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Nita Farahany: Your right to mental privacy in the age of brain-sensing tech | TED Talk

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

All Words

IMPORTANT

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Session 1: Word List

virtually

adv. almost completely

synonym: almost, basically, nearly

(1) **virtually** all countries, (2) **virtually** identical

Virtually all the parties signed the contract.

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**.

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.

footstep

n. a step, or the sound generated by a person walking when their foot hits the ground

synonym: footfall, step

(1) **footsteps** in the corridor, (2) approaching **footsteps**

The sound of oncoming **footsteps** grew louder, closer.

breath

n. the air that is taken into and expelled from your lungs; the process of taking into and expelling air from your lungs

synonym : air, puff, whiff

(1) hold your **breath**, (2) **breath** of wind

He bated his **breath** when talking about this affair.

temperature

n. the degree of hotness or coldness of a thing or place

synonym : climate, warmth, degree

(1) extreme **temperatures**, (2) the atmospheric

temperature

Cities around the world set records for highest **temperatures** this summer.

consume

v. to spend something, especially fuel, energy, or time, in a large amount

synonym : absorb, ingest, use up

(1) **consume** a large of alcohol, (2) **consume** electricity

A smaller car will **consume** less fuel.

neurotechnology

n. technology or advancements in the field of neuroscience, often related to the study or manipulation of the brain or nervous system

synonym : brain-machine interfaces, neural implants, neuroprosthetics

(1) **neurotechnology** startup, (2) advanced

neurotechnology

Research in **neurotechnology** is leading to groundbreaking advancements in brain-computer interfaces.

device

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

synonym : gadget, instrument, tool

(1) electronic **device**, (2) tracking **device**

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

meta

adj. pertaining to or involving a higher or more abstract level of analysis, interpretation, or self-reference, often used to describe aspects of gaming, social media, or other online communities that involve self-conscious or self-referential elements

synonym: self-referential, introspective, recursive

(1) **meta-analysis**, (2) **meta-language**

The **meta** description of a website is an important element for search engine optimization.

snap

v. to record on photographic film; to make a sudden, sharp sound; (noun) the act of catching an object with the hands

synonym: break, crack, fracture

(1) **snap** a whip, (2) **snap** judgment

She **snapped** a quick picture of the beautiful sunset before it disappeared.

embed

v. to fix or set firmly in a surrounding mass

synonym: entrench, fix, set

(1) **embed** scripts in the message, (2) **embed** a sensor

The company **embedded** a tracking code in the product's packaging to monitor its shipment.

earbud

n. a small electronic device that fits into the ear canal and is used for listening to music or for communication, especially when attached to a portable audio player or mobile phone

synonym: earphone, headphone

(1) wireless **earbud**, (2) sport **earbuds**

He bought noise-canceling **earbuds** to help him concentrate while working in a noisy environment.

tattoo

n. a form of body modification made by inserting ink, dyes, or pigments, either permanent or temporary, into the skin to form a design

synonym: emblem, symbol

(1) a **tattoo** artist, (2) a person who has a **tattoo**

Any activity on the Internet will be stored as a digital **tattoo** for life.

inflection

n. a change in the pitch or tone of one's voice; a change in the form of a word to indicate tense, mood, gender, or other grammatical categories

synonym: accent, intonation, modulation

(1) **inflection** in voice, (2) **inflection** pattern

The linguist studied the **inflection** of the language's inflection in speech.

transparency

n. the condition or quality of being easy to see through

synonym: clearness, clarity, translucence

(1) lack of **transparency**, (2) **transparency** during the trials

The main discussion topic is government **transparency**.

niche

n. a specialized role or position that a species occupies within an ecosystem; a job or position particularly well suited to the person who occupies it

synonym: role, position, habitat

(1) **niche** market, (2) every **niche** of society

The species occupies a unique **niche** in the ecosystem as a top predator.

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.

augment

v. to increase the size, extent, quantity, etc. of something by adding something to it

synonym : boost, increase, expand

(1) **augment** the reality, (2) **augment** immunity

Economic factors and monetary policy **augmented** inflation.

primary

adj. first or highest in rank, order, or importance; most fundamental or essential; pertaining to the initial or introductory stage of something, such as a school year or election cycle

synonym : chief, main, fundamental

(1) **primary** school, (2) **primary** education

The **primary** cause of the accident was due to the icy road conditions.

interact

v. to communicate or react with somebody

synonym : cooperate, combine, collaborate

(1) **interact** directly with customers, (2) **interact** with one another

He should **interact** more with his colleagues.

conservative

adj. holding traditional views and values and opposed to change or innovation

synonym : traditional, reactionary, cautious

(1) a **conservative** society, (2) **conservative** about production

He always makes a **conservative** estimation when predicting future sales.

estimate

v. to guess or calculate the cost, size, value, etc. of something

synonym : calculate, gauge, evaluate

(1) **estimate** a fair value, (2) **estimate** this chicken to weigh three pounds

We **estimated** the season's total trade deficit at \$50 billion.

industrious

adj. hardworking, diligent, and persistent in effort

synonym : diligent, hardworking, assiduous

(1) **industrious** worker, (2) **industrious** student
He was known to be very **industrious** and would often work late into the night.

unprecedented

adj. never having been seen, done, or known before
synonym: novel, outstanding, unparalleled

(1) **unprecedented** boom, (2) **unprecedented** business opportunity

Unprecedented amounts of heckling and slogan-shouting took place throughout the event.

possibility

n. a chance that something may happen or be true
synonym: chance, prospect, likelihood

(1) **possibility** for growth, (2) **possibility** of a major earthquake

The **possibility** of getting the disease will drastically increase.

well-being

n. the state of being happy and healthy and prosperous
synonym: health, welfare, happiness

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

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

neurological

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

synonym: nervous, neural, brain-related

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

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

disease

n. a disorder or illness that affects the body or mind, often characterized by specific symptoms or abnormal functioning of organs or systems

synonym: illness, ailment, affliction

(1) **disease** prevention, (2) **disease** control

The doctor diagnosed him with a rare **disease** that had no known cure.

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.

struggle

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

synonym: toil, strive, compete

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

He could not **struggle** against temptation.

dementia

n. a severe decline in cognitive function, especially memory, as a result of disease or injury

synonym: cognitive decline, memory loss, Alzheimer's disease

(1) **dementia** patients, (2) probably have **dementia**

The study found that regular exercise can help to prevent the onset of **dementia** in older age.

Alzheimer

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

synonym: dementia, memory loss, cognitive decline

(1) **Alzheimer's** brain, (2) **Alzheimer's** risk factors

My grandmother has **Alzheimer's** disease requires special care and attention from her caregivers.

disorder

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

synonym : chaos, disturbance, disease

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

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

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.

transparent

adj. easy to perceive, detect, or understand; (of a material or article) permitting light to pass through freely

synonym : translucent, evident, diaphanous

(1) a **transparent** lie, (2) **transparent** crystal

The focus of these initiatives is to make the financial system more **transparent**.

introductory

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

synonym : beginning, preliminary, initial

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

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

extraordinary

adj. exceptional, unexpected, very unusual; surpassing the ordinary or usual

synonym : exceptional, noteworthy, astonishing

(1) **extraordinary** ability, (2) **extraordinary** weather

He narrated the **extraordinary** story of his adventure.

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.

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**.

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.

norm

n. something that is regarded as usual, typical, or standard
synonym : criterion, mean, standard

(1) **norm** of action, (2) cultural **norm**

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

profoundly

adv. to a great or complete degree; deeply
synonym : deeply, greatly, completely

(1) **profoundly** insightful, (2) sleep **profoundly**

The novel affected her **profoundly**, causing her to question her beliefs and values.

cradle

n. a small bed for an infant, often designed to rock back and forth; a place or region where something begins or originates

synonym : infancy, beginning, origin

(1) from the **cradle** to the grave, (2) **cradle** of civilization

The baby peacefully slept in her **cradle**, surrounded by

stuffed animals and blankets.

prolong

v. to extend the duration or length of something, particularly a period of time or an event

synonym: extend, lengthen, stretch

(1) **prolong** the agony, (2) measures to **prolong** the lifespan

We need to **prolong** the meeting for another hour to discuss all the issues.

hospitalize

v. to admit someone to a hospital for medical treatment

synonym: admit, place in hospital

(1) **hospitalize** patient, (2) **hospitalize** child

She had to be **hospitalized** due to her injuries.

complication

n. something that makes a situation or condition that is complex or confused

synonym: confusion, complexity, difficulty

(1) **complication** of structure, (2) resolve without **complication**

He also continued to struggle with serious long-term **complications**.

infection

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

synonym: contagion, disease, transmission

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

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

claim

v. to assert that something is true; to demand or request something as one's own; to lay legal or moral right to something; (noun) a demand or assertion of a right or something that one believes to be true

synonym: assert, declare, maintain

(1) **claim** responsibility, (2) false **claim**

He wants to **claim** ownership of the abandoned property.

harrowing

adj. causing distress or suffering; extremely distressing

synonym: traumatic, torturous, distressing

(1) **harrowing** battle, (2) **harrowing** journey

Her **harrowing** experience in the war had left her with deep emotional scars.

trauma

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

synonym: agony, injury, ordeal

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

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

wit

n. the ability to say or write things or ideas in a clever and humorous way

synonym: humor, comedy, funniness

(1) the **wit** of man, (2) full of **wit**

He has the **wit** to keep talking about this topic.

stretch

v. to make or be capable of making anything longer or broader without hurting or breaking

synonym: lengthen, prolong, extend

(1) **stretch** along the coast, (2) **stretch** a story

Some herds have been observed to **stretch** hundreds of kilometers.

progression

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

synonym: advancement, development, evolution

(1) **progression** of civilization, (2) **progression** of disease

The company has made great strides in its **progression** toward sustainability.

traumatic

adj. relating to or caused by injury, especially emotional injury

synonym : distressing

(1) **traumatic** event, (2) **traumatic** brain injury

The experience was so **traumatic** that it left a lasting impact on the survivor's mental health.

relive

v. to experience again or bring back the memory of a past event or time

synonym : revisit, recall, remember

(1) **relive** my youth, (2) **relive** moments

I like to watch old movies to **relive** memories of my childhood.

emergency

n. a sudden unforeseen crisis usually involving danger that requires immediate action

synonym : crisis, trouble, difficulty

(1) **emergency** action, (2) acute **emergency**

The president declared a state of **emergency**.

gut

n. the long tube in the body of a person or animal through which food passes when it leaves the stomach; the mental strength or bravery required to do something difficult or unpleasant

synonym : belly, abdomen, courage

(1) the blind **gut**, (2) **gut** feelings

He told me a **gut-wrenching** truth about my parent's death.

ultimate

adj. furthest or highest in degree or order

synonym : highest, maximum, foremost

(1) the **ultimate** goal in life, (2) the **ultimate** luxury

Management must take **ultimate** responsibility for the accident.

talented

adj. having a natural ability or aptitude for something; showing exceptional skill or ability in a particular area

synonym : gifted, able, skilled

(1) a very **talented** actor, (2) **talented** athlete
She is a **talented** musician, able to play several instruments.

psychology

n. the scientific study of mind and behavior
(1) **psychology** experiment, (2) **psychology** of crowd
She had a master's degree in **psychology**.

exposure

n. the state of being in a particular situation or place where there is no protection from or guarantee to something harmful; the disclosure of something secret
synonym: vulnerability, disclosure, uncovering
(1) a southern **exposure**, (2) the **exposure** of a fraud
The long **exposure** to the air tarnished the antique tableware.

therapy

n. the act of caring for someone through medication, remedial training, etc.
synonym: antidote, medicine, treatment
(1) **therapy** for a patient, (2) field of gene **therapy**
I underwent aversion **therapy** for my addiction to alcohol.

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.

innovative

adj. introducing or using new methods, ideas, etc.
synonym: creative, ingenious, inventive
(1) use of **innovative** technology, (2) stylistically **innovative** works
The Prime Minister stressed the need to create **innovative** industries.

decode

v. to convert something, such as a message or piece of information, from a specific form into one that you can understand

synonym : decipher, translate, interpret

(1) **decode** a message, (2) ability to **decode** the differences

The software could **decode** the encrypted data and reveal the hidden information.

reprieve

v. to temporarily halt or cancel a punishment, especially death or other severe penalties; to provide temporary relief or break from something unpleasant or stressful;
(noun) a temporary postponement or relief from something difficult or unpleasant, such as a punishment, a duty, or a difficult situation

synonym : pardon, respite

(1) **reprieve** the athlete from the competition, (2) granting a **reprieve** from punishment

The governor decided to **reprieve** the prisoner's death sentence temporarily.

groundbreaking

adj. producing fresh findings; using novel techniques

synonym : innovative, revolutionary

(1) **groundbreaking** concept, (2) **groundbreaking** settlement

He has produced **groundbreaking** research on the subject.

machine-learning

n. the process through which computers change the way they perform jobs without following explicit instructions by using algorithms and statistical models to analyze and draw inferences from patterns in data

(1) **machine-learning** method, (2) **machine-learning** processor

Many software engineers are developing applications to build **machine-learning** algorithms more quickly.

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.

identify

v. to recognize someone or something and say or prove who or what they are

synonym: determine, specify, recognize

(1) **identify** handwriting, (2) **identify** gene sequences

I will introduce you to how to **identify** the leading causes of the malfunction.

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.

associate

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

synonym: tie in, link, consociate

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

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

participate

v. to take part in something

synonym: take part, partake, enter

(1) **participate** fully in conversation, (2) **participate** in the program

The majority of students actively **participated** in the college's intramural sports program.

retrain

v. to teach or learn a new or different set of skills or knowledge, usually to adapt to a new job, situation, or technology

synonym: educate, instruct

(1) **retrain** employees, (2) **retrain** skills

She plans to **retrain** in a new field after retiring from her

current career.

association

n. a people or groups of people who have joined in a single organization together for a particular purpose; a social or business connection or relationship

synonym: affiliation, collaboration, society

(1) word **associations**, (2) a scholarship **association**

His membership in the **association** provided him with numerous benefits.

overcome

v. to succeed in controlling or dealing with something, such as a problem or difficulty; to defeat or overwhelm someone

synonym: beat, confound, overwhelm

(1) **overcome** opponents, (2) **overcome** all difficulties

He tried to **overcome** a bad reputation and win the election.

severe

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

synonym: harsh, relentless, powerful

(1) **severe** heat, (2) a **severe** case of pneumonia

The senator received **severe** criticism from his opponent.

intractable

adj. difficult to manage or control; stubborn or obstinate

synonym: obstinate, stubborn, unyielding

(1) **intractable** pain, (2) **intractable** situation

The **intractable** problem defied a solution.

implant

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

synonym: insert, fix, place

(1) **implant** genes in the animals, (2) **implant** into the uterus

The doctor will **implant** a pacemaker to regulate his heart rate.

reset

v. to set again or differently; to return to a previous state or condition

synonym : restart, reinitialize, set anew

(1) **reset** password, (2) **reset** my brain

She **reset** the computer to fix the problem.

pacemaker

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

synonym : heartbeat regulator, pacer, pacesetter

(1) implanted **pacemaker**, (2) **pacemaker** battery

Some people with **pacemakers** may need to avoid certain activities or sources of electromagnetic interference.

reclaim

v. to take back something previously lost, given, or paid, or ask to have it back

synonym : recoup, regain, retake

(1) **reclaim** a competitive position, (2) **reclaim** land from the sea

You may be entitled to **reclaim** some tax.

advance

v. to go or move forward; to develop in a positive way

synonym : progress, boost, come along

(1) **advance** the technology, (2) **advance** a cooperative relationship

Scientific knowledge will **advance** significantly with the power of AI.

embedded

adj. fixed firmly into the surface of something

synonym : ingrained, implanted, inserted

(1) **embedded** systems, (2) LED- **embedded** glass

The **embedded** chip in my credit card allows me to make contactless payments.

ordinary

adj. not different, exceptional, or unexpected in any way, especially in quality, ability, size, or degree

synonym : mundane, prosaic, average

(1) an **ordinary** school, (2) **ordinary** annual revenue
The **ordinary** session of the Diet opened.

quarter

n. one of four equal parts; a fourth part or portion
synonym: fourth, one-fourth

(1) a **quarter** mile, (2) end of the first **quarter**
The unemployment rate in the first **quarter** was 2.3 percentage points higher than in the previous.

epilepsy

n. a neurological disorder characterized by recurrent seizures or convulsions, which can manifest in a variety of ways and be caused by various factors
synonym: seizures, convulsions, fits

(1) **epilepsy** seizure, (2) **epilepsy** medication
The flashing lights at the concert triggered her **epilepsy** and caused a seizure.

conventional

adj. based on or following traditional rules, standards, customs, etc.
synonym: ancestral, customary, established

(1) a **conventional** style, (2) get a **conventional** loan
She is very **conventional** in her thoughts.

seizure

n. the action of taking something from somebody by the use of legal authority; a sudden occurrence or recurrence of a disease
synonym: confiscation, expropriation, takeover

(1) **seizure** of a debtor's property, (2) a heart **seizure**
Customs have made their biggest ever **seizure** of cocaine.

medication

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

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

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.

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**.

recognition

- n. the action or process of recognizing or being recognized, especially by remembering; an agreement that something is true or legal

synonym: acknowledgement, identification, credit

- (1) **recognition** award, (2) joint **recognition**

He was given **recognition** for his outstanding work in the field of medicine.

electroencephalography

- (also "EEG") a diagnostic medical procedure that involves the use of electrodes placed on the scalp to measure and record the electrical activity of the brain often used to assess and diagnose various neurological conditions

synonym: brain wave test, EEG, neural scan

- (1) **electroencephalography** test, (2) abnormal **electroencephalography**

She is an **electroencephalography** technician skilled in

performing EEG tests on patients.

detection

n. the act of discovering or identifying the presence of something

synonym: discovery, identification, recognition

(1) **detection** by the security software, (2) importance of early **detection**

This smartphone has a collision **detection** function.

lifesaving

n. the act or process of rescuing someone else's life, especially from drowning

(1) **lifesaving** efforts, (2) **lifesaving** device

The patient needs a **lifesaving** transplant operation.

alert

v. to warn or arouse to a sense of danger; (adjective) paying close attention or being in a state of readiness for action

synonym: warn, inform, (adjective) vigilant

(1) **alert** consumers to the dangers, (2) **alert** system

The company's cybersecurity team **alerted** the CEO to potential threats.

detect

v. to find or recognize something, especially something difficult to see, hear, etc.

synonym: catch, observe, notice

(1) **detect** a bad event, (2) **detect** smuggling across borders

The security camera has **detected** four intruders.

aggressive

adj. behaving in an angry, energetic, or threatening way towards another person; tending to spread quickly

synonym: assertive, combative, threatening

(1) an **aggressive** war, (2) an **aggressive** tumor

An **aggressive** tide wrecked the ship.

tumor

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

synonym: neoplasm, mass, lump

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

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

glioblastoma

n. an aggressive and malignant type of brain tumor that arises from glial cells, particularly astrocytes, and is associated with a poor prognosis and high mortality rate

synonym: brain tumor, astrocytoma, cerebral glioma

(1) **glioblastoma** treatment, (2) cerebral **glioblastoma**

The doctor explained the **glioblastoma** prognosis to the patient and his family, stressing the seriousness of the condition.

crucial

adj. extremely vital or necessary

synonym: essential, pivotal, vital

(1) **crucial** information, (2) a **crucial** issue for women

The revitalization of technology companies is **crucial** to the country's growth.

injury

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

synonym: wound, damage, hurt

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

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

staggering

adj. so shocking as to stun or overwhelm

synonym: astounding, astonishing, stunning

(1) **staggering** number, (2) a **staggering** defeat

The amount of money required was **staggering**.

controversy

n. a lot of discussion and argument about something, often involving strong feelings of anger or disapproval

synonym: disagreement, dispute, argument

(1) **controversy** among researchers, (2) arouse **controversy**

They entered into **controversy** with the member of the ruling party.

unsupported

adj. not given financial or other aid; not having any proof or evidence

synonym : baseless, unfounded, unwarranted

(1) **unsupported** rumor, (2) fight **unsupported**

Removal of the central poll left the roof **unsupported**.

platform

n. the raised flat space close to the track at a train station where passengers get on or off the train; (technology) a computational or digital environment in which a piece of software is executed

synonym : stage, podium, forum

(1) an arrival **platform**, (2) a digital **platform** for enterprise

The speaker mounted the **platform** and started to speak.

cognizant

adj. aware of or knowledgeable about something; having consciousness or recognition of something

synonym : aware, mindful, conscious

(1) **cognizant** of the risk, (2) become **cognizant**

I have to be **cognizant** of my budget when I go on vacation.

improvisation

n. the act of making something up on the spot or creating or performing something without preparation

synonym : spontaneity, ad-lib, extemporization

(1) **improvisation** on stage, (2) jazz **improvisation**

He created a beautiful piece of music using only **improvisation**.

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.

function

n. the purpose or use of an object, system, or process; a particular activity or operation that is designed to serve a specific purpose; a mathematical concept that describes a relationship between two sets of values, called the input and output sets; (verb) to operate or work in a specific way, or to perform a particular task or purpose

synonym : purpose, mapping, job

(1) **function** properly, (2) immune **function**

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

reinforcement

n. the act of strengthening, supporting, or consolidating; something that serves to strengthen or support

synonym : strengthening, support, underpinning

(1) social **reinforcement**, (2) **reinforcement** of beliefs

The wall was strengthened with the **reinforcement** of heavy steel beams.

revolutionize

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

synonym : transform, innovate, modernize

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

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

adapt

v. to make fit for or change to suit a new purpose or environment

synonym : adjust, acclimate, accustom

(1) **adapt** fully to the environment, (2) **adapt** as needed

I advised him to **adapt** to his new surroundings.

breakthrough

n. a sudden, dramatic, and important discovery or development that helps to improve a situation or provide an answer to a problem

synonym : advance, progress, innovation

(1) **breakthrough** in the negotiations, (2) **breakthrough** discovery

A technique called deep learning has led to **breakthroughs** in AI.

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.

engage

v. to attract and keep someone's attention and interest; to participate in or obtain services of something
synonym: confront, employ, amuse

(1) **engage** in environmental protection activities,
(2) **engage** a new employee

Many multinational companies are **engaged** in the reconstruction of that country.

laboratory

n. a workplace for doing scientific research or teaching science; a lab
synonym: lab, workshop, testing room

(1) **laboratory** accident, (2) anthropology **laboratory**

Animal protection groups call for an end to animal testing in a **laboratory**.

environment

n. the natural world such as air, water, and land in which humans, animals, and plants live
synonym: atmosphere, surroundings, climate

(1) **environment** affairs, (2) chaotic **environment**

Every human is responsible for taking care of the Earth's **environment**.

widespread

adj. existing or happening in various places or among many people
synonym: across-the-board, overall, general

(1) **widespread** use, (2) **widespread** fear of nuclear war
In medieval times, death punishment was **widespread** and socially accepted.

exponential

adj. becoming more and more rapid; of or involving mathematical exponents

(1) **exponential** growth, (2) **exponential** function
Since the 1990s, the Internet has continued to experience **exponential** growth.

sufficient

adj. adequate; enough for a particular purpose or requirement

synonym: acceptable, ample, satisfactory

(1) **sufficient** time, (2) self- **sufficient** economy
That candidate does not have **sufficient** means to win an election with certainty.

dataset

n. a structured collection of data that is compiled and processed in a computer system or program, typically for analysis, research, or machine learning purposes

synonym: data array, database

(1) **dataset** analysis, (2) publicly available **dataset**
The scientist analyzed the large **dataset** to conclude the experiment.

confident

adj. feeling sure about your abilities or qualities or having trust in people, plans, or the future

synonym: certain, sure, convinced

(1) feel **confident**, (2) a **confident** remark
I'm not **confident** in our victory.

misuse

n. the act of using something in an unsuitable way or for the wrong purpose

synonym: abuse, misemployment, mishandling

(1) the **misuse** of company money, (2) protect the database from **misuse**

Drug **misuse** is associated with mental health disorders.

tradition

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

synonym: custom, practice, ritual

(1) a **tradition** of a culture, (2) against **tradition**

It is a **tradition** in many families to have a big Thanksgiving dinner with all their relatives.

clinical

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

synonym: dispassionate, analytic, scientific

(1) **clinical** surgery, (2) participate in **clinical** trials

She received special **clinical** training at the hospital.

physician

n. a medical doctor who practices medicine

synonym: doctor, practitioner, medic

(1) the advice of the **physician**, (2) consult with a **physician**

She visited the local **physician** to seek treatment for her persistent headache.

commodify

v. to turn something into an object of trade or commerce, particularly a good or service that was previously seen as having value beyond its market value

synonym: commercialize, market, sell

(1) **commodify** user data, (2) **commodify** athletes

Many companies try to **commodify** popular trends to make a profit.

naive

adj. showing unaffected simplicity and lack of experience, wisdom, or judgment

synonym: innocent, unsophisticated, gullible

(1) **naive** belief, (2) **naive** mistake

The con artist's lies quickly took in the **naive** young man.

complacent

adj. satisfied with the status quo and not wishing to make changes

synonym : content, satisfied, self-satisfied

(1) **complacent** attitude, (2) **complacent** with past successes

He became **complacent** in his job and stopped trying to improve.

pose

v. to present a risk, problem, or other issues that must be addressed

synonym : present, put, position

(1) **pose** a significant threat to my company, (2) **pose** a challenge

The chemicals **pose** a massive health risk.

hurdle

n. a barrier or obstacle that must be overcome

synonym : obstacle, barrier, challenge

(1) overcome **hurdles**, (2) **hurdle** race

The company faced several **hurdles** in the development of its new product.

hack

v. to hit and cut somebody or something roughly and violently; to find a bug in a computer program and break into their systems or networks

synonym : cut, chop, crack

(1) **hack** through the jungle, (2) **hack** into the program

This blog offers a variety of tips for **hacking** everyday life.

instance

n. a particular example or single occurrence of something

synonym : example, sample, illustration

(1) for **instance**, (2) notable **instance**

These articles cite five **instances** of climate change.

sensitive

adj. able to notice slight changes, signals, or influences; able to feel or perceive other's feelings; susceptible to the things people say or do

synonym : exposed, susceptible, keen

(1) **sensitive** documents, (2) baby with **sensitive** skin
The teacher is very **sensitive** to children's feelings.

emotion

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

synonym: feeling, sentiment, passion

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

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

preference

n. a stronger liking or interest for something or someone than another thing or person

synonym: taste, choice, affection

(1) his meal **preferences**, (2) a particular **preference** for Chinese art

Her **preference** is comfortable clothing over fashionable ones.

desire

n. a strong feeling of wanting to have or do something

synonym: ambition, appetite, greed

(1) unsatisfied **desire**, (2) fleshly **desire**

Low sexual **desire** typically correlates with low testosterone levels.

analyze

v. to think about in-depth and evaluate to discover essential features or meaning

synonym: explore, examine, investigate

(1) **analyze** a chemical compound, (2) **analyze** your real motives

The teacher attempted to **analyze** the root cause of our mistake.

hypothesis

n. a proposed idea or explanation that is based on a few known facts but has not yet been proven to be true or accurate

synonym: assumption, conjecture, theory

(1) test my **hypothesis**, (2) a bold **hypothesis**
This evidence supports the big-bang **hypothesis**.

partnership

n. the state of a cooperative relationship between people or groups, especially in business

synonym: alliance, participation, cooperation

(1) **partnership** across the Atlantic, (2) establish a **partnership**

The military **partnership** between the two countries created tension in the international community.

employ

v. to give somebody a job and pay them for it; to make use of

synonym: hire, engage, use

(1) **employ** job seekers, (2) **employ** a new method

When making arrests, police officers frequently **employ** excessive force.

surveillance

n. the act of carefully monitoring a person suspected of a crime or a place where a crime may be committed or expected

synonym: administration, overseeing, control

(1) he is kept under **surveillance**, (2) **surveillance** cameras

The novel contains a criticism of the **surveillance** society.

fatigue

n. a feeling of tiredness or weariness, especially as a result of physical or mental exertion; the reduction in the strength or efficiency of a material or structure due to repeated use or stress

synonym: exhaustion, weariness, tiredness

(1) **fatigue** breaking, (2) **fatigue** caused by overwork

The metal showed signs of **fatigue** after being subjected to repeated stress.

government

n. the group of people with authority to control a country or state

synonym: administration, regime, state

(1) **government** bureaucracy, (2) **government** funding
The federal **government** is planning to increase taxes for the next fiscal year.

biometric

adj. relating to the measurement and analysis of unique physical or behavioral characteristics of an individual, such as fingerprints or voice patterns, often used for identification or security purposes; (noun, biometrics) the use of measurable biological characteristics or traits, such as fingerprints, facial recognition, iris scans, or voice recognition, to identify or authenticate individuals

(1) **biometric** recognition, (2) **biometrics** for visitors
The new smartphone has **biometric** authentication, such as facial recognition and fingerprint scanning.

authenticate

v. to confirm or verify the validity or authenticity of something; to prove or establish that something is genuine or true

synonym: confirm, validate, verify

(1) **authenticate** documents, (2) **authenticate** software license

The security system requires users to **authenticate** their identity before gaining access.

interrogate

v. to examine someone with questions over a lengthy period, especially in an aggressive manner

synonym: question, examine, probe

(1) **interrogate** an enemy soldier, (2) **interrogated** by police
The lawyer spent considerable time to adequately **interrogate** the witness.

criminal

n. a person who has committed a crime

synonym: offender, lawbreaker, delinquent

(1) wanted **criminal**, (2) **criminal** investigation

The police are searching for the **criminal** who stole the jewels.

suspect

v. to consider anything to be actual or probable
synonym: assume, distrust, surmise

(1) **suspect** a plot, (2) **suspect** that he is sick

The cops **suspected** him of being the killer.

craft

n. an activity that requires a particular skill in making things with one's hands

synonym: art, skill, workmanship

(1) **craft** arts of Japan, (2) **craft** manufacture

His hometown was where he first acquired the **craft** of wood carving.

disable

v. to cause someone or something to become unable to function properly or as intended; to incapacitate or immobilize

synonym: cripple, impair, incapacitate

(1) **disable** a setting, (2) **disable** a device

I had to **disable** the pop-up blocker in my browser to access the website.

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.

manipulate

v. to influence or control something or someone to your advantage, often in an unfair or dishonest way

synonym: control, exploit, abuse

(1) **manipulate** figures, (2) vulnerable to **manipulate**

Please tell me how to **manipulate** this computer.

safeguard

v. to protect something or someone from harm, damage, or loss

synonym: protect, assure, conserve

(1) **safeguard** my property, (2) **safeguard** environmental quality

This measure will **safeguard** people against terrorism.

terrifying

adj. very frightening or intimidating

synonym: frightening, intimidating, alarming

(1) **terrifying** experience, (2) **terrifying** events

Large earthquakes often generate **terrifying** tsunamis.

innermost

adj. situated or occurring at the deepest or most central part or point; relating to one's deepest or most private thoughts, feelings, or experiences

synonym: deepest, inner, intimate

(1) **innermost** secrets, (2) **innermost** longings

It took years of therapy before the patient could reveal their **innermost** thoughts and feelings.

recognize

v. to acknowledge or realize something or someone; to identify, remember, or become aware of something that was previously known or encountered

synonym: acknowledge, identify, admit

(1) **recognize** talent, (2) **recognize** achievement

It's important to **recognize** your strengths and weaknesses.

cognitive

adj. of or relating to mental processes of understanding

synonym: perceivable, mind, mental

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

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

liberty

n. the state of being free within society from oppressive restrictions imposed by authority on one's way of life, behavior, or political views

synonym: freedom, autonomy, independence

(1) personal **liberty**, (2) **liberty** as a right

The founding fathers fought for the **liberty** of the American people.

interference

n. the act or process of getting involved in and trying to influence a specific situation; the state of being affected and influenced with

synonym: obstruction, hindrance, impedance

(1) officious **interference**, (2) **interference** wave

Unfortunately, the radio **interference** made it difficult to hear the broadcast.

determination

n. the quality of being persistent and purposeful; the act of finding out the exact nature or essence of something

synonym: resolve, willpower, conviction

(1) a steely **determination**, (2) **determination** of a DNA sequence

His **determination** to succeed was unwavering, even in the face of adversity.

flourish

v. to grow or develop vigorously or successfully

synonym: boom, advance, succeed

(1) **flourish** economically, (2) **flourish** worldwide

The Ottoman Empire **flourished** for over five centuries.

achieve

v. to successfully complete a task or goal, often through hard work, perseverance, and dedication; to attain or accomplish something that one has set out to do

synonym: accomplish, attain, reach

(1) **achieve** success, (2) **achieve** milestones

I will work hard to **achieve** my goals and realize my dreams.

interrelated

adj. closely connected or related to each other

synonym: connected, related, interdependent

(1) the **interrelated** nature of the problems, (2) **interrelated** factors

The different parts of the system are **interrelated** and rely on

each other to function correctly.

privacy

n. someone's right to keep their personal matters and relationships not watched or interrupted by other people

synonym : seclusion, aloneness, solitariness

(1) **privacy** abuse, (2) trespass on a person's **privacy**

This conduct would be an invasion of **privacy**.

automatic

adj. able to work or operate with little or no direct human control; independent of external control

synonym : mechanical, robotic, intuitive

(1) **automatic** operation, (2) the **automatic** shrinking of the pupils

In passenger aircraft, it is common to use an **automatic** pilot during cruising.

reaction

n. a response that reveals a person's feelings or attitude; (in chemistry) a process in which one or more substances are changed into others

synonym : response, reply, answer

(1) chemical **reaction**, (2) trigger a **reaction**

There was a chemical **reaction** of the lime with the groundwater.

absolute

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

synonym : complete, infrangible, indisputable

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

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

intercept

v. to stop and catch someone or something to prevent them from continuing to a destination

synonym : ambush, block, prevent

(1) **intercept** an enemy force, (2) **intercept** X rays

It is illegal to **intercept** police radio.

punishment

n. a penalty or consequence inflicted for wrongdoing or offense; a means of enforcing discipline or preventing further wrongdoing

synonym : penalty, discipline, retribution

(1) **punishment** for a crime, (2) humiliating **punishment**

The judge gave severe **punishment** to the criminal who committed the heinous crime.

ownership

n. the state or fact of possessing, controlling, or having the right to something; the legal and moral right to use or dispose of something as one chooses

synonym : possession, title, proprietorship

(1) property **ownership**, (2) share **ownership**

The company's **ownership** has changed hands several times in the past few years.

underway

adj. having started and currently in progress

synonym : afoot, ongoing, in motion

(1) just getting **underway**, (2) campaign now **underway**

This project has been **underway** for several years.

nation

n. a large organized community of people living in a particular country or region and having a particular culture

synonym : country, state, sovereign entity

(1) **nation-state**, (2) a seafaring **nation**

The **nation** of Japan is known for its unique culture and advanced technology.

regulation

n. an official rule made and maintained by a government or some other authority; the act of controlling or directing something according to a rule

synonym : constraint, restriction, rule

(1) a company **regulation**, (2) **regulation** by the government

The **regulation** approved by Congress was perfunctorily implemented.

align

v. to put or arrange two or more things in a straight line or to form a straight line

synonym: coordinate, regulate, adjust

(1) **align** the economic interest of each other, (2) **align** with a historical trend

Both parties are now entirely ideologically **aligned**.

broad

adj. very wide; general

synonym: wide, expansive, comprehensive

(1) attract **broad** attention, (2) a **broad** mind

He accumulated wealth across a **broad** spectrum of assets.

digital

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

synonym: numerical, computerized, cyber

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

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

umbrella

n. a device consisting of a circular canopy of cloth on a central pole used as protection against rain or sometimes against the sun

synonym: parasol, canopy, sunshade

(1) **umbrella** coverage, (2) **umbrella** ban

She opened her **umbrella** to protect herself from the rain.

concept

n. an idea or principle associated with something abstract

synonym: idea, notion, vision

(1) learn new **concepts**, (2) **concept** car

One such rapidly growing **concept** is quantum cryptography.

metaverse

n. an imaginary immersive area that is facilitated by the use of virtual reality (VR) and augmented reality (AR) headsets

(1) a **metaverse** application, (2) **metaverse** technologies

Anonymous, brilliant artists create content on any platform in

the **metaverse**.

sil

n. a tall, cylindrical structure, usually made of concrete or steel, that is used for storing grain, feed, or other dry materials; a system or structure that is isolated or separate from others

synonym : storage, warehouse, barn

(1) nuclear **sil**, (2) **sil** organization

The farmer used a **sil** to store feed for the animals.

combination

n. a collection of things that have been combined; an assemblage of separate parts or qualities

synonym : blend, hybrid, compounding

(1) genic **combinations**, (2) **combination** number

The **combination** to the safe was a secret.

lament

v. to express sadness, grief, or disappointment about something, often by complaining or mourning

synonym : mourn, grieve, bemoan

(1) **lament** my misfortunes, (2) **lament** the situation

She **lamented** the loss of her beloved cat.

deliberate

adj. done with full consciousness of nature and effects rather than by accident

synonym : intentional, planned, careful

(1) the **deliberate** act of provocation, (2) **deliberate** attempt

Despite its advanced science and technology, the empire was **deliberate** about invasion.

imaginary

adj. existing only in someone's mind

synonym : fictional, ideal, fantastical

(1) **imaginary** number, (2) **imaginary** pregnancy

Little children tend to have **imaginary** friends.

Session 2: Spelling

- | | |
|---------------------------------|--|
| 1. hos_____ze patient | <i>v.</i> to admit someone to a hospital for medical treatment |
| 2. every ni__e of society | <i>n.</i> a specialized role or position that a species occupies within an ecosystem; a job or position particularly well suited to the person who occupies it |
| 3. afraid to show em_____n | <i>n.</i> a strong feeling such as love, anger, etc. deriving from one's situation, mood, or relationships with others |
| 4. or_____ry annual revenue | <i>adj.</i> not different, exceptional, or unexpected in any way, especially in quality, ability, size, or degree |
| 5. gro_____ing settlement | <i>adj.</i> producing fresh findings; using novel techniques |
| 6. cr_____l information | <i>adj.</i> extremely vital or necessary |
| 7. acute em_____cy | <i>n.</i> a sudden unforeseen crisis usually involving danger that requires immediate action |
| 8. re___e my youth | <i>v.</i> to experience again or bring back the memory of a past event or time |
| 9. con_____sy among researchers | <i>n.</i> a lot of discussion and argument about something, often involving strong feelings of anger or disapproval |
| 10. a con_____ive society | <i>adj.</i> holding traditional views and values and opposed to change or innovation |
| 11. consult with a ph_____an | <i>n.</i> a medical doctor who practices medicine |

ANSWERS: 1. hospitalize, 2. niche, 3. emotion, 4. ordinary, 5. groundbreaking, 6. crucial, 7. emergency, 8. relive, 9. controversy, 10. conservative, 11. physician

12. es_____te a fair value *v.* to guess or calculate the cost, size, value, etc. of something
13. 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
14. the ul_____te luxury *adj.* furthest or highest in degree or order
15. a private ind_____al *n.* a single person or thing, as distinct from a group
16. au_____ic operation *adj.* able to work or operate with little or no direct human control; independent of external control
17. permanent br__n damage *n.* the organ inside the head that is responsible for one's movement, thought, memory, and feeling
18. st_____le to get the job *v.* to make a great effort to do something when it is difficult, or there are a lot of problems; to use force or violence to break away from restraint or constriction
19. 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
20. vi_____ly all countries *adv.* almost completely
21. int_____te an enemy soldier *v.* to examine someone with questions over a lengthy period, especially in an aggressive manner
22. p__e a significant threat to my company *v.* to present a risk, problem, or other issues that must be addressed

ANSWERS: 12. estimate, 13. heartbeat, 14. ultimate, 15. individual, 16. automatic, 17. brain, 18. struggle, 19. depression, 20. virtually, 21. interrogate, 22. pose

23. del_____te attempt *adj.* done with full consciousness of nature and effects rather than by accident
24. chaotic env_____nt *n.* the natural world such as air, water, and land in which humans, animals, and plants live
25. pun_____nt for a crime *n.* a penalty or consequence inflicted for wrongdoing or offense; a means of enforcing discipline or preventing further wrongdoing
26. abnormal
ele_____phy *n.* (also "EEG") a diagnostic medical procedure that involves the use of electrodes placed on the scalp to measure and record the electrical activity of the brain often used to assess and diagnose various neurological conditions
27. fever with neu_____cal signs *adj.* of or relating to the science of neurology or the nervous system
28. al__t system *v.* to warn or arouse to a sense of danger; (adjective) paying close attention or being in a state of readiness for action
29. the advice of the ph_____an *n.* a medical doctor who practices medicine
30. reg_____on by the government *n.* an official rule made and maintained by a government or some other authority; the act of controlling or directing something according to a rule
31. just getting un_____ay *adj.* having started and currently in progress
32. treat the in_____on with antibiotics *n.* a condition in which pathogenic microorganisms or viruses have entered the body

ANSWERS: 23. deliberate, 24. environment, 25. punishment, 26. electroencephalography, 27. neurological, 28. alert, 29. physician, 30. regulation, 31. underway, 32. infection

- | | | |
|--------------------------------------|-----------|---|
| 33. st____h a story | <i>v.</i> | to make or be capable of making anything longer or broader without hurting or breaking |
| 34. cr__t manufacture | <i>n.</i> | an activity that requires a particular skill in making things with one's hands |
| 35. gov_____nt bureaucracy | <i>n.</i> | the group of people with authority to control a country or state |
| 36. the blind g_t | <i>n.</i> | the long tube in the body of a person or animal through which food passes when it leaves the stomach; the mental strength or bravery required to do something difficult or unpleasant |
| 37. imp_____ion on stage | <i>n.</i> | the act of making something up on the spot or creating or performing something without preparation |
| 38. protect the database from mi___e | <i>n.</i> | the act of using something in an unsuitable way or for the wrong purpose |
| 39. the mi___e of company money | <i>n.</i> | the act of using something in an unsuitable way or for the wrong purpose |
| 40. importance of early de_____on | <i>n.</i> | the act of discovering or identifying the presence of something |
| 41. al__t consumers to the dangers | <i>v.</i> | to warn or arouse to a sense of danger; (adjective) paying close attention or being in a state of readiness for action |
| 42. tr_____rm an education system | <i>v.</i> | to change in outward structure or looks; |
| 43. a me_____se application | <i>n.</i> | an imaginary immersive area that is facilitated by the use of virtual reality (VR) and augmented reality (AR) headsets |

ANSWERS: 33. stretch, 34. craft, 35. government, 36. gut, 37. improvisation, 38. misuse, 39. misuse, 40. detection, 41. alert, 42. transform, 43. metaverse

44. ab____te loyalty *adj.* perfect or complete or to the most considerable degree possible
45. pr____y education *adj.* first or highest in rank, order, or importance; most fundamental or essential; pertaining to the initial or introductory stage of something, such as a school year or election cycle
46. 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
47. tra____ncy during the trials *n.* the condition or quality of being easy to see through
48. without in____y *n.* harm done to a person's or an animal's body caused by an accident or an attack
49. 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
50. m__a-analysis *adj.* pertaining to or involving a higher or more abstract level of analysis, interpretation, or self-reference, often used to describe aspects of gaming, social media, or other online communities that involve self-conscious or self-referential elements

ANSWERS: 44. absolute, 45. primary, 46. develop, 47. transparency, 48. injury, 49. AI, 50. meta

51. the int_____ted nature of the problems *adj.* closely connected or related to each other
52. pos_____ty of a major earthquake *n.* a chance that something may happen or be true
53. a fatal in____y *n.* harm done to a person's or an animal's body caused by an accident or an attack
54. su_____t that he is sick *v.* to consider anything to be actual or probable
55. h__k into the program *v.* to hit and cut somebody or something roughly and violently; to find a bug in a computer program and break into their systems or networks
56. sa_____rd my property *v.* to protect something or someone from harm, damage, or loss
57. granting a re_____ve from punishment *v.* to temporarily halt or cancel a punishment, especially death or other severe penalties; to provide temporary relief or break from something unpleasant or stressful; (noun) a temporary postponement or relief from something difficult or unpleasant, such as a punishment, a duty, or a difficult situation
58. a company reg_____on *n.* an official rule made and maintained by a government or some other authority; the act of controlling or directing something according to a rule
59. cerebral gli_____oma *n.* an aggressive and malignant type of brain tumor that arises from glial cells, particularly astrocytes, and is associated with a poor prognosis and high mortality rate

ANSWERS: 51. interrelated, 52. possibility, 53. injury, 54. suspect, 55. hack, 56. safeguard, 57. reprieve, 58. regulation, 59. glioblastoma

60. electronic de___e *n.* a piece of equipment, tool, or technology that serves a particular purpose or function, often mechanical or electronic
61. suf_____nt time *adj.* adequate; enough for a particular purpose or requirement
62. di_____nt and wrong-foot viewers *v.* to make someone confused about where they are or where they should go
63. a scholarship ass_____on *n.* a people or groups of people who have joined in a single organization together for a particular purpose; a social or business connection or relationship
64. the atmospheric tem_____re *n.* the degree of hotness or coldness of a thing or place
65. sta_____ng number *adj.* so shocking as to stun or overwhelm
66. self-suf_____nt economy *adj.* adequate; enough for a particular purpose or requirement
67. trading of vi_____l currencies *adj.* being actually such in almost every respect; existing in essence or effect though not in actual fact
68. em___y job seekers *v.* to give somebody a job and pay them for it; to make use of
69. neu_____ogy startup *n.* technology or advancements in the field of neuroscience, often related to the study or manipulation of the brain or nervous system
70. fl__h eating *n.* the soft substance composing the body of a person or animal, as opposed to bones and other structures

ANSWERS: 60. device, 61. sufficient, 62. disorient, 63. association, 64. temperature, 65. staggering, 66. sufficient, 67. virtual, 68. employ, 69. neurotechnology, 70. flesh

71. fa_____e caused by overwork *n.* a feeling of tiredness or weariness, especially as a result of physical or mental exertion; the reduction in the strength or efficiency of a material or structure due to repeated use or stress
72. co_____nt of the risk *adj.* aware of or knowledgeable about something; having consciousness or recognition of something
73. the del_____te act of provocation *adj.* done with full consciousness of nature and effects rather than by accident
74. a particular pre_____ce for Chinese art *n.* a stronger liking or interest for something or someone than another thing or person
75. s__o organization *n.* a tall, cylindrical structure, usually made of concrete or steel, that is used for storing grain, feed, or other dry materials; a system or structure that is isolated or separate from others
76. a heart se_____e *n.* the action of taking something from somebody by the use of legal authority; a sudden occurrence or recurrence of a disease
77. pos_____ty for growth *n.* a chance that something may happen or be true
78. ter_____ng experience *adj.* very frightening or intimidating
79. env_____nt affairs *n.* the natural world such as air, water, and land in which humans, animals, and plants live
80. publicly available da_____t *n.* a structured collection of data that is compiled and processed in a computer system or program, typically for analysis, research, or machine learning purposes

ANSWERS: 71. fatigue, 72. cognizant, 73. deliberate, 74. preference, 75. silo, 76. seizure, 77. possibility, 78. terrifying, 79. environment, 80. dataset

81. al__n with a historical trend *v.* to put or arrange two or more things in a straight line or to form a straight line
82. gov_____nt funding *n.* the group of people with authority to control a country or state
83. ha_____ng battle *adj.* causing distress or suffering; extremely distressing
84. in_____st secrets *adj.* situated or occurring at the deepest or most central part or point; relating to one's deepest or most private thoughts, feelings, or experiences
85. exp_____al function *adj.* becoming more and more rapid; of or involving mathematical exponents
86. in_____ct directly with customers *v.* to communicate or react with somebody
87. pro_____on of civilization *n.* the act or process of changing to the next stage or phase or moving forward
88. in_____pt an enemy force *v.* to stop and catch someone or something to prevent them from continuing to a destination
89. in_____pt X rays *v.* to stop and catch someone or something to prevent them from continuing to a destination
90. an agg_____ve tumor *adj.* behaving in an angry, energetic, or threatening way towards another person; tending to spread quickly
91. grow in fl__h *n.* the soft substance composing the body of a person or animal, as opposed to bones and other structures
92. mac_____ing method *n.* the process through which computers change the way they perform jobs without following explicit instructions by using algorithms and statistical models to analyze and draw inferences from patterns in data

ANSWERS: 81. align, 82. government, 83. harrowing, 84. innermost, 85. exponential, 86. interact, 87. progression, 88. intercept, 89. intercept, 90. aggressive, 91. flesh, 92. machine-learning

93. tu__r at remote sites *n.* a mass of diseased tissue that forms when cells in the body divide and grow in an uncontrolled way
94. get a con_____nal loan *adj.* based on or following traditional rules, standards, customs, etc.
95. pr_____y school *adj.* first or highest in rank, order, or importance; most fundamental or essential; pertaining to the initial or introductory stage of something, such as a school year or election cycle
96. sleep pro_____ly *adv.* to a great or complete degree; deeply
97. um_____la coverage *n.* a device consisting of a circular canopy of cloth on a central pole used as protection against rain or sometimes against the sun
98. re__t my brain *v.* to set again or differently; to return to a previous state or condition
99. tr_____rm heat into power *v.* to change in outward structure or looks;
100. in_____ct with one another *v.* to communicate or react with somebody
101. unpre_____ted business opportunity *adj.* never having been seen, done, or known before
102. st_____h along the coast *v.* to make or be capable of making anything longer or broader without hurting or breaking
103. al__n the economic interest of each other *v.* to put or arrange two or more things in a straight line or to form a straight line
104. trespass on a person's pr_____y *n.* someone's right to keep their personal matters and relationships not watched or interrupted by other people

ANSWERS: 93. tumor, 94. conventional, 95. primary, 96. profoundly, 97. umbrella, 98. reset, 99. transform, 100. interact, 101. unprecedented, 102. stretch, 103. align, 104. privacy

105. su___r bad grades *v.* to experience pain, distress, or hardship; to undergo or endure something painful or unpleasant
106. campaign now un____ay *adj.* having started and currently in progress
107. people with bipolar di____er *n.* an untidy state or a lack of organization; a physical condition or illness that causes problems with how a section of the body or brain functions
108. ad____e the technology *v.* to go or move forward; to develop in a positive way
109. a sta_____ng defeat *adj.* so shocking as to stun or overwhelm
110. se____e of a debtor's property *n.* the action of taking something from somebody by the use of legal authority; a sudden occurrence or recurrence of a disease
111. joint rec_____on *n.* the action or process of recognizing or being recognized, especially by remembering; an agreement that something is true or legal
112. em__d scripts in the message *v.* to fix or set firmly in a surrounding mass
113. es____te this chicken to weigh three pounds *v.* to guess or calculate the cost, size, value, etc. of something
114. Al_____er's risk factors *n.* a neurodegenerative disease that causes memory loss, cognitive decline, and behavioral issues; is the most common cause of dementia in older adults
115. uns_____ed rumor *adj.* not given financial or other aid; not having any proof or evidence

ANSWERS: 105. suffer, 106. underway, 107. disorder, 108. advance, 109. staggering, 110. seizure, 111. recognition, 112. embed, 113. estimate, 114. Alzheimer, 115. unsupported

116. a vi____l image *adj.* being actually such in almost every respect; existing in essence or effect though not in actual fact
117. industry-sp____ic regulations *adj.* clearly defined or particular to a certain thing or situation; distinct, explicit, and precise
118. cr____al investigation *n.* a person who has committed a crime
119. s__p judgment *v.* to record on photographic film; to make a sudden, sharp sound; (noun) the act of catching an object with the hands
120. a bold hyp____is *n.* a proposed idea or explanation that is based on a few known facts but has not yet been proven to be true or accurate
121. s__p a whip *v.* to record on photographic film; to make a sudden, sharp sound; (noun) the act of catching an object with the hands
122. fleshly de____e *n.* a strong feeling of wanting to have or do something
123. psy____gy experiment *n.* the scientific study of mind and behavior
124. immune fu____on *n.* the purpose or use of an object, system, or process; a particular activity or operation that is designed to serve a specific purpose; a mathematical concept that describes a relationship between two sets of values, called the input and output sets; (verb) to operate or work in a specific way, or to perform a particular task or purpose
125. end of the first qu____r *n.* one of four equal parts; a fourth part or portion

ANSWERS: 116. virtual, 117. specific, 118. criminal, 119. snap, 120. hypothesis, 121. snap, 122. desire, 123. psychology, 124. function, 125. quarter

126. personal li____y *n.* the state of being free within society from oppressive restrictions imposed by authority on one's way of life, behavior, or political views
127. exp_____al growth *adj.* becoming more and more rapid; of or involving mathematical exponents
128. a tr_____on of a culture *n.* a belief, custom, or way of doing something that has been passed down from generation to generation within a group or society
129. humiliating pun_____nt *n.* a penalty or consequence inflicted for wrongdoing or offense; a means of enforcing discipline or preventing further wrongdoing
130. rei_____ent of beliefs *n.* the act of strengthening, supporting, or consolidating; something that serves to strengthen or support
131. attract br__d attention *adj.* very wide; general
132. probably have de_____ia *n.* a severe decline in cognitive function, especially memory, as a result of disease or injury
133. co_____fy user data *v.* to turn something into an object of trade or commerce, particularly a good or service that was previously seen as having value beyond its market value
134. gli_____oma treatment *n.* an aggressive and malignant type of brain tumor that arises from glial cells, particularly astrocytes, and is associated with a poor prognosis and high mortality rate

ANSWERS: 126. liberty, 127. exponential, 128. tradition, 129. punishment, 130. reinforcement, 131. broad, 132. dementia, 133. commodify, 134. glioblastoma

135. antibiotic med_____on *n.* a drug or other form of medicine that treats, prevents, or alleviates the symptoms of the disease
136. a se___e case of pneumonia *adj.* extremely serious or bad in feeling, manner, or strict and harsh; extremely strong or vigorous
137. the wel_____ng of a nation *n.* the state of being happy and healthy and prosperous
138. aut_____ate documents *v.* to confirm or verify the validity or authenticity of something; to prove or establish that something is genuine or true
139. au_____t the reality *v.* to increase the size, extent, quantity, etc. of something by adding something to it
140. im_____t into the uterus *v.* to insert or fix an artificial device in a person's body; to put an idea, attitude, etc., firmly in the mind
141. cr___e of civilization *n.* a small bed for an infant, often designed to rock back and forth; a place or region where something begins or originates
142. fo_____eps in the corridor *n.* a step, or the sound generated by a person walking when their foot hits the ground
143. sp_____ic instructions *adj.* clearly defined or particular to a certain thing or situation; distinct, explicit, and precise
144. bi_____ics for visitors *adj.* relating to the measurement and analysis of unique physical or behavioral characteristics of an individual, such as fingerprints or voice patterns, often used for identification or security purposes; (noun, biometrics) the use of measurable biological characteristics or traits, such as fingerprints, facial recognition, iris scans, or voice recognition, to identify or authenticate individuals

ANSWERS: 135. medication, 136. severe, 137. well-being, 138. authenticate, 139. augment, 140. implant, 141. cradle, 142. footstep, 143. specific, 144. biometric

145. li____y as a right *n.* the state of being free within society from oppressive restrictions imposed by authority on one's way of life, behavior, or political views
146. Al_____er's brain *n.* a neurodegenerative disease that causes memory loss, cognitive decline, and behavioral issues; is the most common cause of dementia in older adults
147. an or_____ry school *adj.* not different, exceptional, or unexpected in any way, especially in quality, ability, size, or degree
148. tr_____ic brain injury *adj.* relating to or caused by injury, especially emotional injury
149. ep_____sy seizure *n.* a neurological disorder characterized by recurrent seizures or convulsions, which can manifest in a variety of ways and be caused by various factors
150. com_____ion of structure *n.* something that makes a situation or condition that is complex or confused
151. re_____ze achievement *v.* to acknowledge or realize something or someone; to identify, remember, or become aware of something that was previously known or encountered
152. wid_____ad fear of nuclear war *adj.* existing or happening in various places or among many people
153. a qu_____r mile *n.* one of four equal parts; a fourth part or portion
154. ability to de____e the differences *v.* to convert something, such as a message or piece of information, from a specific form into one that you can understand

ANSWERS: 145. liberty, 146. Alzheimer, 147. ordinary, 148. traumatic, 149. epilepsy, 150. complication, 151. recognize, 152. widespread, 153. quarter, 154. decode

155. the ex_____re of a fraud *n.* the state of being in a particular situation or place where there is no protection from or guarantee to something harmful; the disclosure of something secret
156. fa_____e breaking *n.* a feeling of tiredness or weariness, especially as a result of physical or mental exertion; the reduction in the strength or efficiency of a material or structure due to repeated use or stress
157. di_____nt his audience *v.* to make someone confused about where they are or where they should go
158. full of w_t *n.* the ability to say or write things or ideas in a clever and humorous way
159. co_____e a large of alcohol *v.* to spend something, especially fuel, energy, or time, in a large amount
160. id_____fy gene sequences *v.* to recognize someone or something and say or prove who or what they are
161. improve co_____ve function *adj.* of or relating to mental processes of understanding
162. sa_____rd environmental quality *v.* to protect something or someone from harm, damage, or loss
163. rev_____ize the industry *v.* to bring about a complete or radical change in something, often through the introduction of new methods or ideas
164. a tra_____nt lie *adj.* easy to perceive, detect, or understand; (of a material or article) permitting light to pass through freely
165. re_____m a competitive position *v.* to take back something previously lost, given, or paid, or ask to have it back

ANSWERS: 155. exposure, 156. fatigue, 157. disorient, 158. wit, 159. consume, 160. identify, 161. cognitive, 162. safeguard, 163. revolutionize, 164. transparent, 165. reclaim

166. ele_____phy test *n.* (also "EEG") a diagnostic medical procedure that involves the use of electrodes placed on the scalp to measure and record the electrical activity of the brain often used to assess and diagnose various neurological conditions
167. la___t my misfortunes *v.* to express sadness, grief, or disappointment about something, often by complaining or mourning
168. ad__t fully to the environment *v.* to make fit for or change to suit a new purpose or environment
169. feel co_____nt *adj.* feeling sure about your abilities or qualities or having trust in people, plans, or the future
170. de___t smuggling across borders *v.* to find or recognize something, especially something difficult to see, hear, etc.
171. di_____e a device *v.* to cause someone or something to become unable to function properly or as intended; to incapacitate or immobilize
172. a person who has a ta___o *n.* a form of body modification made by inserting ink, dyes, or pigments, either permanent or temporary, into the skin to form a design
173. par_____ip across the Atlantic *n.* the state of a cooperative relationship between people or groups, especially in business
174. im_____ry number *adj.* existing only in someone's mind

ANSWERS: 166. electroencephalography, 167. lament, 168. adapt, 169. confident, 170. detect, 171. disable, 172. tattoo, 173. partnership, 174. imaginary

175. baby with se_____ve skin *adj.* able to notice slight changes, signals, or influences; able to feel or perceive other's feelings; susceptible to the things people say or do
176. da_____t analysis *n.* a structured collection of data that is compiled and processed in a computer system or program, typically for analysis, research, or machine learning purposes
177. an_____e your real motives *v.* to think about in-depth and evaluate to discover essential features or meaning
178. as_____te alcohol with gambling *v.* to mentally connect someone or something with someone or something else
179. ad__t as needed *v.* to make fit for or change to suit a new purpose or environment
180. 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
181. measures to pr_____g the lifespan *v.* to extend the duration or length of something, particularly a period of time or an event
182. int_____ory biology text *adj.* intended as an introduction or preliminary; serving as a base or starting point
183. par_____te fully in conversation *v.* to take part in something
184. na__e mistake *adj.* showing unaffected simplicity and lack of experience, wisdom, or judgment

ANSWERS: 175. sensitive, 176. dataset, 177. analyze, 178. associate, 179. adapt, 180. neuron, 181. prolong, 182. introductory, 183. participate, 184. naive

185. wireless ea___d *n.* a small electronic device that fits into the ear canal and is used for listening to music or for communication, especially when attached to a portable audio player or mobile phone
186. su___r a setback *v.* to experience pain, distress, or hardship; to undergo or endure something painful or unpleasant
187. field of gene th____y *n.* the act of caring for someone through medication, remedial training, etc.
188. a steely det_____ion *n.* the quality of being persistent and purposeful; the act of finding out the exact nature or essence of something
189. lab_____ry accident *n.* a workplace for doing scientific research or teaching science; a lab
190. ext_____ary ability *adj.* exceptional, unexpected, very unusual; surpassing the ordinary or usual
191. a sense of wel_____ng *n.* the state of being happy and healthy and prosperous
192. extreme tem_____res *n.* the degree of hotness or coldness of a thing or place
193. bi_____ic recognition *adj.* relating to the measurement and analysis of unique physical or behavioral characteristics of an individual, such as fingerprints or voice patterns, often used for identification or security purposes; (noun, biometrics) the use of measurable biological characteristics or traits, such as fingerprints, facial recognition, iris scans, or voice recognition, to identify or authenticate individuals

ANSWERS: 185. earbud, 186. suffer, 187. therapy, 188. determination, 189. laboratory, 190. extraordinary, 191. well-being, 192. temperature, 193. biometric

194. pro_____on of disease *n.* the act or process of changing to the next stage or phase or moving forward
195. a southern ex_____re *n.* the state of being in a particular situation or place where there is no protection from or guarantee to something harmful; the disclosure of something secret
196. wanted cr_____al *n.* a person who has committed a crime
197. the files are in complete di_____er *n.* an untidy state or a lack of organization; a physical condition or illness that causes problems with how a section of the body or brain functions
198. a di_____l watch *adj.* processing or storing information as a succession of 1 and 0 to show that a signal is present or missing; relating to the use of computer technology, especially the internet
199. the w_t of man *n.* the ability to say or write things or ideas in a clever and humorous way
200. an arrival pl_____rm *n.* the raised flat space close to the track at a train station where passengers get on or off the train; (technology) a computational or digital environment in which a piece of software is executed
201. re_____n skills *v.* to teach or learn a new or different set of skills or knowledge, usually to adapt to a new job, situation, or technology
202. di_____l electronic signature *adj.* processing or storing information as a succession of 1 and 0 to show that a signal is present or missing; relating to the use of computer technology, especially the internet

ANSWERS: 194. progression, 195. exposure, 196. criminal, 197. disorder, 198. digital, 199. wit, 200. platform, 201. retrain, 202. digital

203. re____ve the athlete from the competition
204. a co_____nt remark
205. em____y a new method
206. de____e a message
207. med_____on by mouth
208. overcome hu____es
209. m__a-language
- v.* to temporarily halt or cancel a punishment, especially death or other severe penalties; to provide temporary relief or break from something unpleasant or stressful; (noun) a temporary postponement or relief from something difficult or unpleasant, such as a punishment, a duty, or a difficult situation
- adj.* feeling sure about your abilities or qualities or having trust in people, plans, or the future
- v.* to give somebody a job and pay them for it; to make use of
- v.* to convert something, such as a message or piece of information, from a specific form into one that you can understand
- n.* a drug or other form of medicine that treats, prevents, or alleviates the symptoms of the disease
- n.* a barrier or obstacle that must be overcome
- adj.* pertaining to or involving a higher or more abstract level of analysis, interpretation, or self-reference, often used to describe aspects of gaming, social media, or other online communities that involve self-conscious or self-referential elements

ANSWERS: 203. reprieve, 204. confident, 205. employ, 206. decode, 207. medication, 208. hurdle, 209. meta

210. int_____ted by police *v.* to examine someone with questions over a lengthy period, especially in an aggressive manner
211. di_____e control *n.* a disorder or illness that affects the body or mind, often characterized by specific symptoms or abnormal functioning of organs or systems
212. man_____te figures *v.* to influence or control something or someone to your advantage, often in an unfair or dishonest way
213. 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
214. tra_____nt crystal *adj.* easy to perceive, detect, or understand; (of a material or article) permitting light to pass through freely
215. become co_____nt *adj.* aware of or knowledgeable about something; having consciousness or recognition of something
216. 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

ANSWERS: 210. interrogate, 211. disease, 212. manipulate, 213. develop, 214. transparent, 215. cognizant, 216. process

217. unpre_____ted boom *adj.* never having been seen, done, or known before
218. ind_____us worker *adj.* hardworking, diligent, and persistent in effort
219. rev_____ize the technology *v.* to bring about a complete or radical change in something, often through the introduction of new methods or ideas
220. cl__m responsibility *v.* to assert that something is true; to demand or request something as one's own; to lay legal or moral right to something; (noun) a demand or assertion of a right or something that one believes to be true
221. false cl__m *v.* to assert that something is true; to demand or request something as one's own; to lay legal or moral right to something; (noun) a demand or assertion of a right or something that one believes to be true
222. implanted pa_____er *n.* a small electronic device that is implanted in the chest to regulate the heartbeat of people with certain heart conditions; a person or thing that sets the pace or rhythm for others
223. su_____t a plot *v.* to consider anything to be actual or probable
224. ad_____e a cooperative relationship *v.* to go or move forward; to develop in a positive way
225. an_____e a chemical compound *v.* to think about in-depth and evaluate to discover essential features or meaning

ANSWERS: 217. unprecedented, 218. industrious, 219. revolutionize, 220. claim, 221. claim, 222. pacemaker, 223. suspect, 224. advance, 225. analyze

226. notable in _____ce *n.* a particular example or single occurrence of something
227. participate in cl_____al trials *adj.* of or relating to the examination and treatment of patients rather than theoretical or laboratory studies
228. st_____le against discrimination *v.* to make a great effort to do something when it is difficult, or there are a lot of problems; to use force or violence to break away from restraint or constriction
229. com_____nt with past successes *adj.* satisfied with the status quo and not wishing to make changes
230. genic com_____ons *n.* a collection of things that have been combined; an assemblage of separate parts or qualities
231. 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
232. se___e heat *adj.* extremely serious or bad in feeling, manner, or strict and harsh; extremely strong or vigorous
233. for in_____ce *n.* a particular example or single occurrence of something
234. fu_____on properly *n.* the purpose or use of an object, system, or process; a particular activity or operation that is designed to serve a specific purpose; a mathematical concept that describes a relationship between two sets of values, called the input and output sets; (verb) to operate or work in a specific way, or to perform a particular task or purpose

ANSWERS: 226. instance, 227. clinical, 228. struggle, 229. complacent, 230. combination, 231. heartbeat, 232. severe, 233. instance, 234. function

235. fl____sh economically *v.* to grow or develop vigorously or successfully
236. nuclear s__o *n.* a tall, cylindrical structure, usually made of concrete or steel, that is used for storing grain, feed, or other dry materials; a system or structure that is isolated or separate from others
237. tu__r growth *n.* a mass of diseased tissue that forms when cells in the body divide and grow in an uncontrolled way
238. de___t a bad event *v.* to find or recognize something, especially something difficult to see, hear, etc.
239. fl____sh worldwide *v.* to grow or develop vigorously or successfully
240. chemical re____on *n.* a response that reveals a person's feelings or attitude; (in chemistry) a process in which one or more substances are changed into others
241. re_____ze talent *v.* to acknowledge or realize something or someone; to identify, remember, or become aware of something that was previously known or encountered
242. um____la ban *n.* a device consisting of a circular canopy of cloth on a central pole used as protection against rain or sometimes against the sun
243. an agg_____ve war *adj.* behaving in an angry, energetic, or threatening way towards another person; tending to spread quickly

ANSWERS: 235. flourish, 236. silo, 237. tumor, 238. detect, 239. flourish, 240. reaction, 241. recognize, 242. umbrella, 243. aggressive

244. ind_____al freedom *n.* a single person or thing, as distinct from a group
245. a very ta_____ed actor *adj.* having a natural ability or aptitude for something; showing exceptional skill or ability in a particular area
246. bre_____ugh discovery *n.* a sudden, dramatic, and important discovery or development that helps to improve a situation or provide an answer to a problem
247. learn new co_____ts *n.* an idea or principle associated with something abstract
248. inf_____on in voice *n.* a change in the pitch or tone of one's voice; a change in the form of a word to indicate tense, mood, gender, or other grammatical categories
249. a bacterial in_____on *n.* a condition in which pathogenic microorganisms or viruses have entered the body
250. id_____fy handwriting *v.* to recognize someone or something and say or prove who or what they are
251. establish a par_____ip *n.* the state of a cooperative relationship between people or groups, especially in business
252. 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
253. em__d a sensor *v.* to fix or set firmly in a surrounding mass
254. stylistically inn_____ve works *adj.* introducing or using new methods, ideas, etc.

ANSWERS: 244. individual, 245. talented, 246. breakthrough, 247. concept, 248. inflection, 249. infection, 250. identify, 251. partnership, 252. algorithm, 253. embed, 254. innovative

255. the RSA al_____hm *n.* a set of rules or rigorous instructions typically used to solve a specific problem or to perform a computation
256. test my hyp_____is *n.* a proposed idea or explanation that is based on a few known facts but has not yet been proven to be true or accurate
257. 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
258. la____t the situation *v.* to express sadness, grief, or disappointment about something, often by complaining or mourning
259. na__e belief *adj.* showing unaffected simplicity and lack of experience, wisdom, or judgment
260. h__k through the jungle *v.* to hit and cut somebody or something roughly and violently; to find a bug in a computer program and break into their systems or networks
261. 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
262. tr_____ic event *adj.* relating to or caused by injury, especially emotional injury
263. de_____ia patients *n.* a severe decline in cognitive function, especially memory, as a result of disease or injury

ANSWERS: 255. algorithm, 256. hypothesis, 257. AI, 258. lament, 259. naive, 260. hack, 261. neuron, 262. traumatic, 263. dementia

264. wid_____ad use *adj.* existing or happening in various places or among many people
265. 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
266. ep_____sy medication *n.* a neurological disorder characterized by recurrent seizures or convulsions, which can manifest in a variety of ways and be caused by various factors
267. g_t feelings *n.* the long tube in the body of a person or animal through which food passes when it leaves the stomach; the mental strength or bravery required to do something difficult or unpleasant
268. di_____e prevention *n.* a disorder or illness that affects the body or mind, often characterized by specific symptoms or abnormal functioning of organs or systems
269. re_____n employees *v.* to teach or learn a new or different set of skills or knowledge, usually to adapt to a new job, situation, or technology
270. a con_____nal style *adj.* based on or following traditional rules, standards, customs, etc.
271. tracking de___e *n.* a piece of equipment, tool, or technology that serves a particular purpose or function, often mechanical or electronic

ANSWERS: 264. widespread, 265. process, 266. epilepsy, 267. gut, 268. disease, 269. retrain, 270. conventional, 271. device

272. bre_____ugh in the negotiations *n.* a sudden, dramatic, and important discovery or development that helps to improve a situation or provide an answer to a problem
273. int_____le pain *adj.* difficult to manage or control; stubborn or obstinate
274. th_____y for a patient *n.* the act of caring for someone through medication, remedial training, etc.
275. gro_____ing concept *adj.* producing fresh findings; using novel techniques
276. ov_____me all difficulties *v.* to succeed in controlling or dealing with something, such as a problem or difficulty; to defeat or overwhelm someone
277. ta_____ed athlete *adj.* having a natural ability or aptitude for something; showing exceptional skill or ability in a particular area
278. int_____le situation *adj.* difficult to manage or control; stubborn or obstinate
279. pro_____ly insightful *adv.* to a great or complete degree; deeply
280. use of inn_____ve technology *adj.* introducing or using new methods, ideas, etc.
281. br____h of wind *n.* the air that is taken into and expelled from your lungs; the process of taking into and expelling air from your lungs
282. approaching fo_____eps *n.* a step, or the sound generated by a person walking when their foot hits the ground

ANSWERS: 272. breakthrough, 273. intractable, 274. therapy, 275. groundbreaking, 276. overcome, 277. talented, 278. intractable, 279. profoundly, 280. innovative, 281. breath, 282. footstep

283. arouse con_____sy *n.* a lot of discussion and argument about something, often involving strong feelings of anger or disapproval
284. social rei_____ent *n.* the act of strengthening, supporting, or consolidating; something that serves to strengthen or support
285. jazz imp_____ion *n.* the act of making something up on the spot or creating or performing something without preparation
286. advanced neu_____ogy *n.* technology or advancements in the field of neuroscience, often related to the study or manipulation of the brain or nervous system
287. from the cr___e to the grave *n.* a small bed for an infant, often designed to rock back and forth; a place or region where something begins or originates
288. int_____ted factors *adj.* closely connected or related to each other
289. an ab_____te must *adj.* perfect or complete or to the most considerable degree possible
290. property ow_____ip *n.* the state or fact of possessing, controlling, or having the right to something; the legal and moral right to use or dispose of something as one chooses
291. di_____e a setting *v.* to cause someone or something to become unable to function properly or as intended; to incapacitate or immobilize

ANSWERS: 283. controversy, 284. reinforcement, 285. improvisation, 286. neurotechnology, 287. cradle, 288. interrelated, 289. absolute, 290. ownership, 291. disable

292. mac_____ing processor *n.* the process through which computers change the way they perform jobs without following explicit instructions by using algorithms and statistical models to analyze and draw inferences from patterns in data
293. p__e a challenge *v.* to present a risk, problem, or other issues that must be addressed
294. ac_____e milestones *v.* to successfully complete a task or goal, often through hard work, perseverance, and dedication; to attain or accomplish something that one has set out to do
295. com_____on number *n.* a collection of things that have been combined; an assemblage of separate parts or qualities
296. cr__t arts of Japan *n.* an activity that requires a particular skill in making things with one's hands
297. sport ea___ds *n.* a small electronic device that fits into the ear canal and is used for listening to music or for communication, especially when attached to a portable audio player or mobile phone
298. trigger a re_____on *n.* a response that reveals a person's feelings or attitude; (in chemistry) a process in which one or more substances are changed into others
299. hos_____ze child *v.* to admit someone to a hospital for medical treatment
300. vi_____ly identical *adv.* almost completely

ANSWERS: 292. machine-learning, 293. pose, 294. achieve, 295. combination, 296. craft, 297. earbud, 298. reaction, 299. hospitalize, 300. virtually

301. em_____cy action	<i>n.</i>	a sudden unforeseen crisis usually involving danger that requires immediate action
302. a digital pl_____rm for enterprise	<i>n.</i>	the raised flat space close to the track at a train station where passengers get on or off the train; (technology) a computational or digital environment in which a piece of software is executed
303. lack of tra_____ncy	<i>n.</i>	the condition or quality of being easy to see through
304. a br__d mind	<i>adj.</i>	very wide; general
305. im_____t genes in the animals	<i>v.</i>	to insert or fix an artificial device in a person's body; to put an idea, attitude, etc., firmly in the mind
306. unsatisfied de___e	<i>n.</i>	a strong feeling of wanting to have or do something
307. det_____ion of a DNA sequence	<i>n.</i>	the quality of being persistent and purposeful; the act of finding out the exact nature or essence of something
308. na___n-state	<i>n.</i>	a large organized community of people living in a particular country or region and having a particular culture
309. pr_____g the agony	<i>v.</i>	to extend the duration or length of something, particularly a period of time or an event
310. resolve without com_____ion	<i>n.</i>	something that makes a situation or condition that is complex or confused
311. psychic tr___a	<i>n.</i>	an emotional wound or shock often has long-lasting effects caused by a highly upsetting or shocking experience

ANSWERS: 301. emergency, 302. platform, 303. transparency, 304. broad, 305. implant, 306. desire, 307. determination, 308. nation, 309. prolong, 310. complication, 311. trauma

312. ext_____ary weather *adj.* exceptional, unexpected, very unusual; surpassing the ordinary or usual
313. word ass_____ons *n.* a people or groups of people who have joined in a single organization together for a particular purpose; a social or business connection or relationship
314. n__m of action *n.* something that is regarded as usual, typical, or standard
315. phi_____hy of education *n.* the study of general and fundamental questions, such as those about existence, reason, knowledge, values, mind
316. lif_____ng device *n.* the act or process of rescuing someone else's life, especially from drowning
317. product int_____ory sale *adj.* intended as an introduction or preliminary; serving as a base or starting point
318. officious int_____nce *n.* the act or process of getting involved in and trying to influence a specific situation; the state of being affected and influenced with
319. tr____a care *n.* an emotional wound or shock often has long-lasting effects caused by a highly upsetting or shocking experience
320. a seafaring na____n *n.* a large organized community of people living in a particular country or region and having a particular culture
321. co_____e electricity *v.* to spend something, especially fuel, energy, or time, in a large amount

ANSWERS: 312. extraordinary, 313. association, 314. norm, 315. philosophy, 316. lifesaving, 317. introductory, 318. interference, 319. trauma, 320. nation, 321. consume

322. neu_____cal symptoms *adj.* of or relating to the science of neurology or the nervous system
323. em_____ed systems *adj.* fixed firmly into the surface of something
324. im_____ry pregnancy *adj.* existing only in someone's mind
325. ind_____us student *adj.* hardworking, diligent, and persistent in effort
326. au_____t immunity *v.* to increase the size, extent, quantity, etc. of something by adding something to it
327. 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
328. co_____t car *n.* an idea or principle associated with something abstract
329. LED-em_____ed glass *adj.* fixed firmly into the surface of something
330. con_____ive about production *adj.* holding traditional views and values and opposed to change or innovation
331. co_____fy athletes *v.* to turn something into an object of trade or commerce, particularly a good or service that was previously seen as having value beyond its market value
332. vulnerable to man_____te *v.* to influence or control something or someone to your advantage, often in an unfair or dishonest way
333. int_____nce wave *n.* the act or process of getting involved in and trying to influence a specific situation; the state of being affected and influenced with

ANSWERS: 322. neurological, 323. embedded, 324. imaginary, 325. industrious, 326. augment, 327. depression, 328. concept, 329. embedded, 330. conservative, 331. commodify, 332. manipulate, 333. interference

334. psy_____gy of crowd *n.* the scientific study of mind and behavior
335. en___e in environmental protection activities *v.* to attract and keep someone's attention and interest; to participate in or obtain services of something
336. as_____te with people widely *v.* to mentally connect someone or something with someone or something else
337. a cr_____l issue for women *adj.* extremely vital or necessary
338. hold your br___h *n.* the air that is taken into and expelled from your lungs; the process of taking into and expelling air from your lungs
339. rec_____on award *n.* the action or process of recognizing or being recognized, especially by remembering; an agreement that something is true or legal
340. anthropology lab_____ry *n.* a workplace for doing scientific research or teaching science; a lab
341. hu___e race *n.* a barrier or obstacle that must be overcome
342. fight uns_____ed *adj.* not given financial or other aid; not having any proof or evidence
343. in_____st longings *adj.* situated or occurring at the deepest or most central part or point; relating to one's deepest or most private thoughts, feelings, or experiences
344. his meal pre_____ces *n.* a stronger liking or interest for something or someone than another thing or person

ANSWERS: 334. psychology, 335. engage, 336. associate, 337. crucial, 338. breath, 339. recognition, 340. laboratory, 341. hurdle, 342. unsupported, 343. innermost, 344. preference

345. he is kept under sur_____nce *n.* the act of carefully monitoring a person suspected of a crime or a place where a crime may be committed or expected
346. ter_____ng events *adj.* very frightening or intimidating
347. control my em_____n *n.* a strong feeling such as love, anger, etc. deriving from one's situation, mood, or relationships with others
348. sur_____nce cameras *n.* the act of carefully monitoring a person suspected of a crime or a place where a crime may be committed or expected
349. ni__e market *n.* a specialized role or position that a species occupies within an ecosystem; a job or position particularly well suited to the person who occupies it
350. re___e moments *v.* to experience again or bring back the memory of a past event or time
351. western phi_____hy *n.* the study of general and fundamental questions, such as those about existence, reason, knowledge, values, mind
352. ov_____me opponents *v.* to succeed in controlling or dealing with something, such as a problem or difficulty; to defeat or overwhelm someone
353. par_____te in the program *v.* to take part in something
354. research on co_____ve psychology *adj.* of or relating to mental processes of understanding
355. de_____on by the security software *n.* the act of discovering or identifying the presence of something

ANSWERS: 345. surveillance, 346. terrifying, 347. emotion, 348. surveillance, 349. niche, 350. relive, 351. philosophy, 352. overcome, 353. participate, 354. cognitive, 355. detection

356. pr_____y abuse *n.* someone's right to keep their personal matters and relationships not watched or interrupted by other people
357. the au_____ic shrinking of the pupils *adj.* able to work or operate with little or no direct human control; independent of external control
358. cl_____al surgery *adj.* of or relating to the examination and treatment of patients rather than theoretical or laboratory studies
359. against tr_____on *n.* a belief, custom, or way of doing something that has been passed down from generation to generation within a group or society
360. com_____nt attitude *adj.* satisfied with the status quo and not wishing to make changes
361. pa_____er battery *n.* a small electronic device that is implanted in the chest to regulate the heartbeat of people with certain heart conditions; a person or thing that sets the pace or rhythm for others
362. lif_____ng efforts *n.* the act or process of rescuing someone else's life, especially from drowning
363. me_____se technologies *n.* an imaginary immersive area that is facilitated by the use of virtual reality (VR) and augmented reality (AR) headsets
364. a ta____o artist *n.* a form of body modification made by inserting ink, dyes, or pigments, either permanent or temporary, into the skin to form a design

ANSWERS: 356. privacy, 357. automatic, 358. clinical, 359. tradition, 360. complacent, 361. pacemaker, 362. lifesaving, 363. metaverse, 364. tattoo

365. en___e a new employee *v.* to attract and keep someone's attention and interest; to participate in or obtain services of something
366. re__t password *v.* to set again or differently; to return to a previous state or condition
367. ac_____e success *v.* to successfully complete a task or goal, often through hard work, perseverance, and dedication; to attain or accomplish something that one has set out to do
368. inf_____on pattern *n.* a change in the pitch or tone of one's voice; a change in the form of a word to indicate tense, mood, gender, or other grammatical categories
369. se_____ve documents *adj.* able to notice slight changes, signals, or influences; able to feel or perceive other's feelings; susceptible to the things people say or do
370. share ow_____ip *n.* the state or fact of possessing, controlling, or having the right to something; the legal and moral right to use or dispose of something as one chooses
371. ha_____ng journey *adj.* causing distress or suffering; extremely distressing
372. basic br__n function *n.* the organ inside the head that is responsible for one's movement, thought, memory, and feeling
373. cultural n__m *n.* something that is regarded as usual, typical, or standard

ANSWERS: 365. engage, 366. reset, 367. achieve, 368. inflection, 369. sensitive, 370. ownership, 371. harrowing, 372. brain, 373. norm

374. the ul____te goal in life

adj. furthest or highest in degree or order

375. re____m land from the sea

v. to take back something previously lost, given, or paid, or ask to have it back

376. aut____ate software license

v. to confirm or verify the validity or authenticity of something; to prove or establish that something is genuine or true

ANSWERS: 374. ultimate, 375. reclaim, 376. authenticate

Session 3: Fill in the Blanks

1. Little children tend to have _____ friends.
adj. existing only in someone's mind
2. You may be entitled to _____ some tax.
v. to take back something previously lost, given, or paid, or ask to have it back
3. The patient was diagnosed with a _____ in her lung.
n. a mass of diseased tissue that forms when cells in the body divide and grow in an uncontrolled way
4. Many civilians have suffered _____ as a result of the war.
n. an emotional wound or shock often has long-lasting effects caused by a highly upsetting or shocking experience
5. The _____ to the safe was a secret.
n. a collection of things that have been combined; an assemblage of separate parts or qualities
6. These articles cite five _____ of climate change.
n. a particular example or single occurrence of something
7. Unfortunately, the radio _____ made it difficult to hear the broadcast.
n. the act or process of getting involved in and trying to influence a specific situation; the state of being affected and influenced with
8. 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

ANSWERS: 1. imaginary, 2. reclaim, 3. tumor, 4. trauma, 5. combination, 6. instances, 7. interference, 8. flesh

9. He should _____ more with his colleagues.

v. to communicate or react with somebody

10. _____ all the parties signed the contract.

adv. almost completely

11. This conduct would be an invasion of _____.

n. someone's right to keep their personal matters and relationships not watched or interrupted by other people

12. It's important to _____ your strengths and weaknesses.

v. to acknowledge or realize something or someone; to identify, remember, or become aware of something that was previously known or encountered

13. This blog offers a variety of tips for _____ everyday life.

v. to hit and cut somebody or something roughly and violently; to find a bug in a computer program and break into their systems or networks

14. It is illegal to _____ police radio.

v. to stop and catch someone or something to prevent them from continuing to a destination

15. Every human is responsible for taking care of the Earth's _____.

n. the natural world such as air, water, and land in which humans, animals, and plants live

16. The con artist's lies quickly took in the _____ young man.

adj. showing unaffected simplicity and lack of experience, wisdom, or judgment

ANSWERS: 9. interact, 10. Virtually, 11. privacy, 12. recognize, 13. hacking, 14. intercept, 15. environment, 16. naive

17. 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
18. The unemployment rate in the first _____ was 2.3 percentage points higher than in the previous.
- n.* one of four equal parts; a fourth part or portion
19. He bated his _____ when talking about this affair.
- n.* the air that is taken into and expelled from your lungs; the process of taking into and expelling air from your lungs
20. I will introduce you to how to _____ the leading causes of the malfunction.
- v.* to recognize someone or something and say or prove who or what they are
21. His hometown was where he first acquired the _____ of wood carving.
- n.* an activity that requires a particular skill in making things with one's hands
22. When making arrests, police officers frequently _____ excessive force.
- v.* to give somebody a job and pay them for it; to make use of
23. The amount of money required was _____.
- adj.* so shocking as to stun or overwhelm
24. The senator received _____ criticism from his opponent.
- adj.* extremely serious or bad in feeling, manner, or strict and harsh; extremely strong or vigorous

ANSWERS: 17. algorithm, 18. quarter, 19. breath, 20. identify, 21. craft, 22. employ, 23. staggering, 24. severe

25. The invention of the smartphone _____ the way we communicate with each other.
- v. to bring about a complete or radical change in something, often through the introduction of new methods or ideas
26. The lawyer spent considerable time to adequately _____ the witness.
- v. to examine someone with questions over a lengthy period, especially in an aggressive manner
27. She _____ the loss of her beloved cat.
- v. to express sadness, grief, or disappointment about something, often by complaining or mourning
28. A smaller car will _____ less fuel.
- v. to spend something, especially fuel, energy, or time, in a large amount
29. Her _____ is comfortable clothing over fashionable ones.
- n. a stronger liking or interest for something or someone than another thing or person
30. The pharmacist not only prescribes the _____ but also guides its proper use.
- n. a drug or other form of medicine that treats, prevents, or alleviates the symptoms of the disease
31. The Ottoman Empire _____ for over five centuries.
- v. to grow or develop vigorously or successfully
32. 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

ANSWERS: 25. revolutionized, 26. interrogate, 27. lamented, 28. consume, 29. preference, 30. medication, 31. flourished, 32. virtual

33. The flashing lights at the concert triggered her _____ and caused a seizure.
n. a neurological disorder characterized by recurrent seizures or convulsions, which can manifest in a variety of ways and be caused by various factors
34. The _____ problem defied a solution.
adj. difficult to manage or control; stubborn or obstinate
35. She had to be _____ due to her injuries.
v. to admit someone to a hospital for medical treatment
36. 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
37. Both parties are now entirely ideologically _____.
v. to put or arrange two or more things in a straight line or to form a straight line
38. His membership in the _____ provided him with numerous benefits.
n. a people or groups of people who have joined in a single organization together for a particular purpose; a social or business connection or relationship
39. The president declared a state of _____.
n. a sudden unforeseen crisis usually involving danger that requires immediate action
40. His _____ faculties were getting worse because of a lack of sleep.
adj. of or relating to mental processes of understanding
41. The _____ approved by Congress was perfunctorily implemented.
n. an official rule made and maintained by a government or some other authority; the act of controlling or directing something according to a rule

ANSWERS: 33. epilepsy, 34. intractable, 35. hospitalized, 36. disorient, 37. aligned, 38. association, 39. emergency, 40. cognitive, 41. regulation

42. The systems we have developed has accepted as industry _____.
n. something that is regarded as usual, typical, or standard
43. This measure will _____ people against terrorism.
v. to protect something or someone from harm, damage, or loss
44. This smartphone has a collision _____ function.
n. the act of discovering or identifying the presence of something
45. She _____ a quick picture of the beautiful sunset before it disappeared.
v. to record on photographic film; to make a sudden, sharp sound; (noun) the act of catching an object with the hands
46. He could not _____ against temptation.
v. to make a great effort to do something when it is difficult, or there are a lot of problems; to use force or violence to break away from restraint or constriction
47. The patient needs a _____ transplant operation.
n. the act or process of rescuing someone else's life, especially from drowning
48. The speaker mounted the _____ and started to speak.
n. the raised flat space close to the track at a train station where passengers get on or off the train; (technology) a computational or digital environment in which a piece of software is executed
49. He was given _____ for his outstanding work in the field of medicine.
n. the action or process of recognizing or being recognized, especially by remembering; an agreement that something is true or legal

ANSWERS: 42. norms, 43. safeguard, 44. detection, 45. snapped, 46. struggle, 47. lifesaving, 48. platform, 49. recognition

50. _____ 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
51. The doctor prescribed some medicine for the mental _____.
n. an untidy state or a lack of organization; a physical condition or illness that causes problems with how a section of the body or brain functions
52. Anonymous, brilliant artists create content on any platform in the _____.
n. an imaginary immersive area that is facilitated by the use of virtual reality (VR) and augmented reality (AR) headsets
53. _____ amounts of heckling and slogan-shouting took place throughout the event.
adj. never having been seen, done, or known before
54. 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
55. Many software engineers are developing applications to build _____ algorithms more quickly.
n. the process through which computers change the way they perform jobs without following explicit instructions by using algorithms and statistical models to analyze and draw inferences from patterns in data
56. That candidate does not have _____ means to win an election with certainty.
adj. adequate; enough for a particular purpose or requirement

ANSWERS: 50. Depression, 51. disorder, 52. metaverse, 53. Unprecedented, 54. specific, 55. machine-learning, 56. sufficient

57. Since the 1990s, the Internet has continued to experience _____ growth.
adj. becoming more and more rapid; of or involving mathematical exponents
58. The doctor will _____ a pacemaker to regulate his heart rate.
v. to insert or fix an artificial device in a person's body; to put an idea, attitude, etc., firmly in the mind
59. Many multinational companies are _____ in the reconstruction of that country.
v. to attract and keep someone's attention and interest; to participate in or obtain services of something
60. This project has been _____ for several years.
adj. having started and currently in progress
61. The military _____ between the two countries created tension in the international community.
n. the state of a cooperative relationship between people or groups, especially in business
62. One such rapidly growing _____ is quantum cryptography.
n. an idea or principle associated with something abstract
63. The species occupies a unique _____ in the ecosystem as a top predator.
n. a specialized role or position that a species occupies within an ecosystem; a job or position particularly well suited to the person who occupies it
64. 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

ANSWERS: 57. exponential, 58. implant, 59. engaged, 60. underway, 61. partnership, 62. concept, 63. niche, 64. heartbeat

65. A technique called deep learning has led to _____ in AI.
n. a sudden, dramatic, and important discovery or development that helps to improve a situation or provide an answer to a problem
66. Please tell me how to _____ this computer.
v. to influence or control something or someone to your advantage, often in an unfair or dishonest way
67. The _____ class was designed to give students a basic understanding of the subject.
adj. intended as an introduction or preliminary; serving as a base or starting point
68. Animal protection groups call for an end to animal testing in a _____.
n. a workplace for doing scientific research or teaching science; a lab
69. I always carry a backup _____ in case my phone runs out of battery.
n. a piece of equipment, tool, or technology that serves a particular purpose or function, often mechanical or electronic
70. The _____ cause of the accident was due to the icy road conditions.
adj. first or highest in rank, order, or importance; most fundamental or essential; pertaining to the initial or introductory stage of something, such as a school year or election cycle
71. His _____ to succeed was unwavering, even in the face of adversity.
n. the quality of being persistent and purposeful; the act of finding out the exact nature or essence of something
72. He became _____ in his job and stopped trying to improve.
adj. satisfied with the status quo and not wishing to make changes

ANSWERS: 65. breakthroughs, 66. manipulate, 67. introductory, 68. laboratory, 69. device, 70. primary, 71. determination, 72. complacent

73. He bought noise-canceling _____ to help him concentrate while working in a noisy environment.
- n.* a small electronic device that fits into the ear canal and is used for listening to music or for communication, especially when attached to a portable audio player or mobile phone
74. We need to _____ the meeting for another hour to discuss all the issues.
- v.* to extend the duration or length of something, particularly a period of time or an event
75. She received special _____ training at the hospital.
- adj.* of or relating to the examination and treatment of patients rather than theoretical or laboratory studies
76. He wants to _____ ownership of the abandoned property.
- v.* to assert that something is true; to demand or request something as one's own; to lay legal or moral right to something; (noun) a demand or assertion of a right or something that one believes to be true
77. The main discussion topic is government _____.
- n.* the condition or quality of being easy to see through
78. She had a master's degree in _____.
- n.* the scientific study of mind and behavior
79. The teacher attempted to _____ the root cause of our mistake.
- v.* to think about in-depth and evaluate to discover essential features or meaning
80. Ethics is a branch of _____.
- n.* the study of general and fundamental questions, such as those about existence, reason, knowledge, values, mind

ANSWERS: 73. earbuds, 74. prolong, 75. clinical, 76. claim, 77. transparency, 78. psychology, 79. analyze, 80. philosophy

81. Drug _____ is associated with mental health disorders.
n. the act of using something in an unsuitable way or for the wrong purpose
82. The metal showed signs of _____ after being subjected to repeated stress.
n. a feeling of tiredness or weariness, especially as a result of physical or mental exertion; the reduction in the strength or efficiency of a material or structure due to repeated use or stress
83. He also continued to struggle with serious long-term _____.
n. something that makes a situation or condition that is complex or confused
84. The _____ description of a website is an important element for search engine optimization.
adj. pertaining to or involving a higher or more abstract level of analysis, interpretation, or self-reference, often used to describe aspects of gaming, social media, or other online communities that involve self-conscious or self-referential elements
85. We are responsible for the care and _____ of all our employees.
n. the state of being happy and healthy and prosperous
86. The federal _____ is planning to increase taxes for the next fiscal year.
n. the group of people with authority to control a country or state
87. The company's cybersecurity team _____ the CEO to potential threats.
v. to warn or arouse to a sense of danger; (adjective) paying close attention or being in a state of readiness for action
88. The _____ of Japan is known for its unique culture and advanced technology.
n. a large organized community of people living in a particular country or region and having a particular culture

ANSWERS: 81. misuse, 82. fatigue, 83. complications, 84. meta, 85. well-being, 86. government, 87. alerted, 88. nation

89. The linguist studied the _____ of the language's inflection in speech.
n. a change in the pitch or tone of one's voice; a change in the form of a word to indicate tense, mood, gender, or other grammatical categories
90. Many companies try to _____ popular trends to make a profit.
v. to turn something into an object of trade or commerce, particularly a good or service that was previously seen as having value beyond its market value
91. He created a beautiful piece of music using only _____.
n. the act of making something up on the spot or creating or performing something without preparation
92. Her _____ experience in the war had left her with deep emotional scars.
adj. causing distress or suffering; extremely distressing
93. He has the ____ to keep talking about this topic.
n. the ability to say or write things or ideas in a clever and humorous way
94. The study found that regular exercise can help to prevent the onset of _____ in older age.
n. a severe decline in cognitive function, especially memory, as a result of disease or injury
95. Despite its advanced science and technology, the empire was _____ about invasion.
adj. done with full consciousness of nature and effects rather than by accident
96. An _____ tide wrecked the ship.
adj. behaving in an angry, energetic, or threatening way towards another person; tending to spread quickly

ANSWERS: 89. inflection, 90. commodify, 91. improvisation, 92. harrowing, 93. wit, 94. dementia, 95. deliberate, 96. aggressive

97. Low sexual _____ typically correlates with low testosterone levels.
n. a strong feeling of wanting to have or do something
98. My accidental _____ got better right away.
n. harm done to a person's or an animal's body caused by an accident or an attack
99. They entered into _____ with the member of the ruling party.
n. a lot of discussion and argument about something, often involving strong feelings of anger or disapproval
100. Any activity on the Internet will be stored as a digital _____ for life.
n. a form of body modification made by inserting ink, dyes, or pigments, either permanent or temporary, into the skin to form a design
101. She plans to _____ in a new field after retiring from her current career.
v. to teach or learn a new or different set of skills or knowledge, usually to adapt to a new job, situation, or technology
102. I will work hard to _____ my goals and realize my dreams.
v. to successfully complete a task or goal, often through hard work, perseverance, and dedication; to attain or accomplish something that one has set out to do
103. The different parts of the system are _____ and rely on each other to function correctly.
adj. closely connected or related to each other
104. The revitalization of technology companies is _____ to the country's growth.
adj. extremely vital or necessary

ANSWERS: 97. desire, 98. injury, 99. controversy, 100. tattoo, 101. retrain, 102. achieve, 103. interrelated, 104. crucial

105. Economic factors and monetary policy _____ inflation.

- v.* to increase the size, extent, quantity, etc. of something by adding something to it

106. The judge gave severe _____ to the criminal who committed the heinous crime.

- n.* a penalty or consequence inflicted for wrongdoing or offense; a means of enforcing discipline or preventing further wrongdoing

107. Hospitals must meet various standards to prevent nosocomial _____.

- n.* a condition in which pathogenic microorganisms or viruses have entered the body

108. She opened her _____ to protect herself from the rain.

- n.* a device consisting of a circular canopy of cloth on a central pole used as protection against rain or sometimes against the sun

109. The farmer used a _____ to store feed for the animals.

- n.* a tall, cylindrical structure, usually made of concrete or steel, that is used for storing grain, feed, or other dry materials; a system or structure that is isolated or separate from others

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

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

111. He accumulated wealth across a _____ spectrum of assets.

- adj.* very wide; general

112. 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

ANSWERS: 105. augmented, 106. punishment, 107. infections, 108. umbrella, 109. silo, 110. transformed, 111. broad, 112. develop

113. The _____ session of the Diet opened.

adj. not different, exceptional, or unexpected in any way, especially in quality, ability, size, or degree

114. He tried to _____ a bad reputation and win the election.

v. to succeed in controlling or dealing with something, such as a problem or difficulty; to defeat or overwhelm someone

115. I advised him to _____ to his new surroundings.

v. to make fit for or change to suit a new purpose or environment

116. There was a chemical _____ of the lime with the groundwater.

n. a response that reveals a person's feelings or attitude; (in chemistry) a process in which one or more substances are changed into others

117. 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

118. The chemicals _____ a massive health risk.

v. to present a risk, problem, or other issues that must be addressed

119. Some herds have been observed to _____ hundreds of kilometers.

v. to make or be capable of making anything longer or broader without hurting or breaking

120. She is a _____ musician, able to play several instruments.

adj. having a natural ability or aptitude for something; showing exceptional skill or ability in a particular area

ANSWERS: 113. ordinary, 114. overcome, 115. adapt, 116. reaction, 117. AI, 118. pose, 119. stretch, 120. talented

121. Sensors convert physical phenomena into _____ signals.

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

122. The new smartphone has _____ authentication, such as facial recognition and fingerprint scanning.

adj. relating to the measurement and analysis of unique physical or behavioral characteristics of an individual, such as fingerprints or voice patterns, often used for identification or security purposes; (noun, biometrics) the use of measurable biological characteristics or traits, such as fingerprints, facial recognition, iris scans, or voice recognition, to identify or authenticate individuals

123. She is an _____ technician skilled in performing EEG tests on patients.

n. (also "EEG") a diagnostic medical procedure that involves the use of electrodes placed on the scalp to measure and record the electrical activity of the brain often used to assess and diagnose various neurological conditions

124. The sound of oncoming _____ grew louder, closer.

n. a step, or the sound generated by a person walking when their foot hits the ground

125. She is very _____ in her thoughts.

adj. based on or following traditional rules, standards, customs, etc.

126. We _____ the season's total trade deficit at \$50 billion.

v. to guess or calculate the cost, size, value, etc. of something

ANSWERS: 121. digital, 122. biometric, 123. electroencephalography, 124. footsteps, 125. conventional, 126. estimated

127. The doctor explained the _____ prognosis to the patient and his family, stressing the seriousness of the condition.
- n.* an aggressive and malignant type of brain tumor that arises from glial cells, particularly astrocytes, and is associated with a poor prognosis and high mortality rate
128. The wall was strengthened with the _____ of heavy steel beams.
- n.* the act of strengthening, supporting, or consolidating; something that serves to strengthen or support
129. 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
130. Removal of the central poll left the roof _____.
- adj.* not given financial or other aid; not having any proof or evidence
131. Some people with _____ may need to avoid certain activities or sources of electromagnetic interference.
- n.* a small electronic device that is implanted in the chest to regulate the heartbeat of people with certain heart conditions; a person or thing that sets the pace or rhythm for others
132. The governor decided to _____ the prisoner's death sentence temporarily.
- v.* to temporarily halt or cancel a punishment, especially death or other severe penalties; to provide temporary relief or break from something unpleasant or stressful; (noun) a temporary postponement or relief from something difficult or unpleasant, such as a punishment, a duty, or a difficult situation
133. In passenger aircraft, it is common to use an _____ pilot during cruising.
- adj.* able to work or operate with little or no direct human control; independent of external control

ANSWERS: 127. glioblastoma, 128. reinforcement, 129. individual, 130. unsupported, 131. pacemakers, 132. reprieve, 133. automatic

134. Scientific knowledge will _____ significantly with the power of AI.
v. to go or move forward; to develop in a positive way
135. The company faced several _____ in the development of its new product.
n. a barrier or obstacle that must be overcome
136. I like to watch old movies to _____ memories of my childhood.
v. to experience again or bring back the memory of a past event or time
137. 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
138. The majority of students actively _____ in the college's intramural sports program.
v. to take part in something
139. Gandhi had an _____ zeal for nonviolence.
adj. perfect or complete or to the most considerable degree possible
140. The novel affected her _____ causing her to question her beliefs and values.
adv. to a great or complete degree; deeply
141. I underwent aversion _____ for my addiction to alcohol.
n. the act of caring for someone through medication, remedial training, etc.

ANSWERS: 134. advance, 135. hurdles, 136. relive, 137. process, 138. participated, 139. absolute, 140. profoundly, 141. therapy

142. 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

143. The security system requires users to _____ their identity before gaining access.

- v.* to confirm or verify the validity or authenticity of something; to prove or establish that something is genuine or true

144. The security camera has _____ four intruders.

- v.* to find or recognize something, especially something difficult to see, hear, etc.

145. Some _____ are common across cultures and backgrounds.

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

146. He narrated the _____ story of his adventure.

- adj.* exceptional, unexpected, very unusual; surpassing the ordinary or usual

147. She visited the local _____ to seek treatment for her persistent headache.

- n.* a medical doctor who practices medicine

148. The majority of consumers _____ this brand with quality.

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

149. The company _____ a tracking code in the product's packaging to monitor its shipment.

- v.* to fix or set firmly in a surrounding mass

ANSWERS: 142. brain, 143. authenticate, 144. detected, 145. emotions, 146. extraordinary, 147. physician, 148. associate, 149. embedded

150. The _____ of getting the disease will drastically increase.

n. a chance that something may happen or be true

151. The _____ chip in my credit card allows me to make contactless payments.

adj. fixed firmly into the surface of something

152. The teacher is very _____ to children's feelings.

adj. able to notice slight changes, signals, or influences; able to feel or perceive other's feelings; susceptible to the things people say or do

153. She _____ the computer to fix the problem.

v. to set again or differently; to return to a previous state or condition

154. It is a _____ in many families to have a big Thanksgiving dinner with all their relatives.

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

155. He has produced _____ research on the subject.

adj. producing fresh findings; using novel techniques

156. I'm not _____ in our victory.

adj. feeling sure about your abilities or qualities or having trust in people, plans, or the future

157. The Prime Minister stressed the need to create _____ industries.

adj. introducing or using new methods, ideas, etc.

158. The software could _____ the encrypted data and reveal the hidden information.

v. to convert something, such as a message or piece of information, from a specific form into one that you can understand

ANSWERS: 150. possibility, 151. embedded, 152. sensitive, 153. reset, 154. tradition, 155. groundbreaking, 156. confident, 157. innovative, 158. decode

159. In medieval times, death punishment was _____ and socially accepted.

adj. existing or happening in various places or among many people

160. He told me a _____ truth about my parent's death.

n. the long tube in the body of a person or animal through which food passes when it leaves the stomach; the mental strength or bravery required to do something difficult or unpleasant

161. It took years of therapy before the patient could reveal their _____ thoughts and feelings.

adj. situated or occurring at the deepest or most central part or point; relating to one's deepest or most private thoughts, feelings, or experiences

162. He was known to be very _____ and would often work late into the night.

adj. hardworking, diligent, and persistent in effort

163. The baby peacefully slept in her _____ surrounded by stuffed animals and blankets.

n. a small bed for an infant, often designed to rock back and forth; a place or region where something begins or originates

164. The patient was diagnosed with a _____ disorder affecting their motor skills.

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

165. The experience was so _____ that it left a lasting impact on the survivor's mental health.

adj. relating to or caused by injury, especially emotional injury

166. The company has made great strides in its _____ toward sustainability.

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

ANSWERS: 159. widespread, 160. gut-wrenching, 161. innermost, 162. industrious, 163. cradle, 164. neurological, 165. traumatic, 166. progression

167. 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
168. The scientist analyzed the large _____ to conclude the experiment.
- n.* a structured collection of data that is compiled and processed in a computer system or program, typically for analysis, research, or machine learning purposes
169. The novel contains a criticism of the _____ society.
- n.* the act of carefully monitoring a person suspected of a crime or a place where a crime may be committed or expected
170. 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
171. The company's _____ has changed hands several times in the past few years.
- n.* the state or fact of possessing, controlling, or having the right to something; the legal and moral right to use or dispose of something as one chooses
172. The founding fathers fought for the _____ of the American people.
- n.* the state of being free within society from oppressive restrictions imposed by authority on one's way of life, behavior, or political views
173. This evidence supports the big-bang _____.
- n.* a proposed idea or explanation that is based on a few known facts but has not yet been proven to be true or accurate

ANSWERS: 167. neuron, 168. dataset, 169. surveillance, 170. suffers, 171. ownership, 172. liberty, 173. hypothesis

174. Research in _____ is leading to groundbreaking advancements in brain-computer interfaces.

n. technology or advancements in the field of neuroscience, often related to the study or manipulation of the brain or nervous system

175. My grandmother has _____ disease requires special care and attention from her caregivers.

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

176. The doctor diagnosed him with a rare _____ that had no known cure.

n. a disorder or illness that affects the body or mind, often characterized by specific symptoms or abnormal functioning of organs or systems

177. He always makes a _____ estimation when predicting future sales.

adj. holding traditional views and values and opposed to change or innovation

178. The police are searching for the _____ who stole the jewels.

n. a person who has committed a crime

179. The brain is an incredibly complex organ that controls the body's _____.

n. the purpose or use of an object, system, or process; a particular activity or operation that is designed to serve a specific purpose; a mathematical concept that describes a relationship between two sets of values, called the input and output sets; (verb) to operate or work in a specific way, or to perform a particular task or purpose

180. I have to be _____ of my budget when I go on vacation.

adj. aware of or knowledgeable about something; having consciousness or recognition of something

ANSWERS: 174. neurotechnology, 175. Alzheimer's, 176. disease, 177. conservative, 178. criminal, 179. function, 180. cognizant

181. Customs have made their biggest ever _____ of cocaine.

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

182. The focus of these initiatives is to make the financial system more _____.

adj. easy to perceive, detect, or understand; (of a material or article) permitting light to pass through freely

183. The long _____ to the air tarnished the antique tableware.

n. the state of being in a particular situation or place where there is no protection from or guarantee to something harmful; the disclosure of something secret

184. Cities around the world set records for highest _____ this summer.

n. the degree of hotness or coldness of a thing or place

185. Management must take _____ responsibility for the accident.

adj. furthest or highest in degree or order

186. Large earthquakes often generate _____ tsunamis.

adj. very frightening or intimidating

187. I had to _____ the pop-up blocker in my browser to access the website.

v. to cause someone or something to become unable to function properly or as intended; to incapacitate or immobilize

188. The cops _____ him of being the killer.

v. to consider anything to be actual or probable

ANSWERS: 181. seizure, 182. transparent, 183. exposure, 184. temperatures, 185. ultimate, 186. terrifying, 187. disable, 188. suspected