill
92. The two universities will _____ in July next year.
v. to make something more vital, more solid, or more certain
93. I want to put that _____ of my life behind me.
n. a happening or story that is distinctive in a series of related events; an abrupt short period during which someone suffers from the effects of a physical or mental illness
94. It is extremely _____ to sail in such a storm.
adj. involving the possibility of danger, failure, or loss
95. The _____ crime scene was difficult for the detectives to stomach.
adj. causing horror or disgust

ANSWERS: 88. preserve, 89. horror, 90. sand, 91. impressive, 92. consolidate, 93. episode, 94. risky, 95. gruesome

96. The ongoing budget cuts have _____ the quality of education in many schools.
- v. to gradually wear away or break down (rock, soil, or other material) through the action of wind, water, or other natural agents; to gradually weaken or undermine (something) over time
97. Government workers cannot _____ to political campaigns.
- v. to give something, especially money or goods, to provide or achieve something together with other people
98. Despite the scandals, his reputation remained _____.
- adj. undamaged and complete
99. An injury to the _____ can cause difficulty with walking, speaking, and maintaining posture.
- n. the part of the brain at the back of the head that plays an important role in motor control, balance, and coordination
100. His heartaches are less _____ now.
- adj. happening constantly
101. The _____ partially destroyed my vehicle.
- n. an unfortunate event, especially one causing damage or injury
102. This area is _____ for its hot springs.
- adj. famous and respected for great achievements, qualities, etc.
103. She _____ the money from her savings account to her checking account.
- v. to move, pass, or change from one person, place, or situation to another

ANSWERS: 96. eroded, 97. contribute, 98. intact, 99. cerebellum, 100. frequent, 101. accident, 102. renowned, 103. transferred

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

adj. easy to see, discover or understand

105. The _____ death-defying stunt left the audience in awe.

n. a person who takes unnecessary risks, especially involving physical feats or dangerous activities, often for entertainment or thrill-seeking purposes; someone who is fearless and daring

106. Big technology companies try to integrate customers' data into _____ applications.

adj. characterized by massiveness, rigidity, and uniformity

ANSWERS: 104. obvious, 105. daredevil's, 106. monolithic