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Vocabulary Builder Reference from...

Anil Seth: Your brain hallucinates your conscious reality | TED Talk

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

All Words

IMPORTANT

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Session 1: Word List

cease

v. to stop an action or event

synonym : stop, end, terminate

(1) **cease** to exist, (2) **cease** drinking

The company decided to **cease** production of the product.

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**.

anesthetic

n. a substance that is administered to a person or an animal to produce a loss of sensation or consciousness so that medical or surgical procedures can be performed without causing pain

synonym : sedative, anesthesia, painkiller

(1) **anesthetic** injection, (2) local **anesthetic**

The dentist administered an **anesthetic** to numb the patient's mouth before the procedure.

detachment

n. a state of being disconnected or disinterested; impartiality or emotional distance; a military unit or formation that separates from a larger force and

operates independently

synonym: separation, aloofness, indifference

(1) **detachment** from reality, (2) emotional **detachment**

The **detachment** of the soldiers was evident as they carried out their mission with precision and focus.

drowsy

adj. feeling or showing a strong desire to sleep; causing a feeling of sleepiness or lethargy

synonym: sleepy, lethargic, dozy

(1) **drowsy** feeling, (2) **drowsy** voice

I'm feeling **drowsy** after staying up late last night.

disorient

v. to make someone confused about where they are or where they should go

synonym: confuse, flummox, perplex

(1) **disorient** his audience, (2) **disorient** and wrong-foot viewers

Several studies have indicated that human activity at sea might **disorient** dolphins and whales.

definitely

adv. without any question and beyond doubt; clearly

synonym: absolutely, certainly, indeed

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

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

confuse

v. to mistake one thing for another; to make somebody hard to understand

synonym: confound, obscure, disorient

(1) **confuse** the listener, (2) **confuse** fantasy with reality

Her remarks **confused** the debate.

anxious

adj. worried and nervous

synonym: nervous, uneasy, afraid

(1) **anxious** about his health, (2) an **anxious** look

He cast **anxious** glances behind her.

continuity

n. the state or quality of being continuous, uninterrupted, or consistent; the maintenance of a connection, sequence, or pattern

synonym: coherence, uninterruptedness, perseverance

(1) **continuity** plan, (2) **continuity** of service

The sudden departure of the team leader disrupted the project's **continuity**.

anesthesia

n. a state of controlled, temporary loss of bodily sensation or awareness that is induced for medical purposes

(1) **anesthesia** for surgery, (2) local **anesthesia**

He is in general **anesthesia** under the surgeon.

oblivion

n. the state of being completely forgotten or unknown; the state of being unconscious or unaware; the condition of being destroyed, wiped out, or erased from existence

synonym: limbo, forgetfulness, unawareness

(1) vanish into **oblivion**, (2) drunken **oblivion**

The author's work was forgotten and fell into **oblivion** after his death.

modern

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

synonym: contemporary, stylish, current

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

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

magic

n. beliefs and actions employed to influence supernatural beings and forces; any art or performance that invokes supernatural powers

synonym: fascination, illusion, wizardry

(1) a **magic** spell, (2) she is **magic**

He performed **magic** tricks with sophisticated moves.

process

n. a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable

for consumption or use in other dairy products

synonym : procedure, method, system

(1) **process** improvement, (2) decision-making **process**

The **process** for applying for a visa can be lengthy and complicated.

mystery

n. something difficult to understand or explain; a secret or enigmatic quality that adds to the fascination or interest of something; a genre of fiction that involves the solution of a crime or a puzzle

synonym : enigma, puzzle, secret

(1) **mystery** novel, (2) unsolved **mystery**

The **mystery** surrounding the disappearance of the traveler has yet to be solved by authorities.

philosophy

n. the study of general and fundamental questions, such as those about existence, reason, knowledge, values, mind

synonym : doctrine, attitude, creed

(1) **philosophy** of education, (2) western **philosophy**

Ethics is a branch of **philosophy**.

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.

combine

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

synonym : coalesce, cohere, blend

(1) **combine** chemically with another substance,

(2) **combine** augmented reality

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

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.

biology

n. the scientific study of life and the natural processes of living things

(1) evolutionary **biology**, (2) cell and molecular **biology**

In junior high school, we had to dissect a frog in **biology** class.

suffer

v. to experience pain, distress, or hardship; to undergo or endure something painful or unpleasant

synonym: endure, undergo, tolerate

(1) **suffer** a setback, (2) **suffer** bad grades

The older man **suffers** from arthritis and finds it difficult to move around.

consciously

adv. with awareness; in a deliberate manner

synonym: intentionally, deliberately, knowingly

(1) **consciously** aware of a problem, (2) act **consciously**

He **consciously** criticizes her in the publicity.

smartphone

n. a mobile phone that functions as a computer and connects to the Internet

(1) **smartphone** app developer, (2) **smartphone** addict

Internet traffic volumes have increased significantly with the advent of **smartphones**.

develop

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

synonym: evolve, progress, advance

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

We must **develop** a new system to streamline our workflow

and increase efficiency.

prospect

n. the possibility or likelihood of something happening or being successful; a person or thing that is likely to succeed or become popular; a potential customer or client; (verb) to explore for useful or valuable things or substances, such as minerals

synonym : hope, possibility, expectation

(1) **prospect** for gold, (2) job **prospects**

The **prospect** of starting a new business can be both exciting and daunting.

AI

n. (abbreviation for artificial intelligence) the theory and development of computer systems capable of doing activities that would ordinarily need human intelligence, such as object recognition, speech recognition, decision-making, and language translation

synonym : robot, machine learning, neural network

(1) **AI** expert, (2) apply **AI** technology to art

The evolution of processors has dramatically improved the performance of **AI**.

purity

n. the state of being undiluted or unmixed with anything else; the state of being free from immorality, especially of a sexual nature

synonym : sinlessness, innocence, cleanliness

(1) the degree of **purity**, (2) high **purity**

Higher **purity** requires additional equipment and energy.

intelligence

n. the ability to learn, comprehend, or make judgments or conclusions based on reasons

synonym : brains, brightness, cleverness

(1) an **intelligence** test, (2) field of artificial **intelligence**

In terms of **intelligence**, he was head and shoulders above his classmates.

hallucinate

v. to experience a seemingly real perception of something that does not actually exist, usually as a result of a mental illness or drug use

(1) start to **hallucinate**, (2) **hallucinate** with drug

Sleep-deprived people gradually lose their concentration and may **hallucinate**.

lab

n. a workplace for the conduct of scientific research; a laboratory

synonym: workshop, laboratory, research chamber

(1) **lab** instrument, (2) medical **lab**

The Prime Minister will pay a courtesy visit to the Nobel laureate's **lab**.

discipline

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

synonym: training, restraint, field

(1) break **discipline**, (2) rigid **discipline**

He quickly learned the military **discipline**.

strategy

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

synonym: approach, procedure, scenario

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

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

property

n. a thing or things that belong to someone

synonym: belongings, possessions, equity

(1) a man of **property**, (2) chemical **property**

He stood to inherit a million-dollar **property**.

physics

n. the science of matter and energy and their interactions

(1) nuclear **physics**, (2) laws of **physics**

He studied the **physics** of radiation.

chemistry

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

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

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

mechanism

n. a part of a machine, or a set of parts that performs a task; a natural or established process that occurs during a specific situation or reaction

synonym: means, method, system

(1) the **mechanism** for DNA replication, (2) defense **mechanism**

He discovered unique **mechanisms** for photochemical reactions.

metabolism

n. the set of chemical reactions in cells or organisms that are necessary for life-sustaining

(1) **metabolism** enzyme, (2) hemoglobin **metabolism**

Better sleep leads to increased **metabolism**.

reproduction

n. the process by which organisms create offspring; the production of something similar to an original work

synonym: procreation, replication, duplication

(1) **reproduction** rate, (2) **reproduction** system

The **reproduction** of the plant depends on the pollinators.

homeostasis

n. the maintenance of stability or balance within an organism or system through various physiological processes that regulate internal conditions, such as temperature and pH

synonym: balance, equilibrium, stability

(1) cellular **homeostasis**, (2) **homeostasis** imbalance

The body's ability to maintain **homeostasis** is essential for survival in harsh environments.

fade

v. to vanish; to fade away; to lose color; to lose freshness

synonym: languish, wither

(1) **fade** away almost completely, (2) **fade** in importance
My memory will **fade**, but my heart will live on.

propose

v. to make a proposal, declare a plan for something
synonym: suggest, offer, recommend

(1) **propose** the amendment, (2) **propose** changes
I want to **propose** a toast in honor of our longstanding relationship.

magical

adj. produced by or containing supernatural powers
synonym: enchanting, occult, supernatural

(1) **magical** place, (2) **magical** powers
When I was a child, my mother often cast **magical** spells to ease my pain whenever I was injured.

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.

apparently

adv. based on what you have heard or read

synonym: evidently, obviously, supposedly

(1) **apparently** simple, (2) **apparently** unrelated
The police **apparently** believed this explanation was plausible.

soluble

adj. able to dissolve in a particular substance or solvent; able to be solved or settled

synonym: miscible, dissolvable, liquefiable

(1) **soluble** fiber, (2) water- **soluble** vitamin
The sugar is **soluble** in hot water and dissolves easily.

sight

n. the ability to see; anything that is seen

synonym: vision, spectacle, view

(1) an unexpected **sight**, (2) dull **sight**

Many famous **sights** are within walking distance.

sensory

adj. of or relating to the physical senses

synonym : receptive, sensuous, neural

(1) a **sensory** organ, (2) a child with **sensory** issues

Sharks have highly developed **sensory** systems and are extremely sensitive creatures.

panoramic

adj. relating to an unobstructed and wide view of an extensive area; all-encompassing

synonym : expansive, wide-ranging, scenic

(1) **panoramic** landscape, (2) **panoramic** camera

We hiked to the top of the hill for a **panoramic** view of the city below.

immerse

v. to become fully involved in a particular activity; to dip or submerge in a liquid, especially so that they or it are entirely covered

synonym : dip, inundate, submerge

(1) **immerse** the cloth in the dye, (2) completely **immerse** the ingredient

He **immersed** himself in his research.

specific

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

synonym : particular, definite, distinct

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

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

aspect

n. one part or feature of a situation, problem, subject, etc.

synonym : characteristic, element, factor

(1) nontechnical **aspects** of the job, (2) **aspects** of social, political, and economic life

His professional experience includes all **aspects** of media production.

cling

v. to hold onto something tightly; to be closely attached to someone or something

synonym : stick, adhere, attach

(1) **cling** onto power, (2) **cling** tightly to the skin

He **clings** to the hope that he will find a job soon.

tight

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

synonym : closed, secured, cramped

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

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

prediction

n. the act of predicting the future by reasoning; a statement made about the future

synonym : forecast, anticipation, foretelling

(1) make my **predictions**, (2) gloomy **predictions**

These results muddied the **prediction**.

engine

n. a machine that converts thermal energy to mechanical work; something that has an important role used to achieve a purpose

synonym : motor, locomotive, driver

(1) a steam **engine**, (2) an air-cooled **engine**

The policies he announces can be the **engine** of economic growth in the country.

bony

adj. characterized by a prominent, visible bone structure; lacking flesh or muscle; thin, scrawny

synonym : emaciated, gaunt, skeletal

(1) **bony** fingers, (2) **bony** structure

She complained of a **bony** lump on her ankle that made walking difficult.

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.

stream

n. a small, narrow river; a continuous flow of something, such as liquid, gas, people, vehicles, etc.

synonym: flow, current, brook

(1) the **stream** of time, (2) an endless **stream** of cars

Jet **streams** are the common name for air currents that form high in the atmosphere.

electrical

adj. relating to electricity

(1) an **electrical** storm, (2) degree in **electrical** engineering

Actuators convert **electrical** pulses into motion.

impulse

n. a sudden strong and unreflective wish or need to do something; the electrical discharge that travels along a nerve fiber

synonym: stimulation, provocation, urge

(1) a combative **impulse**, (2) profound religious **impulses**

Nerve **impulses** cross a synapse through the action of neurotransmitters.

indirectly

adv. not going straight to the point; implying or suggesting something

synonym: circuitously, obliquely, by implication

(1) **indirectly** related, (2) **indirectly** impact

The CEO **indirectly** expressed her disappointment with the project's progress.

relate

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

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.

perception

n. a belief, opinion, or image you have based on how you regard, understand, or interpret something; the ability to see, hear, or notice something through the senses

synonym: understanding, idea, awareness

(1) keen **perception**, (2) **perception** of a stimulus

He is a man admired for the depth of his **perception**.

guesswork

n. the act or process of making an estimate or speculation based on incomplete or uncertain information; conjecture or supposition

synonym: speculation, conjecture, estimation

(1) pure **guesswork**, (2) rely on **guesswork**

Making decisions based on **guesswork** can lead to costly mistakes.

perceive

v. to become aware or conscious of something through the senses

synonym: sense, discern, feel

(1) **perceive** a threat, (2) **perceive** light

Australia is widely **perceived** as having low levels of corruption.

illusion

n. a false idea or belief, especially about somebody or about a situation

synonym: delusion, fallacy, magic trick

(1) optical **illusion**, (2) the **illusion** of being in the forest

He could no longer tell the difference between **illusion** and reality.

patch

n. a small piece of material or fabric used to repair or reinforce a tear, hole, or damaged area; a small plot of land used for cultivation or a specific purpose

synonym: mend, repair, fix

(1) **patch** of grass, (2) software **patch**

I need to sew a **patch** onto my jeans that ripped.

illustrate

v. to provide pictures, photographs, diagrams, etc. in a book or something for explanation

synonym: demonstrate, explain, exemplify

(1) **illustrate** a key point, (2) **illustrate** a story

The company's financial records **illustrate** how successful it has been.

circuit

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

synonym: route, course, rotation

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

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

visual

adj. relating to seeing or sight

synonym: optical, graphical, visible

(1) **visual** navigation, (2) field of **visual** arts

The building makes a remarkable **visual** impact.

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.

cast

v. to cause light or shadow to appear on a surface; to assign or choose someone such as an actor or representative, especially by selection process

synonym: throw, project, select

(1) **cast** a ballot, (2) **cast** a charming eye

This accident **cast** a dark shadow over their lives.

shadow

n. a dark area or shape cast by an object blocking the passage of light; an area in darkness or shade; a reflected image or copy of something; a person, activity, or influence that follows or accompanies someone or something closely and persistently, often in a secretive or ominous manner

synonym: shade, silhouette, outline

(1) **shadow** cast, (2) **shadow** puppetry

The tree cast a **shadow** over the picnic area, providing relief from the sun.

dim

adj. poorly lit; not bright

synonym: dull, faint, weak

(1) **dim** and distant past, (2) **dim** memory

The **dim** light made it difficult to read the book.

replay

v. play something, such as a recording, a piece of music, or a game again

synonym: repeat, play again, go over again

(1) **replay** the game, (2) **replay** in my mind

He pushed the button and **replayed** the video again.

remarkable

adj. worthy of attention because unusual or special

synonym: outstanding, exceptional, extraordinary

(1) **remarkable** achievement, (2) the **remarkable** breadth of knowledge

The election was a **remarkable** success for the Whigs.

basis

n. the most important facts, ideas, or events from which something is developed; the way how things are organized or arranged

synonym: foundation, base, ground

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

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

largely

adv. virtually entirely; to a large degree

synonym: mainly, chiefly, broadly

(1) **largely** accepted, (2) **largely** mitigate the issue

Nevada is **largely** a desert state.

opposition

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

synonym: resistance, hostility, antagonism

(1) **opposition** campaign, (2) meet with **opposition**
The **opposition** party strongly disagreed with the government's proposed legislation.

construct

v. to build or create something; to assemble or combine different parts to form something whole

synonym: build, assemble, create

(1) **construct** a 3D image, (2) **construct** a dam

He **constructs** hypotheses that no mathematician has ever imagined before.

virtual

adj. being actually such in almost every respect; existing in essence or effect though not in actual fact

synonym: practical

(1) a **virtual** image, (2) trading of **virtual** currencies

She is the **virtual** president of the company.

simulate

v. to make a pretense of someone's behavior or looks; to reproduce something that exists in real life using computers, models, etc., usually for study or training purposes

synonym: pretend, imitate, mimic

(1) **simulate** climate change, (2) **simulate** a future scenario

He had painted the wood to **simulate** stone.

overly

adv. to a greater degree than is appropriate or desirable

synonym: excessively, too much

(1) **overly** excessive, (2) **overly** unnecessary

The movie was **overly** dramatic, with exaggerated emotions and cliched plot twists.

transform

v. to change in outward structure or looks;

synonym: alter, convert, change

(1) **transform** an education system, (2) **transform** heat into power

My father's death **transformed** my life completely.

psychedelic

adj. relating to or characterized by the use of drugs or the effects that produce altered perceptions, heightened awareness, and vivid imagery; describing art, music, or fashion characterized by bright colors, bold patterns, and unconventional designs

synonym: trippy, hallucinogenic, mind-bending

(1) **psychedelic** therapy, (2) **psychedelic** art

The Beatles' **psychedelic** music was a hallmark of the 1960s counterculture movement.

playground

n. an area where many people go for recreation, especially at a school or in a park

synonym: park, garden, sandbox

(1) a well-equipped **playground**, (2) a **playground** on the roof

There is a woods with a creek near the school **playground**.

algorithm

n. a set of rules or rigorous instructions typically used to solve a specific problem or to perform a computation

synonym: logic, method, rule

(1) the RSA **algorithm**, (2) **algorithm** for image processing

We can evaluate the performance of an **algorithm** in terms of computation time.

psychosis

n. a serious mental disorder characterized by a disconnection from reality, often including hallucinations, delusions, and a lack of insight into one's condition

synonym: madness, delusion, insanity

(1) **psychosis** treatment, (2) drug-induced **psychosis**

He was diagnosed with **psychosis** and was hospitalized for treatment.

controllable

adj. able to be controlled or directed

synonym: manageable, governable, submissive

(1) computer- **controllable**, (2) **controllable** aircraft

The new software is much more **controllable** and user-friendly.

- rein**
- n.* a long, narrow strap attached to a horse's bit, used to control the animal while riding; a means of controlling or limiting something or someone's actions and behavior; (verb) to control or restrain something, especially something that is becoming excessive or out of control
- synonym* : strap, harness, headstall
- (1) tight **rein**, (2) **rein** in costs
- The new driver struggled to keep a firm grip on the **rein** as the horse bolted.
- deceive**
- v.* to cause someone to believe something that is not true, often by telling a lie or creating a false impression
- synonym* : mislead, dupe, hoodwink
- (1) **deceive** to lie, (2) **deceive** skillfully
- The magician's illusions were designed to **deceive** the audience into believing they saw something impossible.
- continuous**
- adj.* occurring or existing without a pause or interruption
- synonym* : ceaseless, regular, repeated
- (1) **continuous** improvement, (2) a **continuous** row of warehouses
- The heavy snow has been **continuous** since last morning.
- grant**
- v.* to agree to give or allow somebody
- synonym* : allocate, authorize, give
- (1) **grant** a new license, (2) **grant** a land
- The chairperson **granted** him the right to speak.
- intent**
- n.* a strong determination or attention to do or achieve something; (adjective) having a strong determination to do or achieve something
- synonym* : purpose, aim, goal
- (1) the **intent** of a question, (2) **intent** gaze
- The designer's **intent** was to create a minimalist aesthetic for the interior of the building.

distinctive

adj. having a quality or characteristic that makes it stand out from others

synonym : characteristic, individual, unique

(1) **distinctive** ability, (2) design to be **distinctive**

His writing style was **distinctive**, with a clear and concise voice.

interaction

n. the act of connecting with someone, mainly when working, playing, or spending time with them

synonym : dealings, exchange, relations

(1) the **interaction** between man and his environment,

(2) **interaction** among human beings

The **interaction** of the two groups is good for brainstorming.

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.

psychiatry

n. the branch of medicine concerned with the study, treatment, and prevention of mental illness

synonym : 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.

neurology

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

synonym : brain science, nervous system, neuropathology

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

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

background

n. the details of a person's social heritage, such as family, vocational or educational experience; past information that is essential to understanding a situation or problem

synonym : ground, experience, backdrop

(1) a **background** color, (2) a criminal **background**

The company's hiring criteria emphasize personality, not a person's **background**.

fragile

adj. delicate or easily broken or damaged

synonym : delicate, brittle, breakable

(1) politically **fragile** nation, (2) **fragile** ecosystem

The vase was made of **fragile** ceramic and easily broke when it was dropped.

principle

n. a fundamental law or truth that explains or controls how something happens or works

synonym : rule, creed, code

(1) **principle** of treatment, (2) **principle** in business

Efficiency isn't an essential **principle** here; fairness is.

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**.

paintbrush

n. a tool used for applying paint or other liquid substances to a surface, typically consisting of bristles or synthetic fibers attached to a handle

synonym : brush, bristle brush, artist's brush

(1) **paintbrush** stroke, (2) **paintbrush** icon

She used a flat **paintbrush** to apply the final touches to the artwork.

rub

v. to move one's hand or an object over the surface of something with pressure

synonym : scrub, massage, stroke

(1) **rub** shoulders, (2) **rub** a glass window

She **rubbed** the sore spot on her leg to ease the pain.

fake

adj. not genuine; fraudulent or counterfeit

synonym : affected, bogus, counterfeit

(1) **fake** police officer, (2) spread of **fake** news

The prime minister was not well prepared for the debate and **faked** it

simultaneously

adv. at the same time

synonym : concurrently, coincidentally, together

(1) **simultaneously** affected, (2) take several inputs

simultaneously

Two students answered the teacher's question

simultaneously.

stroke

n. a medical condition in which poor blood flow to the brain causes cell death; the act of swinging or striking at a ball with a club, racket, etc.

synonym : blow

(1) suffer **stroke**, (2) a **stroke** of the putter

This year's extreme heat has resulted in many heat **stroke** cases.

uncanny

adj. strange or mysterious, often in a way that is unsettling

synonym : arcane, astonishing, eerie

(1) in an **uncanny** manner, (2) **uncanny** resemblance

She has an **uncanny** sense of who is telling a lie.

congruent

adj. in agreement or harmony with something; having the same shape and size, often used in mathematics

synonym : matching, identical, corresponding

(1) **congruent** squares, (2) **congruent** in style

The algebraic equation had **congruent** sides, leading to a valid solution.

roughly

adv. approximately but not precisely; with a violent manner
synonym : approximately, more or less, around

(1) **roughly** explain my idea, (2) **roughly** speaking
Five miles is **roughly** similar to eight kilometers.

conduct

v. to organize and carry out a particular activity
synonym : behave, lead, carry on

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

startle

v. to cause a sudden or unexpected reaction of surprise, alarm, or fear in someone, typically by means of a sudden and loud noise, movement, or event

synonym : frighten, shock, surprise

(1) **startle** for a moment, (2) **startle** the world
The loud bang outside the window caused him to **startle** and spill his coffee.

assimilate

v. to take in and understand information or ideas; to integrate

synonym : absorb, incorporate, integrate

(1) **assimilate** into society, (2) **assimilate** a language
The immigrant struggled to **assimilate** into the new culture.

continually

adv. in a way that happens without interruption or repeatedly

synonym : repeatedly, frequently, constantly

(1) **continually** access information, (2) **continually** changing world
Her tongue runs on **continually**.

internal

adj. of or relating to the inside of something

synonym : interior, inner, domestic

(1) **internal** organs, (2) the **internal** economy
The prime minister canceled visits to other countries to resolve **internal** disputes.

interoception

n. the sense or perception of the internal state of one's body, including physiological processes such as heartbeat, respiration, hunger, pain, and emotional responses

synonym: body awareness, self-perception

(1) **interoception** awareness, (2) **interoception** training
Difficulties in **interoception** have been associated with conditions like autism and anxiety disorders.

overlook

v. to fail to notice something; to watch over someone; to provide a view from above

synonym: disregard, look down, supervise

(1) **overlook** a street, (2) **overlook** that fact

We cannot **overlook** an opportunity for great success.

critic

n. someone who expresses opinions about the quality of books, music, etc.

synonym: pundit, analyst, attacker

(1) art **critic**, (2) severe **critic**

Advocates for legal reform hear less harsh words from their **critics**.

flash

n. a sudden intense burst of radiant energy; a momentary brightness

synonym: sparkle, gleam, glimmer

(1) a **flash** of lightning, (2) brilliant **flash**

These heavy rains caused **flash** floods on several islands.

heartbeat

n. the regular movement or sound of the heart as it sends blood around the body; an animating or vital unifying force

synonym: beat, pulse, force

(1) **heartbeat** abnormality, (2) a pounding **heartbeat**

New York is the commercial **heartbeat** of America.

kidney

n. either of a pair of small organs in the body that filter waste products, especially urea, from the blood and

excrete them and water in urine

(1) an artificial **kidney**, (2) chronic **kidney** disease

The surgeon removed the healthy **kidney** from the donor.

liver

n. a large organ in the body, involved in many metabolic processes, such as detoxification of the organism, and the synthesis of proteins

(1) **liver** disease, (2) fatty **liver**

The patient will undergo **liver** transplant surgery tomorrow.

spleen

n. a large, blood-rich organ located in the upper left region of the abdomen, known for its role in the immune system, blood storage, and blood filtration

synonym: lien, irascibility, temper

(1) **spleen** function, (2) enlarged **spleen**

The doctor explained that the pain in her abdomen was caused by **spleen** inflammation.

physiological

adj. relating to the normal functioning of living organisms and their organs and systems; concerning the physical or biochemical processes and activities that occur within the body

synonym: biological, organic, bodily

(1) **physiological** response, (2) **physiological** activity

The doctor explained the various **physiological** changes that occur during pregnancy.

variable

adj. likely to change or vary often; (noun) a symbol, like x or y, that is used in mathematical or logical expressions to represent a value that may be changed

synonym: erratic, inconsistent, irregular

(1) a **variable** species, (2) a dependent **variable**

Rainfall in the tropics is highly **variable**.

bound

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

synonym: jump, bounce, leap

(1) **bounded** with delight, (2) **bound** up a staircase
Canada **bounds** on the United States.

compatible

adj. capable of coexisting or working together without conflict or inconsistency; harmonious or well-matched

synonym: harmonious, congruent, consistent

(1) fully **compatible**, (2) **compatible** with HTML5

The new software is not **compatible** with the old operating system, causing compatibility issues and errors.

survival

n. the state of continuing to exist or live, frequently in the face of difficulty or danger

synonym: endurance, continuity

(1) **survival** ability, (2) **survival** food

He evaluated his chances for **survival** rather pessimistically.

embody

v. to represent or exemplify something; to give tangible form to an abstract idea

synonym: represent, exemplify, personify

(1) **embody** my goal, (2) **embody** a spirit of charity

The company's new products **embody** the values of innovation and sustainability.

predict

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

synonym: forecast, anticipate, foresee

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

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

stem

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

synonym: branch, limb, (verb) come from

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

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

evolution

n. a gradual process of transformation of living things
synonym: elaboration, expansion, transition

(1) human **evolution**, (2) **evolution** theory

They study the **evolution** of the universe.

opportune

adj. suitable or happening at a time that is suitable or convenient for a particular purpose

synonym: suitable, timely, practical

(1) **opportune** occasion, (2) an **opportune** remark

The phone rang at the most **opportune** time.

implication

n. 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**.

symptom

n. 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

(1) **symptoms** of low testosterone, (2) neurotic **symptoms**

The patient displays a **symptom** of a side effect.

depression

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

synonym: recession, slump, despair

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

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

schizophrenia

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

synonym : psychosis, disorder, mental illness

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

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

upload

v. to transfer digital data or files from a local computer or device to a remote server or network; the act of transferring such data or files

synonym : transfer, load up

(1) **upload** files, (2) **upload** documents to the portal

I need to **upload** these pictures to my computer to edit them.

software

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

synonym : program, system, operating system

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

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

sophisticated

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

synonym : refined, cultured, worldly

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

Marketing strategies are growing more **sophisticated**.

flesh

n. the soft substance composing the body of a person or animal, as opposed to bones and other structures

synonym : meat, muscle, tissue

(1) grow in **flesh**, (2) **flesh** eating

The **flesh** of the fruit is sweet and juicy.

sentient

adj. having the ability to perceive or feel things, particularly through sense perception like touch or sight, especially at higher levels of intelligence and consciousness

synonym : conscious, aware, perceptive

(1) **sentient** beings, (2) **sentient** robots

Animals such as dolphins and elephants are highly **sentient** and intelligent creatures.

fin

n. a thin flat part on the body of a fish or other aquatic animal used for propulsion or balance

synonym: flipper, appendage, stabilizer

(1) back **fin**, (2) a **fin** of a plane

The shark's powerful **fins** allowed it to swim at high speeds.

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.

universe

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

synonym: cosmos, macrocosm

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

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

vast

adj. enormous in size, number, amount, or quantity

synonym: expansive, extended, boundless

(1) **vast** majority, (2) **vast** desert

A **vast** audience viewed the broadcast.

creature

n. a living being, especially an animal

synonym: being, animal, organism

(1) **creature** of habit, (2) artificial **creature**

The deep sea **creature** was unlike anything the scientists had ever seen before.

fundamental

adj. forming an essential base or core from which everything else develops or is affected

synonym: basic, essential, entire

(1) **fundamental** education, (2) **fundamental** rights
Human behavior has **fundamental** characteristics.

celebrated

adj. renowned for possessing admirable attributes

synonym: acclaimed, notable, prominent

(1) **celebrated** artist, (2) **celebrated** paper

Three **celebrated** tenors performed during the president's inauguration.

Session 2: Spelling

1. ass_____te a language *v.* to take in and understand information or ideas; to integrate
2. degree in ele_____al engineering *adj.* relating to electricity
3. up____d files *v.* to transfer digital data or files from a local computer or device to a remote server or network; the act of transferring such data or files
4. politically fr_____e nation *adj.* delicate or easily broken or damaged
5. in an un_____y manner *adj.* strange or mysterious, often in a way that is unsettling
6. ill_____te a story *v.* to provide pictures, photographs, diagrams, etc. in a book or something for explanation
7. ps_____is treatment *n.* a serious mental disorder characterized by a disconnection from reality, often including hallucinations, delusions, and a lack of insight into one's condition
8. pa_____ic camera *adj.* relating to an unobstructed and wide view of an extensive area; all-encompassing
9. profound religious im_____es *n.* a sudden strong and unreflective wish or need to do something; the electrical discharge that travels along a nerve fiber
10. a f_n of a plane *n.* a thin flat part on the body of a fish or other aquatic animal used for propulsion or balance

ANSWERS: 1. assimilate, 2. electrical, 3. upload, 4. fragile, 5. uncanny, 6. illustrate, 7. psychosis, 8. panoramic, 9. impulse, 10. fin

11. a steam en___e *n.* a machine that converts thermal energy to mechanical work; something that has an important role used to achieve a purpose
12. an___s about his health *adj.* worried and nervous
13. int_____ion awareness *n.* the sense or perception of the internal state of one's body, including physiological processes such as heartbeat, respiration, hunger, pain, and emotional responses
14. al_____hm for image processing *n.* a set of rules or rigorous instructions typically used to solve a specific problem or to perform a computation
15. an endless st___m of cars *n.* a small, narrow river; a continuous flow of something, such as liquid, gas, people, vehicles, etc.
16. brilliant fl__h *n.* a sudden intense burst of radiant energy; a momentary brightness
17. fun_____al rights *adj.* forming an essential base or core from which everything else develops or is affected
18. tr_____rm an education system *v.* to change in outward structure or looks;
19. co_____e augmented reality *v.* to join or merge to form a single thing or group
20. drug-induced ps_____is *n.* a serious mental disorder characterized by a disconnection from reality, often including hallucinations, delusions, and a lack of insight into one's condition

ANSWERS: 11. engine, 12. anxious, 13. interoception, 14. algorithm, 15. stream, 16. flash, 17. fundamental, 18. transform, 19. combine, 20. psychosis

21. completely im_____e the ingredient *v.* to become fully involved in a particular activity; to dip or submerge in a liquid, especially so that they or it are entirely covered
22. laws of ph_____s *n.* the science of matter and energy and their interactions
23. military st_____gy *n.* a detailed plan of action designed to achieve a long-term or overall goal.
24. the int_____on between man and his environment *n.* the act of connecting with someone, mainly when working, playing, or spending time with them
25. hom_____is imbalance *n.* the maintenance of stability or balance within an organism or system through various physiological processes that regulate internal conditions, such as temperature and pH
26. rem_____le achievement *adj.* worthy of attention because unusual or special
27. cl__g tightly to the skin *v.* to hold onto something tightly; to be closely attached to someone or something
28. nontechnical as____ts of the job *n.* one part or feature of a situation, problem, subject, etc.
29. co_____ct a 3D image *v.* to build or create something; to assemble or combine different parts to form something whole
30. optical il_____on *n.* a false idea or belief, especially about somebody or about a situation
31. app_____ly unrelated *adv.* based on what you have heard or read

ANSWERS: 21. immerse, 22. physics, 23. strategy, 24. interaction, 25. homeostasis, 26. remarkable, 27. cling, 28. aspect, 29. construct, 30. illusion, 31. apparently

32. in_____al organs *adj.* of or relating to the inside of something
33. sp____n function *n.* a large, blood-rich organ located in the upper left region of the abdomen, known for its role in the immune system, blood storage, and blood filtration
34. pai_____sh stroke *n.* a tool used for applying paint or other liquid substances to a surface, typically consisting of bristles or synthetic fibers attached to a handle
35. em____y a spirit of charity *v.* to represent or exemplify something; to give tangible form to an abstract idea
36. sy_____ms of low testosterone *n.* any sensation or change in body or mind that is experienced by a patient and is associated with a particular disease
37. fr_____e ecosystem *adj.* delicate or easily broken or damaged
38. start to hal_____te *v.* to experience a seemingly real perception of something that does not actually exist, usually as a result of a mental illness or drug use
39. a bac_____nd color *n.* the details of a person's social heritage, such as family, vocational or educational experience; past information that is essential to understanding a situation or problem
40. pr_____le in business *n.* a fundamental law or truth that explains or controls how something happens or works

ANSWERS: 32. internal, 33. spleen, 34. paintbrush, 35. embody, 36. symptom, 37. fragile, 38. hallucinate, 39. background, 40. principle

41. cl__g onto power *v.* to hold onto something tightly; to be closely attached to someone or something
42. sch_____nia 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
43. the degree of pu___y *n.* the state of being undiluted or unmixed with anything else; the state of being free from immorality, especially of a sexual nature
44. pr_____e changes *v.* to make a proposal, declare a plan for something
45. su___r bad grades *v.* to experience pain, distress, or hardship; to undergo or endure something painful or unpleasant
46. co_____e chemically with another substance *v.* to join or merge to form a single thing or group
47. a va_____le species *adj.* likely to change or vary often; (noun) a symbol, like x or y, that is used in mathematical or logical expressions to represent a value that may be changed
48. back f_n *n.* a thin flat part on the body of a fish or other aquatic animal used for propulsion or balance
49. de_____p a skill *v.* to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created

ANSWERS: 41. cling, 42. schizophrenia, 43. purity, 44. propose, 45. suffer, 46. combine, 47. variable, 48. fin, 49. develop

50. decision-making pr_____s *n.* a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products
51. st_____e the world *v.* to cause a sudden or unexpected reaction of surprise, alarm, or fear in someone, typically by means of a sudden and loud noise, movement, or event
52. an an_____s look *adj.* worried and nervous
53. the il_____on of being in the forest *n.* a false idea or belief, especially about somebody or about a situation
54. int_____on among human beings *n.* the act of connecting with someone, mainly when working, playing, or spending time with them
55. c__t a charming eye *v.* to cause light or shadow to appear on a surface; to assign or choose someone such as an actor or representative, especially by selection process
56. met_____sm enzyme *n.* the set of chemical reactions in cells or organisms that are necessary for life-sustaining
57. cellular hom_____is *n.* the maintenance of stability or balance within an organism or system through various physiological processes that regulate internal conditions, such as temperature and pH

ANSWERS: 50. process, 51. startle, 52. anxious, 53. illusion, 54. interaction, 55. cast, 56. metabolism, 57. homeostasis

58. biological psy_____ry *n.* the branch of medicine concerned with the study, treatment, and prevention of mental illness
59. r__n in costs *n.* a long, narrow strap attached to a horse's bit, used to control the animal while riding; a means of controlling or limiting something or someone's actions and behavior; (verb) to control or restrain something, especially something that is becoming excessive or out of control
60. co_____us of having succeeded *adj.* being aware of and able to respond to what is happening around you
61. medical l_b *n.* a workplace for the conduct of scientific research; a laboratory
62. ind_____ly related *adv.* not going straight to the point; implying or suggesting something
63. a pounding he_____at *n.* the regular movement or sound of the heart as it sends blood around the body; an animating or vital unifying force
64. di_____nt and wrong-foot viewers *v.* to make someone confused about where they are or where they should go
65. pa_____ic landscape *adj.* relating to an unobstructed and wide view of an extensive area; all-encompassing
66. psy_____ic art *adj.* relating to or characterized by the use of drugs or the effects that produce altered perceptions, heightened awareness, and vivid imagery; describing art, music, or fashion characterized by bright colors, bold patterns, and unconventional designs

ANSWERS: 58. psychiatry, 59. rein, 60. conscious, 61. lab, 62. indirectly, 63. heartbeat, 64. disorient, 65. panoramic, 66. psychedelic

67. visual co___x neuron *n.* the outermost layer of an organ, especially the brain
68. the in____al economy *adj.* of or relating to the inside of something
69. sch_____nia spectrum disorder *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
70. neurotic sy_____ms *n.* any sensation or change in body or mind that is experienced by a patient and is associated with a particular disease
71. con_____ly changing world *adv.* in a way that happens without interruption or repeatedly
72. su_____al ability *n.* the state of continuing to exist or live, frequently in the face of difficulty or danger
73. bo__ded with delight *v.* to move forward by leaps and bounds; to form the boundary of something
74. a child with se_____y issues *adj.* of or relating to the physical senses
75. c__t a ballot *v.* to cause light or shadow to appear on a surface; to assign or choose someone such as an actor or representative, especially by selection process
76. chronic ki____y disease *n.* either of a pair of small organs in the body that filter waste products, especially urea, from the blood and excrete them and water in urine

ANSWERS: 67. cortex, 68. internal, 69. schizophrenia, 70. symptom, 71. continually, 72. survival, 73. bound, 74. sensory, 75. cast, 76. kidney

77. 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
78. water-so_____e vitamin *adj.* able to dissolve in a particular substance or solvent; able to be solved or settled
79. the branch of neu_____nce *n.* the scientific study of the function, structure, and disorder of the brain and the nervous system
80. ov___y excessive *adv.* to a greater degree than is appropriate or desirable
81. pre-mo___n agricultural society *adj.* of or belonging to the present time or recent times
82. dull si__t *n.* the ability to see; anything that is seen
83. ce__e to exist *v.* to stop an action or event
84. dr___y feeling *adj.* feeling or showing a strong desire to sleep; causing a feeling of sleepiness or lethargy
85. grow in fl__h *n.* the soft substance composing the body of a person or animal, as opposed to bones and other structures
86. con_____us improvement *adj.* occurring or existing without a pause or interruption
87. a combative im_____e *n.* a sudden strong and unreflective wish or need to do something; the electrical discharge that travels along a nerve fiber

ANSWERS: 77. neuron, 78. soluble, 79. neuroscience, 80. overly, 81. modern, 82. sight, 83. cease, 84. drowsy, 85. flesh, 86. continuous, 87. impulse

88. as___ts of social, political, and economic life *n.* one part or feature of a situation, problem, subject, etc.
89. basic br___n function *n.* the organ inside the head that is responsible for one's movement, thought, memory, and feeling
90. l_b instrument *n.* a workplace for the conduct of scientific research; a laboratory
91. a st___e of the putter *n.* a medical condition in which poor blood flow to the brain causes cell death; the act of swinging or striking at a ball with a club, racket, etc.
92. phy_____cal activity *adj.* relating to the normal functioning of living organisms and their organs and systems; concerning the physical or biochemical processes and activities that occur within the body
93. re___y in my mind *v.* play something, such as a recording, a piece of music, or a game again
94. pr_____ct for gold *n.* the possibility or likelihood of something happening or being successful; a person or thing that is likely to succeed or become popular; a potential customer or client; (verb) to explore for useful or valuable things or substances, such as minerals
95. r_b shoulders *v.* to move one's hand or an object over the surface of something with pressure
96. take several inputs sim_____sly *adv.* at the same time
97. meet with opp_____on *n.* the act of disagreeing or resisting; the state of strong disagreement

ANSWERS: 88. aspect, 89. brain, 90. lab, 91. stroke, 92. physiological, 93. replay, 94. prospect, 95. rub, 96. simultaneously, 97. opposition

98. so____re architect *n.* a set of computer programs and associated documentation and data for doing particular computational jobs
99. an int_____nce test *n.* the ability to learn, comprehend, or make judgments or conclusions based on reasons
100. field of vi___l arts *adj.* relating to seeing or sight
101. r_b a glass window *v.* to move one's hand or an object over the surface of something with pressure
102. artificial cr____re *n.* a living being, especially an animal
103. the root problem of her dep_____on *n.* a mental condition in which a person feels very unhappy and without hope for the future; a severe recession in an economy or market
104. keen per_____on *n.* a belief, opinion, or image you have based on how you regard, understand, or interpret something; the ability to see, hear, or notice something through the senses
105. vi___l for a healthy society *adj.* necessary for the success or continued existence of something
106. sh___w puppetry *n.* a dark area or shape cast by an object blocking the passage of light; an area in darkness or shade; a reflected image or copy of something; a person, activity, or influence that follows or accompanies someone or something closely and persistently, often in a secretive or ominous manner

ANSWERS: 98. software, 99. intelligence, 100. visual, 101. rub, 102. creature, 103. depression, 104. perception, 105. vital, 106. shadow

107. cel_____ed paper *adj.* renowned for possessing admirable attributes
108. a well-equipped pla_____nd *n.* an area where many people go for recreation, especially at a school or in a park
109. design to be dis_____ve *adj.* having a quality or characteristic that makes it stand out from others
110. hemoglobin met_____sm *n.* the set of chemical reactions in cells or organisms that are necessary for life-sustaining
111. exp_____nt design *n.* the scientific test conducted to observe what happens and gain new knowledge
112. sh___w cast *n.* a dark area or shape cast by an object blocking the passage of light; an area in darkness or shade; a reflected image or copy of something; a person, activity, or influence that follows or accompanies someone or something closely and persistently, often in a secretive or ominous manner
113. job pr_____cts *n.* the possibility or likelihood of something happening or being successful; a person or thing that is likely to succeed or become popular; a potential customer or client; (verb) to explore for useful or valuable things or substances, such as minerals
114. psy_____ry therapy *n.* the branch of medicine concerned with the study, treatment, and prevention of mental illness

ANSWERS: 107. celebrated, 108. playground, 109. distinctive, 110. metabolism, 111. experiment, 112. shadow, 113. prospect, 114. psychiatry

115. cell and molecular bi_____y *n.* the scientific study of life and the natural processes of living things
116. unsolved my_____y *n.* something difficult to understand or explain; a secret or enigmatic quality that adds to the fascination or interest of something; a genre of fiction that involves the solution of a crime or a puzzle
117. break dis_____ne *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
118. a sop_____ted lifestyle *adj.* having a great deal of worldly experience and knowledge of people's behavior, culture, and fashion
119. fully com_____le *adj.* capable of coexisting or working together without conflict or inconsistency; harmonious or well-matched
120. a private ind_____al *n.* a single person or thing, as distinct from a group
121. mo_____n poetry *adj.* of or belonging to the present time or recent times
122. re_____e a story *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
123. tight r____n *n.* a long, narrow strap attached to a horse's bit, used to control the animal while riding; a means of controlling or limiting something or someone's actions and behavior; (verb) to control or restrain something, especially something that is becoming excessive or out of control

ANSWERS: 115. biology, 116. mystery, 117. discipline, 118. sophisticated, 119. compatible, 120. individual, 121. modern, 122. relate, 123. rein

124. com_____le with HTML5 *adj.* capable of coexisting or working together without conflict or inconsistency; harmonious or well-matched
125. suffer st___e *n.* a medical condition in which poor blood flow to the brain causes cell death; the act of swinging or striking at a ball with a club, racket, etc.
126. f__e police officer *adj.* not genuine; fraudulent or counterfeit
127. spread of f__e news *adj.* not genuine; fraudulent or counterfeit
128. an air-cooled en___e *n.* a machine that converts thermal energy to mechanical work; something that has an important role used to achieve a purpose
129. apply AI technology to art *n.* (abbreviation for artificial intelligence) the theory and development of computer systems capable of doing activities that would ordinarily need human intelligence, such as object recognition, speech recognition, decision-making, and language translation
130. ce__e drinking *v.* to stop an action or event
131. an artificial ki___y *n.* either of a pair of small organs in the body that filter waste products, especially urea, from the blood and excrete them and water in urine
132. phi_____hy of education *n.* the study of general and fundamental questions, such as those about existence, reason, knowledge, values, mind

ANSWERS: 124. compatible, 125. stroke, 126. fake, 127. fake, 128. engine, 129. AI, 130. cease, 131. kidney, 132. philosophy

133. ass_____te into society *v.* to take in and understand information or ideas; to integrate
134. my_____y novel *n.* something difficult to understand or explain; a secret or enigmatic quality that adds to the fascination or interest of something; a genre of fiction that involves the solution of a crime or a puzzle
135. local ane_____ic *n.* a substance that is administered to a person or an animal to produce a loss of sensation or consciousness so that medical or surgical procedures can be performed without causing pain
136. local ane_____ia *n.* a state of controlled, temporary loss of bodily sensation or awareness that is induced for medical purposes
137. cel_____ed artist *adj.* renowned for possessing admirable attributes
138. industry-sp_____ic regulations *adj.* clearly defined or particular to a certain thing or situation; distinct, explicit, and precise
139. gloomy pre_____ons *n.* the act of predicting the future by reasoning; a statement made about the future
140. sim_____sly affected *adv.* at the same time
141. art cr____c *n.* someone who expresses opinions about the quality of books, music, etc.
142. bo__d up a staircase *v.* to move forward by leaps and bounds; to form the boundary of something

ANSWERS: 133. assimilate, 134. mystery, 135. anesthetic, 136. anesthesia, 137. celebrated, 138. specific, 139. prediction, 140. simultaneously, 141. critic, 142. bound

143. psy_____ic therapy *adj.* relating to or characterized by the use of drugs or the effects that produce altered perceptions, heightened awareness, and vivid imagery; describing art, music, or fashion characterized by bright colors, bold patterns, and unconventional designs
144. pure gu_____rk *n.* the act or process of making an estimate or speculation based on incomplete or uncertain information; conjecture or supposition
145. emotional det_____nt *n.* a state of being disconnected or disinterested; impartiality or emotional distance; a military unit or formation that separates from a larger force and operates independently
146. con_____ble aircraft *adj.* able to be controlled or directed
147. co_____us effort *adj.* being aware of and able to respond to what is happening around you
148. ne_____gy department *n.* the branch of medicine that deals with the diagnosis and treatment of disorders of the nervous system
149. vi___l navigation *adj.* relating to seeing or sight
150. have a thick sk___l *n.* a bone framework that surrounds the brain and gives the head its shape
151. an op_____ne remark *adj.* suitable or happening at a time that is suitable or convenient for a particular purpose
152. federal ci_____t courts *n.* (in electrical engineering) an electrical device that provides a path for electrical current to flow; a journey or route around a particular place or area

ANSWERS: 143. psychedelic, 144. guesswork, 145. detachment, 146. controllable, 147. conscious, 148. neurology, 149. visual, 150. skull, 151. opportune, 152. circuit

153. ane_____ia for surgery *n.* a state of controlled, temporary loss of bodily sensation or awareness that is induced for medical purposes
154. high pu____y *n.* the state of being undiluted or unmixed with anything else; the state of being free from immorality, especially of a sexual nature
155. per_____on of a stimulus *n.* a belief, opinion, or image you have based on how you regard, understand, or interpret something; the ability to see, hear, or notice something through the senses
156. op_____ne occasion *adj.* suitable or happening at a time that is suitable or convenient for a particular purpose
157. tr_____rm heat into power *v.* to change in outward structure or looks;
158. copyrighted so_____re *n.* a set of computer programs and associated documentation and data for doing particular computational jobs
159. vanish into ob_____on *n.* the state of being completely forgotten or unknown; the state of being unconscious or unaware; the condition of being destroyed, wiped out, or erased from existence
160. software pa__h *n.* a small piece of material or fabric used to repair or reinforce a tear, hole, or damaged area; a small plot of land used for cultivation or a specific purpose
161. pr_____le of treatment *n.* a fundamental law or truth that explains or controls how something happens or works

ANSWERS: 153. anesthesia, 154. purity, 155. perception, 156. opportune, 157. transform, 158. software, 159. oblivion, 160. patch, 161. principle

162. a ma__c spell *n.* beliefs and actions employed to influence supernatural beings and forces; any art or performance that invokes supernatural powers
163. int_____ion training *n.* the sense or perception of the internal state of one's body, including physiological processes such as heartbeat, respiration, hunger, pain, and emotional responses
164. in___t gaze *n.* a strong determination or attention to do or achieve something; (adjective) having a strong determination to do or achieve something
165. the in___t of a question *n.* a strong determination or attention to do or achieve something; (adjective) having a strong determination to do or achieve something
166. pai_____sh icon *n.* a tool used for applying paint or other liquid substances to a surface, typically consisting of bristles or synthetic fibers attached to a handle
167. ov___y unnecessary *adv.* to a greater degree than is appropriate or desirable
168. theory of the un_____se *n.* everything that exists, especially all physical matter, including planets, stars, galaxies, and all other forms of matter and energy
169. sop_____ted look *adj.* having a great deal of worldly experience and knowledge of people's behavior, culture, and fashion

ANSWERS: 162. magic, 163. interoception, 164. intent, 165. intent, 166. paintbrush, 167. overly, 168. universe, 169. sophisticated

170. she is ma__c *n.* beliefs and actions employed to influence supernatural beings and forces; any art or performance that invokes supernatural powers
171. st____e for a moment *v.* to cause a sudden or unexpected reaction of surprise, alarm, or fear in someone, typically by means of a sudden and loud noise, movement, or event
172. fl__h eating *n.* the soft substance composing the body of a person or animal, as opposed to bones and other structures
173. pr____t the future *v.* to state beforehand that something will happen in the future, mainly based on knowledge or experience
174. the s__m of a matchstick *n.* the central part of something from which other parts can develop or grow; the part of a word common to all its inflected variants; (verb) to grow out of, have roots in, or originate in
175. cognitive ne____gy *n.* the branch of medicine that deals with the diagnosis and treatment of disorders of the nervous system
176. b__y fingers *adj.* characterized by a prominent, visible bone structure; lacking flesh or muscle; thin, scrawny
177. the imp_____on in a crime *n.* something that is inferred or indirectly stated; the act or fact of being involved in something
178. student on a ti__t budget *adj.* fixed, fastened, or kept together firmly or closely

ANSWERS: 170. magic, 171. startle, 172. flesh, 173. predict, 174. stem, 175. neurology, 176. bony, 177. implication, 178. tight

179. la____y accepted *adv.* virtually entirely; to a large degree
180. human ev_____on *n.* a gradual process of transformation of living things
181. the rem_____le breadth of knowledge *adj.* worthy of attention because unusual or special
182. defense me_____sm *n.* a part of a machine, or a set of parts that performs a task; a natural or established process that occurs during a specific situation or reaction
183. con_____ly aware of a problem *adv.* with awareness; in a deliberate manner
184. sk__l fracture *n.* a bone framework that surrounds the brain and gives the head its shape
185. pa__h of grass *n.* a small piece of material or fabric used to repair or reinforce a tear, hole, or damaged area; a small plot of land used for cultivation or a specific purpose
186. series of exp_____nts *n.* the scientific test conducted to observe what happens and gain new knowledge
187. make my pre_____ons *n.* the act of predicting the future by reasoning; a statement made about the future
188. an unexpected si__t *n.* the ability to see; anything that is seen
189. co_____e the listener *v.* to mistake one thing for another; to make somebody hard to understand
190. a se_____y organ *adj.* of or relating to the physical senses
191. de_____e skillfully *v.* to cause someone to believe something that is not true, often by telling a lie or creating a false impression

ANSWERS: 179. largely, 180. evolution, 181. remarkable, 182. mechanism, 183. consciously, 184. skull, 185. patch, 186. experiment, 187. prediction, 188. sight, 189. confuse, 190. sensory, 191. deceive

192. un____y resemblance *adj.* strange or mysterious, often in a way that is unsettling
193. the Great Dep_____on *n.* a mental condition in which a person feels very unhappy and without hope for the future; a severe recession in an economy or market
194. co___x cells *n.* the outermost layer of an organ, especially the brain
195. pe_____ve light *v.* to become aware or conscious of something through the senses
196. ev_____on theory *n.* a gradual process of transformation of living things
197. enlarged sp___n *n.* a large, blood-rich organ located in the upper left region of the abdomen, known for its role in the immune system, blood storage, and blood filtration
198. he_____at abnormality *n.* the regular movement or sound of the heart as it sends blood around the body; an animating or vital unifying force
199. a criminal bac_____nd *n.* the details of a person's social heritage, such as family, vocational or educational experience; past information that is essential to understanding a situation or problem
200. act con_____ly *adv.* with awareness; in a deliberate manner
201. co_____t a background check *v.* to organize and carry out a particular activity

ANSWERS: 192. uncanny, 193. depression, 194. cortex, 195. perceive, 196. evolution, 197. spleen, 198. heartbeat, 199. background, 200. consciously, 201. conduct

202. up___d documents to the portal *v.* to transfer digital data or files from a local computer or device to a remote server or network; the act of transferring such data or files
203. pe_____ve a threat *v.* to become aware or conscious of something through the senses
204. ind_____ly impact *adv.* not going straight to the point; implying or suggesting something
205. d_m memory *adj.* poorly lit; not bright
206. ma_____l place *adj.* produced by or containing supernatural powers
207. ma_____l powers *adj.* produced by or containing supernatural powers
208. se_____nt beings *adj.* having the ability to perceive or feel things, particularly through sense perception like touch or sight, especially at higher levels of intelligence and consciousness
209. f__e away almost completely *v.* to vanish; to fade away; to lose color; to lose freshness
210. co_____e fantasy with reality *v.* to mistake one thing for another; to make somebody hard to understand
211. im_____e the cloth in the dye *v.* to become fully involved in a particular activity; to dip or submerge in a liquid, especially so that they or it are entirely covered
212. dis_____ve ability *adj.* having a quality or characteristic that makes it stand out from others

ANSWERS: 202. upload, 203. perceive, 204. indirectly, 205. dim, 206. magical, 207. magical, 208. sentient, 209. fade, 210. confuse, 211. immerse, 212. distinctive

213. rep_____ion system *n.* the process by which organisms create offspring; the production of something similar to an original work
214. phy_____cal response *adj.* relating to the normal functioning of living organisms and their organs and systems; concerning the physical or biochemical processes and activities that occur within the body
215. say def_____ly *adv.* without any question and beyond doubt; clearly
216. computer-con_____ble *adj.* able to be controlled or directed
217. se_____nt robots *adj.* having the ability to perceive or feel things, particularly through sense perception like touch or sight, especially at higher levels of intelligence and consciousness
218. co_____ct a dam *v.* to build or create something; to assemble or combine different parts to form something whole
219. a con_____us row of warehouses *adj.* occurring or existing without a pause or interruption
220. su____r a setback *v.* to experience pain, distress, or hardship; to undergo or endure something painful or unpleasant
221. evolutionary bi_____y *n.* the scientific study of life and the natural processes of living things
222. expansion of the un_____se *n.* everything that exists, especially all physical matter, including planets, stars, galaxies, and all other forms of matter and energy

ANSWERS: 213. reproduction, 214. physiological, 215. definitely, 216. controllable, 217. sentient, 218. construct, 219. continuous, 220. suffer, 221. biology, 222. universe

223. the ch_____ry of soil *n.* the branch of the natural sciences dealing with the composition of substances and their properties and reactions
224. pr_____e the amendment *v.* to make a proposal, declare a plan for something
225. d_m and distant past *adj.* poorly lit; not bright
226. app_____ly simple *adv.* based on what you have heard or read
227. a vi_____l image *adj.* being actually such in almost every respect; existing in essence or effect though not in actual fact
228. gr__t a new license *v.* to agree to give or allow somebody
229. sma_____ne app developer *n.* a mobile phone that functions as a computer and connects to the Internet
230. the imp_____on of a word *n.* something that is inferred or indirectly stated; the act or fact of being involved in something
231. professor of ch_____ry *n.* the branch of the natural sciences dealing with the composition of substances and their properties and reactions
232. su_____al food *n.* the state of continuing to exist or live, frequently in the face of difficulty or danger
233. AI expert *n.* (abbreviation for artificial intelligence) the theory and development of computer systems capable of doing activities that would ordinarily need human intelligence, such as object recognition, speech recognition, decision-making, and language translation

ANSWERS: 223. chemistry, 224. propose, 225. dim, 226. apparently, 227. virtual, 228. grant, 229. smartphone, 230. implication, 231. chemistry, 232. survival, 233. AI

234. pr____t when she will arrive *v.* to state beforehand that something will happen in the future, mainly based on knowledge or experience
235. western phi_____hy *n.* the study of general and fundamental questions, such as those about existence, reason, knowledge, values, mind
236. the RSA al_____hm *n.* a set of rules or rigorous instructions typically used to solve a specific problem or to perform a computation
237. the st___m of time *n.* a small, narrow river; a continuous flow of something, such as liquid, gas, people, vehicles, etc.
238. gr__t a land *v.* to agree to give or allow somebody
239. sp_____ic instructions *adj.* clearly defined or particular to a certain thing or situation; distinct, explicit, and precise
240. rely on gu_____rk *n.* the act or process of making an estimate or speculation based on incomplete or uncertain information; conjecture or supposition
241. ane_____ic injection *n.* a substance that is administered to a person or an animal to produce a loss of sensation or consciousness so that medical or surgical procedures can be performed without causing pain
242. v__t majority *adj.* enormous in size, number, amount, or quantity
243. f__e in importance *v.* to vanish; to fade away; to lose color; to lose freshness

ANSWERS: 234. predict, 235. philosophy, 236. algorithm, 237. stream, 238. grant, 239. specific, 240. guesswork, 241. anesthetic, 242. vast, 243. fade

244. dr___y voice *adj.* feeling or showing a strong desire to sleep; causing a feeling of sleepiness or lethargy
245. a pla_____nd on the roof *n.* an area where many people go for recreation, especially at a school or in a park
246. ro_____y speaking *adv.* approximately but not precisely; with a violent manner
247. a ti__t game *adj.* fixed, fastened, or kept together firmly or closely
248. trading of vi_____l currencies *adj.* being actually such in almost every respect; existing in essence or effect though not in actual fact
249. det_____nt from reality *n.* a state of being disconnected or disinterested; impartiality or emotional distance; a military unit or formation that separates from a larger force and operates independently
250. ba__s for calculation *n.* the most important facts, ideas, or events from which something is developed; the way how things are organized or arranged
251. re___e a message *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
252. rep_____ion rate *n.* the process by which organisms create offspring; the production of something similar to an original work

ANSWERS: 244. drowsy, 245. playground, 246. roughly, 247. tight, 248. virtual, 249. detachment, 250. basis, 251. relate, 252. reproduction

253. an ele_____al storm *adj.* relating to electricity
254. b__y structure *adj.* characterized by a prominent, visible bone structure; lacking flesh or muscle; thin, scrawny
255. pr_____s improvement *n.* a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products
256. ov_____ok that fact *v.* to fail to notice something; to watch over someone; to provide a view from above
257. severe cr____c *n.* someone who expresses opinions about the quality of books, music, etc.
258. play a vi__l role *adj.* necessary for the success or continued existence of something
259. field of artificial int_____nce *n.* the ability to learn, comprehend, or make judgments or conclusions based on reasons
260. si_____te climate change *v.* to make a pretense of someone's behavior or looks; to reproduce something that exists in real life using computers, models, etc., usually for study or training purposes
261. ci_____t breaker *n.* (in electrical engineering) an electrical device that provides a path for electrical current to flow; a journey or route around a particular place or area

ANSWERS: 253. electrical, 254. bony, 255. process, 256. overlook, 257. critic, 258. vital, 259. intelligence, 260. simulate, 261. circuit

262. on an equal ba__s *n.* the most important facts, ideas, or events from which something is developed; the way how things are organized or arranged
263. si_____te a future scenario *v.* to make a pretense of someone's behavior or looks; to reproduce something that exists in real life using computers, models, etc., usually for study or training purposes
264. ov_____ok a street *v.* to fail to notice something; to watch over someone; to provide a view from above
265. co_____nt in style *adj.* in agreement or harmony with something; having the same shape and size, often used in mathematics
266. em___y my goal *v.* to represent or exemplify something; to give tangible form to an abstract idea
267. la_____y mitigate the issue *adv.* virtually entirely; to a large degree
268. fun_____al education *adj.* forming an essential base or core from which everything else develops or is affected
269. cr_____re of habit *n.* a living being, especially an animal
270. con_____ty plan *n.* the state or quality of being continuous, uninterrupted, or consistent; the maintenance of a connection, sequence, or pattern
271. a man of pr_____ty *n.* a thing or things that belong to someone

ANSWERS: 262. basis, 263. simulate, 264. overlook, 265. congruent, 266. embody, 267. largely, 268. fundamental, 269. creature, 270. continuity, 271. property

272. develop a st____gy *n.* a detailed plan of action designed to achieve a long-term or overall goal.
273. de____p a strategy *v.* to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created
274. li__r disease *n.* a large organ in the body, involved in many metabolic processes, such as detoxification of the organism, and the synthesis of proteins
275. a dependent va____le *adj.* likely to change or vary often; (noun) a symbol, like x or y, that is used in mathematical or logical expressions to represent a value that may be changed
276. permanent br__n damage *n.* the organ inside the head that is responsible for one's movement, thought, memory, and feeling
277. ill____te a key point *v.* to provide pictures, photographs, diagrams, etc. in a book or something for explanation
278. 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
279. opp____on campaign *n.* the act of disagreeing or resisting; the state of strong disagreement
280. rigid dis____ne *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

ANSWERS: 272. strategy, 273. develop, 274. liver, 275. variable, 276. brain, 277. illustrate, 278. neuron, 279. opposition, 280. discipline

281. nuclear ph____s *n.* the science of matter and energy and their interactions
282. s__m from a belief *n.* the central part of something from which other parts can develop or grow; the part of a word common to all its inflected variants; (verb) to grow out of, have roots in, or originate in
283. a theoretical concept in neu_____nce *n.* the scientific study of the function, structure, and disorder of the brain and the nervous system
284. hal_____te with drug *v.* to experience a seemingly real perception of something that does not actually exist, usually as a result of a mental illness or drug use
285. so_____e fiber *adj.* able to dissolve in a particular substance or solvent; able to be solved or settled
286. ro_____y explain my idea *adv.* approximately but not precisely; with a violent manner
287. fatty li__r *n.* a large organ in the body, involved in many metabolic processes, such as detoxification of the organism, and the synthesis of proteins
288. the me_____sm for DNA replication *n.* a part of a machine, or a set of parts that performs a task; a natural or established process that occurs during a specific situation or reaction
289. co_____nt squares *adj.* in agreement or harmony with something; having the same shape and size, often used in mathematics

ANSWERS: 281. physics, 282. stem, 283. neuroscience, 284. hallucinate, 285. soluble, 286. roughly, 287. liver, 288. mechanism, 289. congruent

290. co_____t research *v.* to organize and carry out a particular activity
291. a fl__h of lightning *n.* a sudden intense burst of radiant energy; a momentary brightness
292. con_____ty of service *n.* the state or quality of being continuous, uninterrupted, or consistent; the maintenance of a connection, sequence, or pattern
293. con_____ly access information *adv.* in a way that happens without interruption or repeatedly
294. di_____nt his audience *v.* to make someone confused about where they are or where they should go
295. sma_____ne addict *n.* a mobile phone that functions as a computer and connects to the Internet
296. v__t desert *adj.* enormous in size, number, amount, or quantity
297. drunken ob_____on *n.* the state of being completely forgotten or unknown; the state of being unconscious or unaware; the condition of being destroyed, wiped out, or erased from existence
298. def_____ly become a problem *adv.* without any question and beyond doubt; clearly
299. chemical pr_____ty *n.* a thing or things that belong to someone
300. ind_____al freedom *n.* a single person or thing, as distinct from a group
301. re___y the game *v.* play something, such as a recording, a piece of music, or a game again

ANSWERS: 290. conduct, 291. flash, 292. continuity, 293. continually, 294. disorient, 295. smartphone, 296. vast, 297. oblivion, 298. definitely, 299. property, 300. individual, 301. replay

302. de____e to lie

v. to cause someone to believe something that is not true, often by telling a lie or creating a false impression

ANSWERS: 302. deceive

Session 3: Fill in the Blanks

1. The algebraic equation had _____ sides, leading to a valid solution.
adj. in agreement or harmony with something; having the same shape and size, often used in mathematics
2. The scientist conducted a study that provided _____ details about the species' behavior.
adj. clearly defined or particular to a certain thing or situation; distinct, explicit, and precise
3. The company specializes in both hardware and _____.
n. a set of computer programs and associated documentation and data for doing particular computational jobs
4. The national election was held amid _____ security.
adj. fixed, fastened, or kept together firmly or closely
5. He is a man admired for the depth of his _____.
n. a belief, opinion, or image you have based on how you regard, understand, or interpret something; the ability to see, hear, or notice something through the senses
6. The _____ party strongly disagreed with the government's proposed legislation.
n. the act of disagreeing or resisting; the state of strong disagreement
7. The _____ of the plant depends on the pollinators.
n. the process by which organisms create offspring; the production of something similar to an original work

ANSWERS: 1. congruent, 2. specific, 3. software, 4. tight, 5. perception, 6. opposition, 7. reproduction

8. Two students answered the teacher's question _____.
- adv.* at the same time
9. This year's extreme heat has resulted in many heat _____ cases.
- n.* a medical condition in which poor blood flow to the brain causes cell death; the act of swinging or striking at a ball with a club, racket, etc.
10. Internet traffic volumes have increased significantly with the advent of _____.
- n.* a mobile phone that functions as a computer and connects to the Internet
11. Nevada is _____ a desert state.
- adv.* virtually entirely; to a large degree
12. Our plan includes a comprehensive marketing _____.
- n.* a detailed plan of action designed to achieve a long-term or overall goal.
13. The new driver struggled to keep a firm grip on the _____ as the horse bolted.
- n.* a long, narrow strap attached to a horse's bit, used to control the animal while riding; a means of controlling or limiting something or someone's actions and behavior; (verb) to control or restrain something, especially something that is becoming excessive or out of control
14. The movie was _____ dramatic, with exaggerated emotions and cliched plot twists.
- adv.* to a greater degree than is appropriate or desirable
15. 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

ANSWERS: 8. simultaneously, 9. stroke, 10. smartphones, 11. largely, 12. strategy, 13. rein, 14. overly, 15. brain

16. He studied the _____ of radiation.

n. the science of matter and energy and their interactions

17. We must _____ a new system to streamline our workflow and increase efficiency.

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

18. I want to _____ a toast in honor of our longstanding relationship.

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

19. The surgeon removed the healthy _____ from the donor.

n. either of a pair of small organs in the body that filter waste products, especially urea, from the blood and excrete them and water in urine

20. Five miles is _____ similar to eight kilometers.

adv. approximately but not precisely; with a violent manner

21. I'm feeling _____ after staying up late last night.

adj. feeling or showing a strong desire to sleep; causing a feeling of sleepiness or lethargy

22. The immigrant struggled to _____ into the new culture.

v. to take in and understand information or ideas; to integrate

23. Sleep-deprived people gradually lose their concentration and may _____.

v. to experience a seemingly real perception of something that does not actually exist, usually as a result of a mental illness or drug use

ANSWERS: 16. physics, 17. develop, 18. propose, 19. kidney, 20. roughly, 21. drowsy, 22. assimilate, 23. hallucinate

24. He is in general _____ under the surgeon.
- n.* a state of controlled, temporary loss of bodily sensation or awareness that is induced for medical purposes
25. These results muddied the _____.
- n.* the act of predicting the future by reasoning; a statement made about the future
26. It's notoriously challenging to _____ birth rates.
- v.* to state beforehand that something will happen in the future, mainly based on knowledge or experience
27. My memory will _____ but my heart will live on.
- v.* to vanish; to fade away; to lose color; to lose freshness
28. Difficulties in _____ have been associated with conditions like autism and anxiety disorders.
- n.* the sense or perception of the internal state of one's body, including physiological processes such as heartbeat, respiration, hunger, pain, and emotional responses
29. The doctor explained that the pain in her abdomen was caused by _____ inflammation.
- n.* a large, blood-rich organ located in the upper left region of the abdomen, known for its role in the immune system, blood storage, and blood filtration
30. The doctor explained the various _____ changes that occur during pregnancy.
- adj.* relating to the normal functioning of living organisms and their organs and systems; concerning the physical or biochemical processes and activities that occur within the body

ANSWERS: 24. anesthesia, 25. prediction, 26. predict, 27. fade, 28. interoception, 29. spleen, 30. physiological

31. He was diagnosed with _____ and was hospitalized for treatment.
- n.* a serious mental disorder characterized by a disconnection from reality, often including hallucinations, delusions, and a lack of insight into one's condition
32. He _____ hypotheses that no mathematician has ever imagined before.
- v.* to build or create something; to assemble or combine different parts to form something whole
33. His poem has a very significant _____.
- n.* something that is inferred or indirectly stated; the act or fact of being involved in something
34. Nerve _____ cross a synapse through the action of neurotransmitters.
- n.* a sudden strong and unreflective wish or need to do something; the electrical discharge that travels along a nerve fiber
35. He performed _____ tricks with sophisticated moves.
- n.* beliefs and actions employed to influence supernatural beings and forces; any art or performance that invokes supernatural powers
36. He could no longer tell the difference between _____ and reality.
- n.* a false idea or belief, especially about somebody or about a situation
37. 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
38. Sharks have highly developed _____ systems and are extremely sensitive creatures.
- adj.* of or relating to the physical senses

ANSWERS: 31. psychosis, 32. constructs, 33. implication, 34. impulses, 35. magic, 36. illusion, 37. neuroscience, 38. sensory

39. The building makes a remarkable _____ impact.

adj. relating to seeing or sight

40. The company's hiring criteria emphasize personality, not a person's _____.

n. the details of a person's social heritage, such as family, vocational or educational experience; past information that is essential to understanding a situation or problem

41. 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

42. Perseverance and optimism are _____ to success.

adj. necessary for the success or continued existence of something

43. We cannot _____ an opportunity for great success.

v. to fail to notice something; to watch over someone; to provide a view from above

44. They study the _____ of the universe.

n. a gradual process of transformation of living things

45. Better sleep leads to increased _____.

n. the set of chemical reactions in cells or organisms that are necessary for life-sustaining

46. She has an _____ sense of who is telling a lie.

adj. strange or mysterious, often in a way that is unsettling

ANSWERS: 39. visual, 40. background, 41. neuron, 42. vital, 43. overlook, 44. evolution, 45. metabolism, 46. uncanny

47. She complained of a _____ lump on her ankle that made walking difficult.
adj. characterized by a prominent, visible bone structure; lacking flesh or muscle; thin, scrawny
48. The Prime Minister will pay a courtesy visit to the Nobel laureate's _____.
n. a workplace for the conduct of scientific research; a laboratory
49. Canada _____ on the United States.
v. to move forward by leaps and bounds; to form the boundary of something
50. The company's financial records _____ how successful it has been.
v. to provide pictures, photographs, diagrams, etc. in a book or something for explanation
51. He _____ himself in his research.
v. to become fully involved in a particular activity; to dip or submerge in a liquid, especially so that they or it are entirely covered
52. His writing style was _____ with a clear and concise voice.
adj. having a quality or characteristic that makes it stand out from others
53. Efficiency isn't an essential _____ here; fairness is.
n. a fundamental law or truth that explains or controls how something happens or works
54. Making decisions based on _____ can lead to costly mistakes.
n. the act or process of making an estimate or speculation based on incomplete or uncertain information; conjecture or supposition

ANSWERS: 47. bony, 48. lab, 49. bounds, 50. illustrate, 51. immersed, 52. distinctive, 53. principle, 54. guesswork

55. The deep sea _____ was unlike anything the scientists had ever seen before.

n. a living being, especially an animal

56. He evaluated his chances for _____ rather pessimistically.

n. the state of continuing to exist or live, frequently in the face of difficulty or danger

57. The author's work was forgotten and fell into _____ after his death.

n. the state of being completely forgotten or unknown; the state of being unconscious or unaware; the condition of being destroyed, wiped out, or erased from existence

58. The shark's powerful _____ allowed it to swim at high speeds.

n. a thin flat part on the body of a fish or other aquatic animal used for propulsion or balance

59. The _____ light made it difficult to read the book.

adj. poorly lit; not bright

60. The sugar is _____ in hot water and dissolves easily.

adj. able to dissolve in a particular substance or solvent; able to be solved or settled

61. The magician's illusions were designed to _____ the audience into believing they saw something impossible.

v. to cause someone to believe something that is not true, often by telling a lie or creating a false impression

62. Marketing strategies are growing more _____.

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

ANSWERS: 55. creature, 56. survival, 57. oblivion, 58. fins, 59. dim, 60. soluble, 61. deceive, 62. sophisticated

63. Police will _____ random breath testing for drunk driving.
v. to organize and carry out a particular activity
64. Hydrogen and oxygen _____ to form water.
v. to join or merge to form a single thing or group
65. The older man _____ from arthritis and finds it difficult to move around.
v. to experience pain, distress, or hardship; to undergo or endure something painful or unpleasant
66. His _____ showed highly positive results.
n. the scientific test conducted to observe what happens and gain new knowledge
67. 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
68. The _____ of starting a new business can be both exciting and daunting.
n. the possibility or likelihood of something happening or being successful; a person or thing that is likely to succeed or become popular; a potential customer or client; (verb) to explore for useful or valuable things or substances, such as minerals
69. We can evaluate the performance of an _____ in terms of computation time.
n. a set of rules or rigorous instructions typically used to solve a specific problem or to perform a computation
70. Ethics is a branch of _____.
n. the study of general and fundamental questions, such as those about existence, reason, knowledge, values, mind

ANSWERS: 63. conduct, 64. combine, 65. suffers, 66. experiments, 67. relate, 68. prospect, 69. algorithm, 70. philosophy

71. The phone rang at the most _____ time.

adj. suitable or happening at a time that is suitable or convenient for a particular purpose

72. He became _____ that he was being followed.

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

73. The company's new products _____ the values of innovation and sustainability.

v. to represent or exemplify something; to give tangible form to an abstract idea

74. Rainfall in the tropics is highly _____.

adj. likely to change or vary often; (noun) a symbol, like x or y, that is used in mathematical or logical expressions to represent a value that may be changed

75. Actuators convert _____ pulses into motion.

adj. relating to electricity

76. The cerebral _____ consists of six layers.

n. the outermost layer of an organ, especially the brain

77. The new software is not _____ with the old operating system, causing compatibility issues and errors.

adj. capable of coexisting or working together without conflict or inconsistency; harmonious or well-matched

78. Their headquarters are in a _____ skyscraper.

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

79. The new software is much more _____ and user-friendly.

adj. able to be controlled or directed

ANSWERS: 71. opportune, 72. conscious, 73. embody, 74. variable, 75. electrical, 76. cortex, 77. compatible, 78. modern, 79. controllable

80. In terms of _____ he was head and shoulders above his classmates.
n. the ability to learn, comprehend, or make judgments or conclusions based on reasons
81. Many famous _____ are within walking distance.
n. the ability to see; anything that is seen
82. Her tongue runs on _____.
adv. in a way that happens without interruption or repeatedly
83. The dentist administered an _____ to numb the patient's mouth before the procedure.
n. a substance that is administered to a person or an animal to produce a loss of sensation or consciousness so that medical or surgical procedures can be performed without causing pain
84. The company decided to _____ production of the product.
v. to stop an action or event
85. He pushed the button and _____ the video again.
v. play something, such as a recording, a piece of music, or a game again
86. Three _____ tenors performed during the president's inauguration.
adj. renowned for possessing admirable attributes
87. As an _____ he had the right to make his own decisions and live his life as he saw fit.
n. a single person or thing, as distinct from a group

ANSWERS: 80. intelligence, 81. sights, 82. continually, 83. anesthetic, 84. cease, 85. replayed, 86. celebrated, 87. individual,

88. She used a flat _____ to apply the final touches to the artwork.
- n.* a tool used for applying paint or other liquid substances to a surface, typically consisting of bristles or synthetic fibers attached to a handle
89. The _____ of the fruit is sweet and juicy.
- n.* the soft substance composing the body of a person or animal, as opposed to bones and other structures
90. 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
91. He quickly learned the military _____.
- 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
92. He discovered unique _____ for photochemical reactions.
- n.* a part of a machine, or a set of parts that performs a task; a natural or established process that occurs during a specific situation or reaction
93. A rose has thorns on its _____.
- n.* the central part of something from which other parts can develop or grow; the part of a word common to all its inflected variants; (verb) to grow out of, have roots in, or originate in
94. The body's ability to maintain _____ is essential for survival in harsh environments.
- n.* the maintenance of stability or balance within an organism or system through various physiological processes that regulate internal conditions, such as temperature and pH

ANSWERS: 88. paintbrush, 89. flesh, 90. basis, 91. discipline, 92. mechanisms, 93. stem, 94. homeostasis

95. 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
96. The designer's _____ was to create a minimalist aesthetic for the interior of the building.
- n.* a strong determination or attention to do or achieve something; (adjective) having a strong determination to do or achieve something
97. The tree cast a _____ over the picnic area, providing relief from the sun.
- n.* a dark area or shape cast by an object blocking the passage of light; an area in darkness or shade; a reflected image or copy of something; a person, activity, or influence that follows or accompanies someone or something closely and persistently, often in a secretive or ominous manner
98. The patient displays a _____ of a side effect.
- n.* any sensation or change in body or mind that is experienced by a patient and is associated with a particular disease
99. He stood to inherit a million-dollar _____.
- n.* a thing or things that belong to someone
100. Jet _____ are the common name for air currents that form high in the atmosphere.
- n.* a small, narrow river; a continuous flow of something, such as liquid, gas, people, vehicles, etc.
101. She _____ the sore spot on her leg to ease the pain.
- v.* to move one's hand or an object over the surface of something with pressure

ANSWERS: 95. psychiatry, 96. intent, 97. shadow, 98. symptom, 99. property, 100. streams, 101. rubbed

102. The Beatles' _____ music was a hallmark of the 1960s counterculture movement.

adj. relating to or characterized by the use of drugs or the effects that produce altered perceptions, heightened awareness, and vivid imagery; describing art, music, or fashion characterized by bright colors, bold patterns, and unconventional designs

103. He _____ to the hope that he will find a job soon.

v. to hold onto something tightly; to be closely attached to someone or something

104. Higher _____ requires additional equipment and energy.

n. the state of being undiluted or unmixed with anything else; the state of being free from immorality, especially of a sexual nature

105. The _____ of the two groups is good for brainstorming.

n. the act of connecting with someone, mainly when working, playing, or spending time with them

106. A _____ audience viewed the broadcast.

adj. enormous in size, number, amount, or quantity

107. The evolution of processors has dramatically improved the performance of ____.

n. (abbreviation for artificial intelligence) the theory and development of computer systems capable of doing activities that would ordinarily need human intelligence, such as object recognition, speech recognition, decision-making, and language translation

108. The paper is _____ worth reading thoroughly.

adv. without any question and beyond doubt; clearly

ANSWERS: 102. psychedelic, 103. clings, 104. purity, 105. interaction, 106. vast, 107. AI, 108. definitely

109. New York is the commercial _____ of America.

- n.* the regular movement or sound of the heart as it sends blood around the body; an animating or vital unifying force

110. My father's death _____ my life completely.

- v.* to change in outward structure or looks;

111. The _____ is about 13.8 billion years old.

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

112. He is familiar with _____ and biology.

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

113. Human behavior has _____ characteristics.

- adj.* forming an essential base or core from which everything else develops or is affected

114. The heavy snow has been _____ since last morning.

- adj.* occurring or existing without a pause or interruption

115. She is the _____ president of the company.

- adj.* being actually such in almost every respect; existing in essence or effect though not in actual fact

116. The loud bang outside the window caused him to _____ and spill his coffee.

- v.* to cause a sudden or unexpected reaction of surprise, alarm, or fear in someone, typically by means of a sudden and loud noise, movement, or event

ANSWERS: 109. heartbeat, 110. transformed, 111. universe, 112. chemistry, 113. fundamental, 114. continuous, 115. virtual, 116. startle

117. The prime minister canceled visits to other countries to resolve _____ disputes.

adj. of or relating to the inside of something

118. This accident _____ a dark shadow over their lives.

v. to cause light or shadow to appear on a surface; to assign or choose someone such as an actor or representative, especially by selection process

119. He _____ criticizes her in the publicity.

adv. with awareness; in a deliberate manner

120. The _____ patient was experiencing severe auditory hallucinations.

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

121. The patient will undergo _____ transplant surgery tomorrow.

n. a large organ in the body, involved in many metabolic processes, such as detoxification of the organism, and the synthesis of proteins

122. Australia is widely _____ as having low levels of corruption.

v. to become aware or conscious of something through the senses

123. When I was a child, my mother often cast _____ spells to ease my pain whenever I was injured.

adj. produced by or containing supernatural powers

124. In junior high school, we had to dissect a frog in _____ class.

n. the scientific study of life and the natural processes of living things

ANSWERS: 117. internal, 118. cast, 119. consciously, 120. schizophrenia, 121. liver, 122. perceived, 123. magical, 124. biology

125. His professional experience includes all _____ of media production.
n. one part or feature of a situation, problem, subject, etc.
126. The police _____ believed this explanation was plausible.
adv. based on what you have heard or read
127. The vase was made of _____ ceramic and easily broke when it was dropped.
adj. delicate or easily broken or damaged
128. Archaeologists found a Neanderthal _____ at that historic site.
n. a bone framework that surrounds the brain and gives the head its shape
129. I need to sew a _____ onto my jeans that ripped.
n. a small piece of material or fabric used to repair or reinforce a tear, hole, or damaged area; a small plot of land used for cultivation or a specific purpose
130. The CEO _____ expressed her disappointment with the project's progress.
adv. not going straight to the point; implying or suggesting something
131. An intelligent battery has a voltage monitoring _____.
n. (in electrical engineering) an electrical device that provides a path for electrical current to flow; a journey or route around a particular place or area
132. Advocates for legal reform hear less harsh words from their _____.
n. someone who expresses opinions about the quality of books, music, etc.
133. The election was a _____ success for the Whigs.
adj. worthy of attention because unusual or special

ANSWERS: 125. aspects, 126. apparently, 127. fragile, 128. skull, 129. patch, 130. indirectly, 131. circuit, 132. critics, 133. remarkable

134. Several studies have indicated that human activity at sea might _____ dolphins and whales.
v. to make someone confused about where they are or where they should go
135. The chairperson _____ him the right to speak.
v. to agree to give or allow somebody
136. The prime minister was not well prepared for the debate and _____ it
adj. not genuine; fraudulent or counterfeit
137. The policies he announces can be the _____ of economic growth in the country.
n. a machine that converts thermal energy to mechanical work; something that has an important role used to achieve a purpose
138. These heavy rains caused _____ floods on several islands.
n. a sudden intense burst of radiant energy; a momentary brightness
139. The _____ surrounding the disappearance of the traveler has yet to be solved by authorities.
n. something difficult to understand or explain; a secret or enigmatic quality that adds to the fascination or interest of something; a genre of fiction that involves the solution of a crime or a puzzle
140. We hiked to the top of the hill for a _____ view of the city below.
adj. relating to an unobstructed and wide view of an extensive area; all-encompassing
141. She is studying clinical _____ to become a brain surgeon.
n. the branch of medicine that deals with the diagnosis and treatment of disorders of the nervous system

ANSWERS: 134. disorient, 135. granted, 136. faked, 137. engine, 138. flash, 139. mystery, 140. panoramic, 141. neurology

142. He cast _____ glances behind her.

adj. worried and nervous

143. He had painted the wood to _____ stone.

v. to make a pretense of someone's behavior or looks; to reproduce something that exists in real life using computers, models, etc., usually for study or training purposes

144. I need to _____ these pictures to my computer to edit them.

v. to transfer digital data or files from a local computer or device to a remote server or network; the act of transferring such data or files

145. The _____ for applying for a visa can be lengthy and complicated.

n. a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products

146. The _____ of the soldiers was evident as they carried out their mission with precision and focus.

n. a state of being disconnected or disinterested; impartiality or emotional distance; a military unit or formation that separates from a larger force and operates independently

147. Her remarks _____ the debate.

v. to mistake one thing for another; to make somebody hard to understand

148. Animals such as dolphins and elephants are highly _____ and intelligent creatures.

adj. having the ability to perceive or feel things, particularly through sense perception like touch or sight, especially at higher levels of intelligence and consciousness

ANSWERS: 142. anxious, 143. simulate, 144. upload, 145. process, 146. detachment, 147. confused, 148. sentient

149. _____ symptoms might include a decrease in appetite and weight loss.
- n.* a mental condition in which a person feels very unhappy and without hope for the future; a severe recession in an economy or market
150. There is a woods with a creek near the school _____.
- n.* an area where many people go for recreation, especially at a school or in a park
151. The sudden departure of the team leader disrupted the project's _____.
- n.* the state or quality of being continuous, uninterrupted, or consistent; the maintenance of a connection, sequence, or pattern

ANSWERS: 149. Depression, 150. playground, 151. continuity