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Vocabulary Builder Reference from...

Gero Miesenboeck: Re-engineering the brain | TED Talk

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

All Words

IMPORTANT

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Session 1: Word List

doppelganger

n. a person who closely resembles or is a double of another person, often used to describe an uncanny similarity in appearance between two individuals

synonym: look-alike, twin, replica

(1) celebrity **doppelganger**, (2) evil **doppelganger**

The actress's **doppelganger** was hired to perform the more dangerous stunts in the film.

brilliant

adj. extremely clever, skilled, or impressive

synonym: luminous, intelligent, clever

(1) **brilliant** idea, (2) **brilliant** performance

The more **brilliant** you are, the more people around you look at you with envy and jealousy.

slightly

adv. in a small degree or extent; a little

synonym: barely, narrowly, scarcely

(1) increase **slightly**, (2) **slightly** alkaline soils

He moved his body **slightly** to the left.

mad

adj. insane, especially due to a mental illness; very angry

synonym: crazy, insane, furious

(1) a **mad** person, (2) gets **mad** easily

He was **mad** with joy to see the results.

android

n. a robot with a human appearance; (operating system)
Google's mobile operating system

synonym : droid, cyborg

(1) household **android**, (2) **Android** tablet

The lab is developing an **android** robot that assists in dangerous construction work.

saga

n. a long, detailed story or account of heroic deeds, family history, or notable events, often consisting of a series of connected episodes

synonym : epic, tale, chronicle

(1) fantasy **saga**, (2) historical **saga**

The epic **saga** of the family's journey through time captivated readers worldwide.

skull

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

synonym : cranium, scalp, brain

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

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

replace

v. to take the place of something

synonym : substitute, supersede, displace

(1) **replace** one word with another, (2) **replace** a phone

Eventually, the new design will **replace** all older models.

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**.

plexiglas

n. a transparent plastic material that is often used as a substitute for glass in various applications, such as

airplane windows and aquariums

synonym : acrylic, lucite, perspex

(1) **plexiglas** partition, (2) **plexiglas** window

The **plexiglass** shield protected the workers from flying debris.

dome

n. a rounded vault forming the roof of a building or structure, typically with a circular base

synonym : hemisphere, cupola, vaults

(1) snow **dome**, (2) **dome** structure

The cathedral **dome** soared high above, its stained-glass windows casting colorful light on the altar below.

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**.

observe

v. to watch or notice something carefully, often to gather information or insights; to take note of something or someone; to celebrate or commemorate a special event or occasion

synonym : watch, monitor, scrutinize

(1) **observe** a tradition, (2) **observe** wildlife

It is important to **observe** safety procedures in the workplace to prevent accidents.

optical

adj. of or relating to or light or the ability to see; (noun) the science of light and vision, and to instruments and techniques used in the study and application of light

synonym : visual, ocular

(1) new **optical** glasses, (2) **optical** fiber

The **optical** illusion made it appear like the building was floating in midair.

contrast

v. to put in opposition to show or emphasize differences
synonym: differ, vary, counterpoint

(1) **contrast** with a decade ago, (2) **contrast** two things
It's intriguing to compare and **contrast** the two authors.

evil

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

synonym: malign, corruption, immorality

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

twin

n. either of two children born at the same time from the same mother

(1) a **twin-lens** camera, (2) a **twin** room

Its **twin** brothers are difficult to tell apart except for their parents.

lust

n. a strong desire or craving, usually of a sexual nature
synonym: desire, passion, craving

(1) feel a pang of **lust**, (2) give in to **lust**

His **lust** for money and power drove him to make unethical decisions.

domination

n. the act of having control or power over someone or something

synonym: control, power, rule

(1) fall under foreign **domination**, (2) **domination** power

The **domination** of the Roman Empire over the Mediterranean region lasted for centuries.

motif

n. a recurring element in an artistic or literary work, typically a particular image or idea; a theme that is repeated or elaborated in a piece of music

synonym: theme, pattern, design

(1) animal **motif**, (2) the **motif** of a music piece

The repeating floral **motif** in the wallpaper added a touch of

elegance to the room.

sinister

adj. giving the impression that something bad or evil is happening or will happen

synonym: ominous, foreboding, evil

(1) **sinister** look, (2) in **sinister** terms

The dark clouds in the sky gave off a **sinister** feeling.

straight

adj. extending or moving in one direction without bending or curving; having no deviations

synonym: linear, honest, consecutive

(1) a **straight** line, (2) **straight** for two months

He was sick for five **straight** days.

neuroscience

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

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

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

observation

n. the act or activity of carefully examining or monitoring something or someone

synonym: watching, notice, reflection

(1) class **observation** day, (2) **observation** instrument

In the hospital, she will remain under constant **observation**.

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.

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.

chant

n. a simple melody or tune, typically one that is repeated or sung in a monotonous way; (verb) recite with musical intonation

synonym : hymn, mantra, (verb) recite

(1) **chant** melodies, (2) **chant** in the chapel

The soccer game crowd broke into a **chant** of "Go, team, go!"

simulate

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

synonym : pretend, imitate, mimic

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

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

dot

n. a very small circular mark, especially one that is printed

synonym : drop, dab, fleck

(1) connecting the **dots**, (2) **dot** blot method

The wallpaper had a pattern of pink **dots** on a white surface.

nervous

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

synonym : neural, anxious, uneasy

(1) development of the **nervous** system, (2) get **nervous**

He suffers from **nervous** breakdowns.

visible

adj. capable of being seen; or open to easy view

synonym : clear, observable, seeable

(1) **visible** stars, (2) **visible** by X-ray

My home is easily **visible** from the shore.

fir

n. a type of tall evergreen tree that is native to the northern hemisphere, with needle-like leaves and cones that stand upright on the branches

synonym : pine, spruce, cedar

(1) **fir** branch, (2) **fir** forest

The smell of fresh **fir** trees filled the air at the Christmas tree farm.

electrical

adj. relating to electricity

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

Actuators convert **electrical** pulses into motion.

impulse

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

synonym : stimulation, provocation, urge

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

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

roughly

adv. approximately but not precisely; with a violent manner

synonym : approximately, more or less, around

(1) **roughly** explain my idea, (2) **roughly** speaking

Five miles is **roughly** similar to eight kilometers.

cockroach

n. a flat, brown or black, chiefly nocturnal insects sometimes found in the home

synonym : roach

(1) **cockroach** killer, (2) have a **cockroach** phobia

Cockroaches sometimes cause allergic reactions in humans.

complicated

adj. involving a lot of different things or parts in a way that is difficult to understand or analyze

synonym : complex, convoluted, intricate

(1) a **complicated** process, (2) become increasingly

complicated

He did **complicated** pen-and-ink drawings in just a few days.

perception

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

synonym : understanding, idea, awareness

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

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

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.

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.

breaker

n. a person or thing that breaks, disrupts, or interrupts; a large wave that collapses or breaks forcefully onto the shore or against an obstacle

synonym : wave, interrupter, obstruction

(1) record **breaker**, (2) tide **breaker**

He used a circuit **breaker** to restore power to the entire building.

symbol

n. something visible that is used to represent something else

synonym : mark, character, insignia

(1) **symbol** color, (2) **symbol** for happiness

The dragon is considered a **symbol** of bravery.

essential

adj. indispensable; fundamental

synonym : critical, crucial, basic

(1) **essential** amino acid, (2) **essential** commodities of life
Trial and error is an **essential** part of education.

rearrange

v. to change the order or position of things already made; to change the time, date, or place of an event already planned

synonym : readjust, reorganize, reconstruct

(1) **rearrange** the furniture, (2) **rearrange** his schedule
Please **rearrange** these files as we start a new project tomorrow.

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.

intervention

n. the action or process of being done to improve or help a circumstance, often they have not been asked to do so

synonym : interference, intercession, treatment

(1) **intervention** by foreign powers, (2) surgical **intervention**

This **intervention** does not require the patient's consent.

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.

precision

n. the quality or condition of being exact and accurate

synonym : accuracy, exactness, rigor

(1) a **precision** instrument, (2) speak with **precision**
This operation requires both patience and **precision**.

realistic

adj. having or showing a sensible and practical idea that is possible to achieve

synonym : practical, pragmatic, down-to-earth

(1) a **realistic** goal, (2) a **realistic** goal

That story was so **realistic**, and it was scary.

grandiose

adj. impressive or grand in size, appearance, or manner, especially in an exaggerated or pompous way

synonym : elaborate, impressive, grandiloquent

(1) **grandiose** project, (2) make a **grandiose** claim

The **grandiose** mansion was a testament to the family's wealth and status.

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.

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**.

unravel

v. undo twisted, knitted, or woven threads by separating it

synonym : separate, unknot, ravel

(1) **unravel** a knit, (2) **unravel** a plot

Detectives are still attempting to **unravel** the mystery of his death.

mystery

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

synonym: enigma, puzzle, secret

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

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

attempt

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

synonym: endeavor, effort, try

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

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

tinker

v. to make repairs, adjustments, or improvements to something, especially in an experimental or makeshift way

synonym: fiddle, play, fix

(1) **tinker** with the bill, (2) **tinker** with the settings

He spent the afternoon **tinkering** with his car engine.

illustrious

adj. famous, respected, and honored

synonym: famous, renowned, distinguished

(1) an **illustrious** achievement, (2) **illustrious** figure

The **illustrious** scientist won the Nobel Prize for his groundbreaking work.

experiment

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

synonym: experimentation, investigation

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

His **experiments** showed highly positive results.

twitch

v. to make a sudden and quick movement with a part of the body; (noun) a sudden, small, jerky movement of a muscle or part of the body

synonym : spasm, jerk, flinch

(1) **twitch** at his sleeve, (2) **twitch** of an eye

She couldn't stop her leg from **twitching** nervously.

lumbar

adj. of or relating to the lower part of the spine, between the ribcage and the pelvis

synonym : lower back

(1) **lumbar** pain, (2) **lumbar** anesthesia

The **lumbar** region of the spine is susceptible to pain and injury.

rev

n. a measure of the rate at which an engine or motor rotates, often expressed in revolutions per minute (RPM); (verb) to increase the number of rotations per minute

synonym : revolution, RPM, speed

(1) low- **rev** engine, (2) **rev** up the crowd

He stepped on the gas pedal, and the engine released a loud **rev**.

fundamental

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

synonym : basic, essential, entire

(1) **fundamental** education, (2) **fundamental** rights

Human behavior has **fundamental** characteristics.

nugget

n. a small piece of gold or other precious metal or mineral found ready-formed in the earth; a small round piece of some food

synonym : chunk, clod, clump

(1) a gold **nugget**, (2) **nugget** of truth

It took a few weeks to extract the **nugget** of information from

those complicated sources.

neural

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

synonym : sensory, neuronic, nervous

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

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

probe

n. a tool used for testing or examining, especially for medical or scientific purposes, or an exploratory mission to a planet or other celestial body; (verb) to investigate, examine, or search into something

synonym : investigation, inquiry, examination

(1) a lunar **probe**, (2) **probe** for inside information

NASA sent a **probe** to study the atmosphere of Jupiter.

electrode

n. either of two points or ends of a conductor at which electricity enters or leaves an object, substance, or region

(1) platinum **electrodes**, (2) **electrode** corrosion

It is important to place the **electrodes** in the correct position for accurate electro-cardiogram recording.

state-of-the-art

adj. characterized by the use of the latest and most advanced technology or methods; cutting-edge

synonym : advanced, cutting-edge, innovative

(1) **state-of-the-art** technology, (2) **state-of-the-art** software

The hospital has **state-of-the-art** equipment and facilities to ensure the best healthcare for its patients.

drawback

n. a disadvantage or inconvenience that makes something less attractive

synonym : disadvantage, defect, weakness

(1) the **drawback** of his method, (2) one of the main **drawbacks**

He pointed out all the **drawbacks** to our plan.

stick

v. to put something, usually a sharp object, into something; to restrict yourself to doing or using one certain thing and not change; (noun) a thin piece of wood or other material

synonym : pierce, adhere, stay

(1) **stick** a key in a lock, (2) fire **stick**

You **stick** a bill in the change machine, and the coins pop out.

obvious

adj. easy to see, discover or understand

synonym : apparent, conspicuous, evident

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

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

crude

adj. being in an unrefined or natural state; (noun) the unprocessed form of oil

synonym : unrefined, native, vulgar

(1) price of **crude** oil, (2) **crude** manners

His **crude** jokes made her angry.

insert

v. to put something inside something else

synonym : introduce, add, embed

(1) **insert** coin, (2) **insert** a graphic

She **inserted** a new chapter into her manuscript.

simultaneously

adv. at the same time

synonym : concurrently, coincidentally, together

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

simultaneously

Two students answered the teacher's question

simultaneously.

logic

n. a way of thinking or reasoning conducted or evaluated by strict validity principles; the study of correct reasoning or good arguments

synonym : reasoning, reason, ratiocination

(1) an indisputable **logic**, (2) a demonstration in **logic**
There's no **logic** in his description.

upside

n. the positive aspect or potential of something; the upper side of something

synonym: advantage, benefit, top

(1) have no **upside**, (2) market **upside**

Many people see the **upside** of traveling as an opportunity to experience new cultures and broaden their horizons.

spot

n. a particular location or place; a small round or roundish area, differing in color or feels from the surface around it

synonym: dot, mark, place

(1) beauty **spot**, (2) a **spot** on his honor

This remote **spot** is rarely visited.

engineer

n. a person whose job is designing, building, or maintaining something such as machines, structures, or software

synonym: architect, creator, builder

(1) a civil **engineer**, (2) **engineer** shortage

The **engineer** will repair my telephone tomorrow morning.

element

n. a fundamental or essential part of something

synonym: component, feature, essence

(1) new design **elements**, (2) nonmetallic **elements**

Natural selection is an essential **element** in Darwin's theory of evolution.

responsive

adj. quick to respond or react to something

synonym: alert, reactive, sensitive

(1) **responsive** to affection, (2) **responsive** customer service

The **responsive** website design allows for easy navigation on any device.

diffuse

adj. spread out widely; not concentrated in one place

synonym : spread, scatter

(1) **diffuse** bleeding, (2) **diffuse** cloud

Direct lighting is preferable to **diffuse** lighting when reading.

broadcast

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

synonym : air, announce, advertise

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

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

flash

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

synonym : sparkle, gleam, glimmer

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

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

literally

adv. in the real or original meaning of a word or phrase; in a literal sense or way; not figuratively

synonym : actually, truly, verily

(1) translate **literally**, (2) bite his tongue **literally**

He **literally** jumped out of his chair when he heard the news.

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.

obstacle

n. a thing that blocks one's way or prevents or hinders progress

synonym : hindrance, barrier, block

(1) an **obstacle** to progress, (2) **obstacle** avoidance

The **obstacle** course was challenging but fun.

discovery

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

synonym : finding, uncovering, detection

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

Her research team made an important **discovery**.

invasive

adj. spreading very quickly, and often aggressively, and difficult to stop

synonym : aggressive, rampant, spreading

(1) **invasive** breast cancer, (2) **invasive** species

The **invasive** disease can spread quickly and potentially cause a global pandemic.

wireless

adj. of or relating a connection or communication that does not require a physical wire or cable, often through the use of radio waves or electromagnetic signals

synonym : cordless, radio

(1) **wireless** access, (2) **wireless** charging

The office's **wireless** network allows employees to work from anywhere in the building.

communicate

v. to share or exchange information with others by speaking, writing, moving your body, or using other signals

synonym : convey, share, transmit

(1) **communicate** his anxieties to the psychiatrist,

(2) **communicate** well with my advisor

Dolphins use sound to **communicate** with each other.

receiver

n. the part of a phone that you hold close to your ear and mouth; a person who receives something

synonym : acceptor, recipient, collector

(1) a GPS **receiver**, (2) aid **receiver**

Delivery companies often require the **receiver's** signature to certify the completion of package delivery.

fabricate

v. to make something, especially by assembling parts or constructing it from raw materials; to invent and present something false as true or real to deceive someone

synonym : manufacture, assemble, falsify

(1) **fabricate** a chemical, (2) **fabricate** an excuse

The detective discovered that the witness had **fabricated** her story about the crime.

encode

v. to convert information into a code or format suitable for storage or transmission

synonym : transcribe, convert

(1) **encode** data, (2) **encode** information

The software can **encode** and decode encrypted messages.

genetic

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

synonym : hereditary, genetical, inborn

(1) have **genetic** testing, (2) a **genetic** disorder

Understanding protein folding is a vital step in deciphering the **genetic** code.

makeup

n. colored substances used on someone's face to improve or change their appearance

synonym : maquillage, composition, cosmetic

(1) **makeup** artist, (2) take the **makeup** off her face

Her beauty resulted from a good night's sleep rather than **makeup**.

spontaneously

adv. in a way that is natural, not planned or forced, and often sudden

synonym : impromptu, automatically, immediately

(1) recover **spontaneously** after five days, (2) this shift occurs **spontaneously**

The electrical cord **spontaneously** combusted.

appreciate

v. to value and acknowledge the worth of someone or something; to be grateful for something or someone

synonym : acknowledge, admire, enjoy

(1) **appreciate** her feedback, (2) **appreciate** the value
We would **appreciate** an early reply.

simplicity

n. the quality or condition of being natural and plain or easy to understand or do

synonym : easiness, plainness, modesty

(1) a life of **simplicity**, (2) refined **simplicity**

He liked the car because of the **simplicity** of the design.

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.

technological

adj. based on scientific and industrial progress

synonym : specialized, technical

(1) **technological** advancement, (2) **technological** policy

Technological advances have disrupted many industries.

gizmo

n. a small gadget or mechanical device, particularly one that is difficult to name or describe

synonym : gadget, device, contraption

(1) handy **gizmo**, (2) high-tech **gizmo**

You can find all kinds of interesting **gizmos** in this store.

biology

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

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

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

miraculous

adj. very effective or lucky, or completely unexpected

synonym : amazing, astonishing, awesome

(1) a **miraculous** encounter, (2) go through a **miraculous** change

He made a **miraculous** recovery.

zoom

v. to move along very quickly; (noun) the act of rising upward into the air

synonym: move quickly, dive, buzz

(1) **zoom** in on a photo, (2) **zoom** lens

He **zoomed** back in time to the soccer game.

purple

adj. of a color intermediate between red and blue

synonym: violet

(1) deep **purple**, (2) **purple** sweet potatoes

The plant has a stunning **purple** blossom.

membrane

n. a soft, thin layer that forms animal or vegetable tissue

synonym: tissue layer

(1) cell **membranes**, (2) nuclear **membrane**

Loud noises might harm the fragile ear **membrane**.

stud

n. a small object with a head on one end and a sharp point on the other, used for fastening clothing, leather, or other materials; an animal used for breeding, typically a male horse or bull that is of superior breeding stock; (verb) to decorate or adorn with studs; to provide with studs for support

synonym: beam, scantling, framing

(1) horse **stud**, (2) wall **stud**

He bought a new **stud** to attach the strap to his watch.

microscopic

adj. tiny; exceedingly precise and detail-oriented; of or used in microscopy

synonym: infinitesimal, tiny, atomic

(1) **microscopic** inquiry, (2) **microscopic** analysis

Inspectors noticed **microscopic** cracks in the submarine's hull.

pore

n. a tiny hole in the skin of people or other animals that sweat can pass through; (verb) to read carefully or study

attentively

synonym : stoma, foramen

(1) woody **pore** fungi, (2) **pore** over reference books
I was sweating at every **pore**.

conduct

v. to organize and carry out a particular activity

synonym : behave, lead, carry on

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

responsible

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

synonym : accountable, answerable, liable

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

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

receptor

n. an organ having nerve endings that respond to stimulation such as heat or cold and makes the body react in a particular way

(1) cellular **receptor**, (2) **receptor** for HIV in humans
Hay fever occurs when a substance called histamine binds to **receptors** in the nose and eyes.

activate

v. make something start working, more active or dynamic

synonym : mobilize, stimulate, initiate

(1) **activate** a receptor, (2) **activate** a motor

You must **activate** the software with a 16-digit key before you can use it.

incredible

adj. unbelievable; enormous

synonym : unbelievable, fantastical, inconceivable

(1) **incredible** amount, (2) at **incredible** speed
Her response revealed **incredible** idiocy.

- gene** *n.* the fundamental unit of heredity and the sequence of nucleotides in DNA that codes for the creation of RNA or protein.
synonym : factor, cistron
(1) **gene** expression, (2) **gene** cloning
A defective **gene** is responsible for the disease.
- exploit** *v.* to make full use of and gain an advantage from resources, opportunities, etc.
synonym : use, abuse, control
(1) **exploit** a security hole, (2) **exploit** a valuable opportunity
We **exploit** our mining resources to strengthen our national power.
- cartoon** *n.* a simple drawing depicting a humorous or critical situation, often accompanied by a caption
synonym : illustration, drawing, caricature
(1) **cartoon** character, (2) **cartoon** industry
He spent his afternoon watching **cartoon** movies on TV.
- bluish** *adj.* having a color that is a shade of blue
synonym : blue, azure, navy
(1) **bluish** cloth, (2) **bluish** color
The flowers had a **bluish** tint, indicating they needed to be riper.
- purity** *n.* the state of being undiluted or unmixed with anything else; the state of being free from immorality, especially of a sexual nature
synonym : sinlessness, innocence, cleanliness
(1) the degree of **purity**, (2) high **purity**
Higher **purity** requires additional equipment and energy.
- artificial** *adj.* not natural and made by human beings; not real but produced to resemble something
synonym : synthetic, man-made, manufactured

(1) **artificial** flowers, (2) **artificial** environment

The **artificial** intelligence system has revolutionized the way we live and work.

mess

n. a state of confusion, dirtiness, or untidiness; (verb) to fail to do something or to make something dirty or untidy

synonym: disarray, confusion, predicament

(1) have a whole **mess**, (2) get into a **mess**

He made a frightful **mess** in his room.

deflect

v. to cause something, especially a criticism or attack, to be directed away from someone

synonym: deter, redirect, sidetrack

(1) **deflect** a blow, (2) **deflect** his criticism

The soccer player was able to **deflect** the ball away from the goal.

trace

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

synonym: seek, follow, depict

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

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

pulse

n. the regular heartbeat as it sends blood around the body, especially when it is felt at the wrist or side of the neck; a solid regular vibration of sound, electric current, light, or other waves

synonym: beat, vibration, throb

(1) a weak **pulse**, (2) **pulse** waves

The cardiac monitor displays the intensity of your **pulse**.

moving

adj. causing strong emotions or feelings, especially sadness or sympathy

synonym: emotional, poignant, touching

(1) **moving** experience, (2) **moving** ceremony

His **moving** speech about his struggles with addiction brought tears to the audience's eyes.

equivalent

n. having the same value, quality, meaning, purpose, etc.
synonym : equal, counterpart, match

(1) **equivalent** amounts, (2) **equivalent** in meaning
The European Central Bank is Europe's **equivalent** of the Federal Reserve.

graduate

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

synonym : alumna, alum, grad

(1) **graduate** degree program, (2) honor **graduate**
Many employers hire **graduate** trainees to train as managers.

frustrate

v. to hinder or prevent efforts, plans, or desires from doing, succeeding, or being fulfilled; to make someone feel upset or annoyed because they are unable to change or achieve something

synonym : hinder, thwart, dishearten

(1) **frustrate** the advancement, (2) **frustrate** other team members

The coach explained a strategy to **frustrate** the opponent's schemes to the players.

swat

v. to strike or hit someone or something with a quick, sharp blow, usually with the hand or a flat object; (noun, an acronym that stands for "Special Weapons And Tactics") specialized groups within police departments that are trained to handle high-risk operations that regular officers are not equipped to deal with

synonym : slap, smack, hit

(1) expertly **swat** back the ball, (2) **SWAT** operation
I had to **swat** away a fly that was buzzing around my head.

reflex

n. an automatic and unthinking response to a particular stimulus; a physical reaction to external stimuli

synonym : reaction, response, instinct

(1) **reflex** test, (2) knee **reflex**

My leg kicked involuntarily when the doctor tapped my knee with the **reflex** hammer.

vibrate

v. to move or cause anything to move fast and in small increments from side to side

synonym: oscillate, convulse, jerk

(1) **vibrate** at a regular frequency, (2) **vibrate** with anger

During the flight, the wings of the plane **vibrate**.

plat

n. a map or a plan that shows the division and layout of land into lots or parcels; a piece of land typically used for building or agricultural purposes

synonym: map, chart, diagram

(1) **plat** book, (2) a former **plat** of farmland

The city planning department keeps detailed **plats** of all the local properties.

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.

brutal

adj. harsh or cruel

synonym: harsh, cruel, barbarous

(1) **brutal** bully, (2) **brutal** honesty

The **brutal** attack left the victim with serious injuries.

headless

adj. having no head or lacking a head

synonym: decapitated, beheaded

(1) find his **headless** body, (2) **headless** torso

The **headless** corpse was found in the alleyway behind the nightclub.

groom

v. to clean, brush, and care for the fur or feathers of an animal; to prepare oneself or someone else for a special event or occasion; to make something neat; (noun, also "bridegroom") a man who is about to be married or has recently been married

synonym: brush, comb, neaten

(1) **groom** duties, (2) **groom** a horse

I need to **groom** my dog before his fur gets too long.

excessive

adj. greater than what seems necessary, normal, or desirable

synonym: unreasonable, exorbitant, inflated

(1) an **excessive** force, (2) take **excessive** care

It would be best if you did not demand such an **excessive** charge.

trait

n. a particular feature of your nature

synonym: attribute, feature, quality

(1) chemical **trait**, (2) personality **traits**

Multiple genes may influence behavioral **traits** concurrently.

survive

v. to live or exist despite a dangerous event or period

synonym: endure, persist, stay

(1) **survive** a blizzard, (2) **survive** a plane crash

These birds can only **survive** in temperate climates.

decapitate

v. to cut off the head of someone; to behead

synonym: behead, sever, cut off

(1) **decapitate** the enemy, (2) **decapitate** a statue

The executioner was about to **decapitate** the condemned prisoner.

vanity

n. excessive pride in or admiration of one's appearance or achievements

synonym: conceit, egotism, self-importance

(1) out of **vanity**, (2) wounded **vanity**

His **vanity** prevented him from seeing his flaws.

flee

v. to leave by running away, especially out of fear or danger

synonym: exit, escape, run away

(1) **flee** their homes, (2) **flee** abroad

It is a basic instinct to **flee** from a dangerous situation.

motor

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

synonym: actuator, engine, machine

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

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

spinal

adj. of or relating to the spine (= the long bone in the body's back)

(1) **spinal** injury, (2) brain and **spinal** cord

The surgeon carefully confirmed how to remove the tumor to avoid damaging the **spinal** nerves.

cord

n. a strong, thick, or thin thread or rope; a piece of plastic-coated wire used to transport electricity to a piece of equipment

synonym: wire, cable, string

(1) spinal **cord**, (2) electrical **cord**

Your spinal **cord** is located deep within your body.

optogenetics

n. a branch of biotechnology that involves the use of light to control the activity of genetically modified cells or neurons in living tissue, often used in neuroscience research

(1) **optogenetics** technique, (2) **optogenetics** manipulation

The recent advances in **optogenetics** research have paved the way for a deeper understanding of neuronal functions.

explode

v. to burst or break open violently and noisily; to cause something to burst or break open

synonym: detonate, blast, rupture

(1) **explode** in anger, (2) **explode** in popularity

The old building **exploded** in a fiery inferno.

lab

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

synonym: workshop, laboratory, research chamber

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

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

interfere

v. to get involved in and prevent a process or activity from continuing

synonym: interpose, interrupt, hamper

(1) **interfere** in another country's affairs, (2) **interfere** with DNA synthesis

Your talking **interferes** with my work.

psychology

n. the scientific study of mind and behavior

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

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

profound

adj. extremely great; sensed or experienced very strongly; displaying a high level of knowledge or comprehension

synonym: deep, unsounded, far-reaching

(1) a **profound** book, (2) the **profound** depths of the sea

My mother's illness had a **profound** impact on us all.

string

n. long, thin material used for tying things together, composed of several twisted threads

synonym: line, wire, rope

(1) retie the **string** and make it strong, (2) tense piano **strings**

She wore a **string** of pearls around her neck.

constant

adj. happening repeatedly or all the time

synonym : ceaseless, stable, unchanging

(1) a **constant** wind, (2) a **constant** temperature

Constant dropping wears away the stone.

decide

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

synonym : choose, determine, settle

(1) **decide** a question, (2) **decide** on a course of action

She couldn't **decide** whether to order the pizza or the pasta for dinner.

cope

v. to deal with and overcome difficulties or problems

synonym : manage, handle, deal with

(1) **cope** with stress, (2) **cope** alone with a child

The company was able to **cope** with the changes in the market by introducing new products.

decision-maker

n. a person who makes important decisions, especially at a high level in an organization

(1) policy **decision-maker**, (2) act as a **decision-maker**

A wealth of information does not always have a positive impact on **decision-makers**.

implement

v. to put a decision, plan, or system into effect

synonym : execute, enforce, put through

(1) **implement** a corporate strategy, (2) **implement** security measures

The government promised to **implement** a new system to control the financial crisis.

policy

n. a set of rules, guidelines, principles, or procedures that govern decision-making or action, often used in the context of business or government; a course of action or plan of action adopted or followed by an organization or individual to achieve a goal or objective

synonym : strategy, plan, guideline

(1) health **policy**, (2) foreign **policy**

The company's new **policy** on remote work has made it a more inclusive workplace.

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**.

context

n. the circumstances, facts, or conditions that surround a particular event, situation, or statement and that give it meaning

synonym: background, setting, environment

(1) historical **context**, (2) legal **context**

It's important to understand the **context** of a situation before making a decision.

operate

v. to work in a particular way; to supervise something

synonym: work, use, employ

(1) **operate** 24 hours a day, (2) manually **operate** a machine

This machine is too difficult to **operate** for me.

decision

n. the act or process of making up someone's mind about something; a choice or judgment reached after considering options

synonym: choice, determination, judgment

(1) **decision** authority, (2) a selfish **decision**

She was struggling to make a **decision** between two job offers.

loop

n. a shape like a curve or a circle made by something long and thin, such as a piece of string, that bends round and crosses itself

synonym: circle, curl, spiral

(1) exit from a **loop**, (2) positive feedback **loop**
Many people in this city use the **loop** railway for transportation.

neurobiology

n. a field of biology that studies the structure, function, and development of the nervous system, including the brain, spinal cord, and peripheral nerves encompassing a wide range of research topics, including the molecular and cellular processes involved in neural signaling, the organization of neural circuits, and the neural basis of behavior, cognition, and emotion

synonym: brain science, neural science, neurology

(1) **neurobiology** research, (2) cellular **neurobiology**
The professor's research in **neurobiology** has led to groundbreaking discoveries in the field of brain science.

abstract

adj. based on general ideas, feelings, or qualities and not on any a physical or concrete existence

synonym: conceptual, theoretical, ideational

(1) an **abstract** noun, (2) **abstract** science

The invention of the camera triggered the development of **abstract** painting.

construct

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

synonym: build, assemble, create

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

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

dimension

n. a measurable extent of a particular kind, such as width, height, or length

synonym: extent, measurement, size

(1) new **dimension**, (2) the crosswise **dimension**

Overall **dimensions** are approximately 400x200mm.

chamber

n. a large room used for a formal, public, or particular purpose; one of the parts of a parliament

synonym: association, cabin, legislature

(1) a gas **chamber**, (2) the lower **chamber**

The surgeon made an incision in the **chambers** of the patient's heart.

vertical

adj. upright or perpendicular to a horizontal surface or line

synonym: perpendicular, upright, plumb

(1) **vertical** takeoff, (2) **vertical** axis

The ladder leaned against the **vertical** surface of the building.

stack

n. a pile of something arranged or laid one on top of another; a large tall chimney through which combustion gases and smoke can be evacuated

synonym: accumulation, heap, pile

(1) high **stack**, (2) a large **stack** of paper

The earthquake caused a **stack** of lumber to crumble noisily.

odor

n. a distinctive or unpleasant smell; a scent or aroma that can be sensed through the sense of smell

synonym: smell, aroma, fragrance

(1) **odor** control, (2) pleasant **odor**

The **odor** from the trash can was unbearable, so I had to take it out.

security

n. the state of being free from danger, risk, or harm; measures taken to protect against threats or attacks; a financial asset, such as a stock or bond that derives value exclusively from the ownership interest or claim to a particular underlying asset or obligation

synonym: safety, protection, stock

(1) national **security**, (2) **security** analyst

The building's **security** system includes cameras, alarms, and security guards.

pace

n. the speed at which someone or something moves, or the rate at which something happens or changes

synonym : gait, rate, speed

(1) at your own **pace**, (2) the runner's **pace**

The economy is growing at a supercharged **pace**.

midpoint

n. the exact middle point or position between two things or places; a point that is equidistant from two other points

synonym : center point, halfway point

(1) **midpoint** formula, (2) **midpoint** theorem

The **midpoint** between New York City and Los Angeles is located in Kansas.

stream

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

synonym : flow, current, brook

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

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

midline

n. an imaginary line that divides something, such as a shape, object, or body, into two equal or symmetrical halves

synonym : centerline, median, halfway point

(1) **midline** incision, (2) **midline** herniation

The **midline** of a rectangle divides it into two halves.

reflection

n. the act of thinking deeply about something, or the ability to think deeply; the image of something that is seen in a mirror or other reflective surface

synonym : contemplation, meditation, consideration

(1) **reflection** question, (2) photon **reflection**

The teacher asked the students to write a **reflection** on the book they had just read.

intelligent

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

synonym : brilliant, clever, competent

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

incorporate

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

synonym : contain, integrate, amalgamate

(1) **incorporate** the current trends, (2) **incorporate** technology into daily life

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

adaptive

adj. capable of adjusting to new situations or changing conditions

synonym : flexible, adjustable, pliant

(1) the **adaptive** coloring, (2) **adaptive** technology

The **adaptive** learning system adjusts the difficulty level of the lessons based on the student's performance.

intelligence

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

synonym : brains, brightness, cleverness

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

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

assume

v. to think or accept something to be true without having proof of it; to take or begin to have power; to begin to exhibit a specific quality or appearance

synonym : guess, presume, suppose

(1) **assume** a lousy attitude to his boss, (2) **assume** an important role

The following example **assumes** that the capacity of each battery is the same.

critic

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

synonym : pundit, analyst, attacker

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

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

commentary

n. an expression or explanation of opinions or observations on a particular subject, event, or situation; detailed analysis or explanation provided in writing or orally

synonym : analysis, critique, interpretation

(1) **commentary** piece, (2) political **commentary**

The sports **commentary** provided insightful analysis and observations throughout the game.

nag

v. to annoy or irritate someone persistently with repeated complaints, requests, or criticism; (noun) an old or over-worked horse

synonym : hassle, bother, badger

(1) **nag** about the minor thing, (2) **nag** political leaders

She couldn't stop **nagging** her husband to take out the trash.

Catholic

adj. universal and including many different types of things; related to or associated with the part of the Christian Church that has the Pope as its leader

(1) **catholic** in his tastes, (2) the **Catholic** Church

Sociologists are now interested in **catholic** world peace.

church

n. a building or institution dedicated to religious worship or activities; a Christian religious organization or denomination

synonym : chapel, cathedral, synagogue

(1) **church** bell, (2) small **church**

The **church** on the corner is hosting a free community meal tonight.

ego *n.* a consciousness of your own identity; a person's sense of self-esteem or self-importance, especially inflated one
synonym: self-esteem, personality, psyche
(1) **ego** defense mechanisms, (2) national **ego**
She was constantly trying to boost her **ego** by talking about her accomplishments.

Jewish *adj.* of or relating to people whose traditional religion is Judaism
synonym: Judaic
(1) **Jewish** history, (2) **Jewish** culture
My friend is a **Jewish** woman who celebrates Hanukkah every year.

ingredient *n.* one of the things used to make something, especially one of the foods used to make a particular dish
synonym: element, component
(1) secret **ingredients**, (2) compound the **ingredients**
Greed is the primary **ingredient** in the making of criminals.

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.

breed *v.* to keep animals for producing offspring in a regulated manner
synonym: raise, multiply, reproduce
(1) **breed** horses, (2) **breed** suspicion
This animal **breeds** in northern latitudes.

random *adj.* made, done, or happening without method, conscious decision, or any regular pattern
synonym: incidental, arbitrary, unanticipated
(1) a **random** choice, (2) bombs fell at **random**

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

pep

n. energy, enthusiasm, or liveliness; (verb) to give someone energy, enthusiasm, or liveliness

synonym: energy, enthusiasm, liveliness

(1) **pep** me up, (2) have a lot of **peps**

The coach gave a **pep** talk to the team before the game to boost their spirits.

reinforce

v. to strengthen or support something, especially by adding another material to it; to make emotion, idea, etc. stronger

synonym: strengthen, fortify, support

(1) **reinforce** the military, (2) **reinforce** good behavior

We should **reinforce** the troops at the front line.

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.

strain

n. a force or pressure that stretches or pulls something, sometimes causing damage; (biology) a group of organisms within a species that differ in trivial ways from similar groups

synonym: pressure, tension, breed

(1) **strain** our eyes, (2) a **strain** of bacillus

Dictators of the past often had the erroneous idea of a pure racial **strain**.

neurotransmitter

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

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

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

dopamine

n. a chemical substance produced by nerve cells as a neurotransmitter; as a drug, it is used to treat shock and hypotension

(1) **dopamine-inhibiting** agent, (2) antagonism of **dopamine**

The drug controls the level of **dopamine** in the brain.

identity

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

synonym: character, personality, individuality

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

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

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.

largely

adv. virtually entirely; to a large degree

synonym: mainly, chiefly, broadly

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

Nevada is **largely** a desert state.

dramatically

adv. in a very impressive manner

synonym: greatly, noticeably, suddenly

(1) he confessed **dramatically**, (2) the cabin pressure fell **dramatically**

Life expectancy has grown **dramatically** this century.

consequence

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

synonym: result, impact, outcome

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

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

march

v. to walk militarily with stiff, regular steps

synonym: parade

(1) **march** against the war, (2) **march** east

The troops **marched** shoulder-to-shoulder.

unchanged

adj. not altered, modified, or varied in any way

synonym: unaltered, constant

(1) **unchanged** routine, (2) **unchanged** from the previous month

The company's policy remained **unchanged** despite the criticism.

pause

v. to take a short break from talking or doing something before continuing

synonym: halt, break, intermit

(1) **pause** a moment, (2) **pause** for a reaction

The man **paused** before opening the door.

scan

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

synonym: look over, scrutinize, browse

(1) **scan** the face of the man, (2) **scan** a document into PDF

She stood on the podium and **scanned** an audience.

interface

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

synonym: junction, surface, UI

(1) **interface** between gas and liquid, (2) the user **interface**

Detergent weakens the surface tension at the **interface** of two liquids.

sniff

v. to inhale audibly through the nose, often to detect or identify a smell; to draw in air through the nostrils with a quick, audible intake of breath

synonym : smell, inhale, scent

(1) **sniff** the air, (2) **sniff** the perfume

The dog stopped to **sniff** around the tree, looking for something interesting.

instruction

n. detailed direction, order, etc., on how to do or use something

synonym : education, direction, guidance

(1) individual **instruction**, (2) follow his **instructions**

They needed further **instruction** to perform their duties efficiently.

structure

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

synonym : construction, architecture, establishment

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

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

mushroom

n. a type of fungus that grows on dead or decaying organic matter and typically has a stalk and an umbrella-shaped cap

synonym : fungus, toadstool

(1) **mushroom** spores, (2) **mushroom** cultivation

The **mushroom** risotto was delicious, but I couldn't identify all the mushrooms in it.

formal

adj. following established, public, or official forms and conventions, often in a serious or somber manner

synonym : ceremonial, official, traditional

(1) a **formal** festival, (2) **formal** request

The event required **formal** attire, so he wore a suit and tie.

anatomy

n. the scientific study that deals with the physical structure of humans, animals, or plants

(1) animal **anatomy**, (2) **anatomy** of a country's collapse
The professor explained the **anatomy** of the nervous system.

electronics

n. the branch of physics and technology that deals with the behavior and control of electrons and the use of electronic devices and systems

synonym: technology, gadgets, circuitry

(1) **electronics** industry, (2) **electronics** store

The company specializes in manufacturing and selling cutting-edge **electronics**.

toy

n. a thing, typically a small model or replica of something that is played with, especially by children

synonym: plaything, game, trinket

(1) **toy** store, (2) **toy** box

He gave his daughter a new **toy** for her birthday.

circuit

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

synonym: route, course, rotation

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

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

sensor

n. a device that receives a signal or stimulus such as heat, pressure, light, motion, etc. and responds to it in a specific manner

synonym: detector

(1) motion **sensor** lighting, (2) an image **sensor**

This automatic door could no longer be opened due to a **sensor** failure.

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.

presence

n. the fact or state that someone or something exists, occurs, or is present

synonym : existence, actuality, fact

(1) the evidence of the **presence**, (2) his majestic **presence**

The path to a solid online **presence** necessitates a high technical ability.

odorous

adj. having a strong or distinct smell; emitting a noticeable or pungent odor

synonym : fragrant, aromatic, smelly

(1) **odorous** gases, (2) **odorous** chemicals

The **odorous** smell coming from the garbage bin was unbearable.

molecule

n. a group of two or more atoms held together by attractive forces known as chemical bonds

synonym : particle, element, atom

(1) small **molecules**, (2) **molecule** behavior

The shape of the DNA **molecule** is a double helix.

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.

pilot

n. a person who flies an aircraft, especially as a job; a person qualified to guide ships through a difficult area of water

synonym : aviator, flyer, chief

(1) a test **pilot**, (2) **pilot** production

The **pilot** exercised great care in landing.

cockpit

n. the area in an aircraft or spacecraft from which the pilot controls the aircraft or spacecraft

synonym : flight deck, control room, bridge

(1) navigator's **cockpit**, (2) **cockpit** ship

The pilot sat in the **cockpit** of the airplane.

strength

n. the quality or state of being physically, or sometimes mentally, strong

synonym : resilience, power, muscles

(1) **strength** of the economy, (2) muscular **strength**

Health and **strength** are, above all, gold.

evasive

adj. not willing to give clear or direct answers to a question or commit to a request; avoiding or escaping from difficulty or danger

synonym : deceitful, ambiguous, unclear

(1) take **evasive** action, (2) an **evasive** answer

He admitted all wrongdoing without using any **evasive** words in his press conference.

initiate

v. to begin or start something; to teach the basics or fundamentals of something to somebody; to formally admit someone into a group or organization

synonym : commence, start, begin

(1) **initiate** a project, (2) **initiate** a discussion

The committee will **initiate** an investigation into the company's financial records.

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.

zap

v. to strike, destroy, get rid of, or kill something or someone suddenly and with force

synonym : destroy, kill, exterminate

(1) **zap** a huge target, (2) **zap** bar code

They provided allies with powerful weapons that could **zap** the enemy from thousands of miles away.

strengthen

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

synonym : reinforce, harden, boost

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

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

trigger

v. to make something happen suddenly; to cause something such as a device, machine, etc. to function

synonym : activate, spark, drive

(1) **trigger** a biochemical response, (2) **trigger** inflation

The incident **triggered** a political controversy.

maneuver

n. a motion or combination of moves that requires skill and care; a clever strategy, activity, or movement intended to give someone an advantage

synonym : gimmick, trick, action

(1) political **maneuvers**, (2) made a great **maneuver**

In this class, we learn the basic **maneuver** of the plane.

exhilarating

adj. making one feel very happy and lively; invigorating; providing a feeling of excitement or thrill

synonym : thrilling, exciting, stimulating

(1) an **exhilarating** drink, (2) **exhilarating** view

Bungee jumping was an **exhilarating** experience that left me shaking with adrenaline.

vague

adj. not clearly expressed or understood

synonym : ambiguous, imprecise, dim

(1) **vague** idea, (2) make a **vague** answer

The **vague** rumor turned out to be false.

notion

n. a general idea or understanding of something, particularly an abstract or complex concept; a belief or opinion, often one that is not based on solid evidence or facts

synonym : idea, concept, belief

(1) **notion** of success, (2) vague **notion**

The **notion** of time travel has long fascinated scientists and fiction writers alike.

evaporate

v. to turn a liquid into a gas; to become less intense and disappear gradually

synonym : vaporize, disappear, vanish

(1) **evaporate** the water, (2) **evaporate** almost overnight

The sun will **evaporate** the mist.

mechanism

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

synonym : means, method, system

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

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

remains

n. the leftover parts or pieces of something that have been destroyed, removed, or consumed; the physical or biological remains of a deceased person, plant, animal

synonym : leftovers, debris, relic

(1) **remains** of a building, (2) human **remains**

The **remains** of the ancient civilization can still be seen in the city's ruins.

lift

v. to raise something to a higher position or level; to pick up something or somebody and move them to a different position

synonym : raise, elevate, move up

(1) **lift** sagging skin, (2) **lift** a ban on alcohol

The drought **lifted** the prices of grain globally.

interaction

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

synonym: dealings, exchange, relations

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

(2) **interaction** among human beings

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

distant

adj. far away in space, time, or where you are; far apart in relevance, relationship, or kinship

synonym: far, isolated, remote

(1) a **distant** memory, (2) **distant** ancestors

The sun set over the crest of **distant** hills.

Session 2: Spelling

- | | |
|----------------------------|---|
| 1. tec_____cal advancement | <i>adj.</i> based on scientific and industrial progress |
| 2. lu___r pain | <i>adj.</i> of or relating to the lower part of the spine, between the ribcage and the pelvis |
| 3. z__m lens | <i>v.</i> to move along very quickly; (noun) the act of rising upward into the air |
| 4. vi_____e with anger | <i>v.</i> to move or cause anything to move fast and in small increments from side to side |
| 5. com_____ry piece | <i>n.</i> an expression or explanation of opinions or observations on a particular subject, event, or situation; detailed analysis or explanation provided in writing or orally |
| 6. re_____s of a building | <i>n.</i> the leftover parts or pieces of something that have been destroyed, removed, or consumed; the physical or biological remains of a deceased person, plant, animal |
| 7. small mo_____les | <i>n.</i> a group of two or more atoms held together by attractive forces known as chemical bonds |
| 8. pu__e waves | <i>n.</i> the regular heartbeat as it sends blood around the body, especially when it is felt at the wrist or side of the neck; a solid regular vibration of sound, electric current, light, or other waves |

ANSWERS: 1. technological, 2. lumbar, 3. zoom, 4. vibrate, 5. commentary, 6. remains, 7. molecule, 8. pulse

9. a ge____c disorder *adj.* of or relating to genes (= parts of the DNA in cells) or the science of genes
10. di____e cloud *adj.* spread out widely; not concentrated in one place
11. permanent br__n damage *n.* the organ inside the head that is responsible for one's movement, thought, memory, and feeling
12. an____y of a country's collapse *n.* the scientific study that deals with the physical structure of humans, animals, or plants
13. a mir____us encounter *adj.* very effective or lucky, or completely unexpected
14. S__T operation *v.* to strike or hit someone or something with a quick, sharp blow, usually with the hand or a flat object; (noun, an acronym that stands for "Special Weapons And Tactics") specialized groups within police departments that are trained to handle high-risk operations that regular officers are not equipped to deal with
15. surgical int____ion *n.* the action or process of being done to improve or help a circumstance, often they have not been asked to do so
16. a s__t on his honor *n.* a particular location or place; a small round or roundish area, differing in color or feels from the surface around it
17. br____l honesty *adj.* harsh or cruel
18. chemical tr__t *n.* a particular feature of your nature

ANSWERS: 9. genetic, 10. diffuse, 11. brain, 12. anatomy, 13. miraculous, 14. swat, 15. intervention, 16. spot, 17. brutal, 18. trait

19. z_p a huge target *v.* to strike, destroy, get rid of, or kill something or someone suddenly and with force
20. tr____r a biochemical response *v.* to make something happen suddenly; to cause something such as a device, machine, etc. to function
21. tense piano st____gs *n.* long, thin material used for tying things together, composed of several twisted threads
22. vi____e by X-ray *adj.* capable of being seen; or open to easy view
23. s__n the face of the man *v.* to examine something hastily, with the eyes or with a machine, to get information
24. the great di_____ry of the century *n.* the act or process of finding information, a place, or an object, or learning about something that was previously not known
25. co_____ct a 3D image *v.* to build or create something; to assemble or combine different parts to form something whole
26. act as a dec_____ker *n.* a person who makes important decisions, especially at a high level in an organization
27. ob____e a tradition *v.* to watch or notice something carefully, often to gather information or insights; to take note of something or someone; to celebrate or commemorate a special event or occasion

ANSWERS: 19. zap, 20. trigger, 21. string, 22. visible, 23. scan, 24. discovery, 25. construct, 26. decision-maker, 27. observe

28. tra_____nt crystal *adj.* easy to perceive, detect, or understand; (of a material or article) permitting light to pass through freely
29. pi__t production *n.* a person who flies an aircraft, especially as a job; a person qualified to guide ships through a difficult area of water
30. si_____te a future scenario *v.* to make a pretense of someone's behavior or looks; to reproduce something that exists in real life using computers, models, etc., usually for study or training purposes
31. a t__n room *n.* either of two children born at the same time from the same mother
32. platinum el_____des *n.* either of two points or ends of a conductor at which electricity enters or leaves an object, substance, or region
33. obs_____on instrument *n.* the act or activity of carefully examining or monitoring something or someone
34. tr_____r inflation *v.* to make something happen suddenly; to cause something such as a device, machine, etc. to function
35. e_o defense mechanisms *n.* a consciousness of your own identity; a person's sense of self-esteem or self-importance, especially inflated one
36. psy_____gy experiment *n.* the scientific study of mind and behavior
37. fire st__k *v.* to put something, usually a sharp object, into something; to restrict yourself to doing or using one certain thing and not change; (noun) a thin piece of wood or other material

ANSWERS: 28. transparent, 29. pilot, 30. simulate, 31. twin, 32. electrode, 33. observation, 34. trigger, 35. ego, 36. psychology, 37. stick

38. pleasant o__r *n.* a distinctive or unpleasant smell; a scent or aroma that can be sensed through the sense of smell
39. ad____ve technology *adj.* capable of adjusting to new situations or changing conditions
40. a large st__k of paper *n.* a pile of something arranged or laid one on top of another; a large tall chimney through which combustion gases and smoke can be evacuated
41. he____ss torso *adj.* having no head or lacking a head
42. ca____n industry *n.* a simple drawing depicting a humorous or critical situation, often accompanied by a caption
43. c__e alone with a child *v.* to deal with and overcome difficulties or problems
44. com_____te his anxieties to the psychiatrist *v.* to share or exchange information with others by speaking, writing, moving your body, or using other signals
45. have a whole m__s *n.* a state of confusion, dirtiness, or untidiness; (verb) to fail to do something or to make something dirty or untidy
46. la____y accepted *adv.* virtually entirely; to a large degree
47. a di____t memory *adj.* far away in space, time, or where you are; far apart in relevance, relationship, or kinship
48. ob____e wildlife *v.* to watch or notice something carefully, often to gather information or insights; to take note of something or someone; to celebrate or commemorate a special event or occasion

ANSWERS: 38. odor, 39. adaptive, 40. stack, 41. headless, 42. cartoon, 43. cope, 44. communicate, 45. mess, 46. largely, 47. distant, 48. observe

49. r_v up the crowd *n.* a measure of the rate at which an engine or motor rotates, often expressed in revolutions per minute (RPM); (verb) to increase the number of rotations per minute
50. 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
51. the lower ch____r *n.* a large room used for a formal, public, or particular purpose; one of the parts of a parliament
52. g__e expression *n.* the fundamental unit of heredity and the sequence of nucleotides in DNA that codes for the creation of RNA or protein.
53. co_____ct a dam *v.* to build or create something; to assemble or combine different parts to form something whole
54. keen per_____on *n.* a belief, opinion, or image you have based on how you regard, understand, or interpret something; the ability to see, hear, or notice something through the senses
55. cell me____nes *n.* a soft, thin layer that forms animal or vegetable tissue

ANSWERS: 49. rev, 50. function, 51. chamber, 52. gene, 53. construct, 54. perception, 55. membrane

56. pa__e a moment *v.* to take a short break from talking or doing something before continuing
57. res_____le for a customer service *adj.* answerable or accountable for something within one's power, control, or management
58. at your own p__e *n.* the speed at which someone or something moves, or the rate at which something happens or changes
59. sn__f the perfume *v.* to inhale audibly through the nose, often to detect or identify a smell; to draw in air through the nostrils with a quick, audible intake of breath
60. take the ma___p off her face *n.* colored substances used on someone's face to improve or change their appearance
61. com_____on number *n.* a collection of things that have been combined; an assemblage of separate parts or qualities
62. exh_____ing view *adj.* making one feel very happy and lively; invigorating; providing a feeling of excitement or thrill
63. inc_____te technology into daily life *v.* to include something as a part of a larger entity
64. in_____te a project *v.* to begin or start something; to teach the basics or fundamentals of something to somebody; to formally admit someone into a group or organization
65. sta_____art technology *adj.* characterized by the use of the latest and most advanced technology or methods; cutting-edge

ANSWERS: 56. pause, 57. responsible, 58. pace, 59. sniff, 60. makeup, 61. combination, 62. exhilarating, 63. incorporate, 64. initiate, 65. state-of-the-art

66. sp___l injury *adj.* of or relating to the spine (= the long bone in the body's back)
67. cell and molecular bi_____y *n.* the scientific study of life and the natural processes of living things
68. id_____fy handwriting *v.* to recognize someone or something and say or prove who or what they are
69. opt_____ics technique *n.* a branch of biotechnology that involves the use of light to control the activity of genetically modified cells or neurons in living tissue, often used in neuroscience research
70. fa_____te a chemical *v.* to make something, especially by assembling parts or constructing it from raw materials; to invent and present something false as true or real to deceive someone
71. a charm against e___l *adj.* profoundly immoral, cruel, and wicked; having or exerting a harmful effect on people
72. personality tr___ts *n.* a particular feature of your nature
73. legal co_____t *n.* the circumstances, facts, or conditions that surround a particular event, situation, or statement and that give it meaning
74. horse s___d *n.* a small object with a head on one end and a sharp point on the other, used for fastening clothing, leather, or other materials; an animal used for breeding, typically a male horse or bull that is of superior breeding stock; (verb) to decorate or adorn with studs; to provide with studs for support

ANSWERS: 66. spinal, 67. biology, 68. identify, 69. optogenetics, 70. fabricate, 71. evil, 72. trait, 73. context, 74. stud

75. an ev_____e answer *adj.* not willing to give clear or direct answers to a question or commit to a request; avoiding or escaping from difficulty or danger
76. made a great ma_____er *n.* a motion or combination of moves that requires skill and care; a clever strategy, activity, or movement intended to give someone an advantage
77. navigator's co_____t *n.* the area in an aircraft or spacecraft from which the pilot controls the aircraft or spacecraft
78. mu_____om spores *n.* a type of fungus that grows on dead or decaying organic matter and typically has a stalk and an umbrella-shaped cap
79. no____n of success *n.* a general idea or understanding of something, particularly an abstract or complex concept; a belief or opinion, often one that is not based on solid evidence or facts
80. follow his ins_____ons *n.* detailed direction, order, etc., on how to do or use something
81. have no up____e *n.* the positive aspect or potential of something; the upper side of something
82. motion se____r lighting *n.* a device that receives a signal or stimulus such as heat, pressure, light, motion, etc. and responds to it in a specific manner
83. f_r forest *n.* a type of tall evergreen tree that is native to the northern hemisphere, with needle-like leaves and cones that stand upright on the branches

ANSWERS: 75. evasive, 76. maneuver, 77. cockpit, 78. mushroom, 79. notion, 80. instruction, 81. upside, 82. sensor, 83. fir

84. el_____de corrosion *n.* either of two points or ends of a conductor at which electricity enters or leaves an object, substance, or region
85. de___e a message *v.* to convert something, such as a message or piece of information, from a specific form into one that you can understand
86. the con_____ce of an argument *n.* the outcome of a particular action or event, especially relative to an individual
87. str_____en the immune system *v.* to become stronger or more effective; to make someone or something stronger or more effective
88. take ev_____e action *adj.* not willing to give clear or direct answers to a question or commit to a request; avoiding or escaping from difficulty or danger
89. vi_____e at a regular frequency *v.* to move or cause anything to move fast and in small increments from side to side
90. ve_____al axis *adj.* upright or perpendicular to a horizontal surface or line
91. co_____st two things *v.* to put in opposition to show or emphasize differences
92. field of artificial int_____nce *n.* the ability to learn, comprehend, or make judgments or conclusions based on reasons
93. in si_____er terms *adj.* giving the impression that something bad or evil is happening or will happen

ANSWERS: 84. electrode, 85. decode, 86. consequence, 87. strengthen, 88. evasive, 89. vibrate, 90. vertical, 91. contrast, 92. intelligence, 93. sinister

94. human re____s *n.* the leftover parts or pieces of something that have been destroyed, removed, or consumed; the physical or biological remains of a deceased person, plant, animal
95. str_____en a border patrol *v.* to become stronger or more effective; to make someone or something stronger or more effective
96. a weak pu__e *n.* the regular heartbeat as it sends blood around the body, especially when it is felt at the wrist or side of the neck; a solid regular vibration of sound, electric current, light, or other waves
97. an ex_____ve force *adj.* greater than what seems necessary, normal, or desirable
98. d_t blot method *n.* a very small circular mark, especially one that is printed
99. a mo__r mechanic *n.* a device that converts electricity, fuel, etc. into movement and makes a machine, vehicle, etc. work
100. a combative im_____e *n.* a sudden strong and unreflective wish or need to do something; the electrical discharge that travels along a nerve fiber
101. fantasy s__a *n.* a long, detailed story or account of heroic deeds, family history, or notable events, often consisting of a series of connected episodes
102. new op_____l glasses *adj.* of or relating to or light or the ability to see; (noun) the science of light and vision, and to instruments and techniques used in the study and application of light

ANSWERS: 94. remains, 95. strengthen, 96. pulse, 97. excessive, 98. dot, 99. motor, 100. impulse, 101. saga, 102. optical

103. refined sim_____ty *n.* the quality or condition of being natural and plain or easy to understand or do
104. ti___r with the bill *v.* to make repairs, adjustments, or improvements to something, especially in an experimental or makeshift way
105. ele_____cs store *n.* the branch of physics and technology that deals with the behavior and control of electrons and the use of electronic devices and systems
106. ob_____le avoidance *n.* a thing that blocks one's way or prevents or hinders progress
107. per_____on of a stimulus *n.* a belief, opinion, or image you have based on how you regard, understand, or interpret something; the ability to see, hear, or notice something through the senses
108. his conclusion was ob_____s *adj.* easy to see, discover or understand
109. p_p me up *n.* energy, enthusiasm, or liveliness; (verb) to give someone energy, enthusiasm, or liveliness
110. the Ca_____ic Church *adj.* universal and including many different types of things; related to or associated with the part of the Christian Church that has the Pope as its leader
111. the user in_____ce *n.* (computer science) a program that controls a display for the user and that allows the user to interact with the system; (chemistry) a surface forming a common boundary between two things

ANSWERS: 103. simplicity, 104. tinker, 105. electronics, 106. obstacle, 107. perception, 108. obvious, 109. pep, 110. Catholic, 111. interface

112. env_____nt affairs *n.* the natural world such as air, water, and land in which humans, animals, and plants live
113. make a gr_____se claim *adj.* impressive or grand in size, appearance, or manner, especially in an exaggerated or pompous way
114. historical co_____t *n.* the circumstances, facts, or conditions that surround a particular event, situation, or statement and that give it meaning
115. res_____ve to affection *adj.* quick to respond or react to something
116. unintended con_____ces *n.* the outcome of a particular action or event, especially relative to an individual
117. severe cr____c *n.* someone who expresses opinions about the quality of books, music, etc.
118. genic com_____ons *n.* a collection of things that have been combined; an assemblage of separate parts or qualities
119. e__l ways *adj.* profoundly immoral, cruel, and wicked; having or exerting a harmful effect on people
120. re_____ge his schedule *v.* to change the order or position of things already made; to change the time, date, or place of an event already planned
121. id_____ty as an individual *n.* the fact of being who or what somebody or something is; the features, emotions, or ideas that distinguish persons from one another

ANSWERS: 112. environment, 113. grandiose, 114. context, 115. responsive, 116. consequence, 117. critic, 118. combination, 119. evil, 120. rearrange, 121. identity

122. I__t a ban on alcohol *v.* to raise something to a higher position or level; to pick up something or somebody and move them to a different position
123. beauty s__t *n.* a particular location or place; a small round or roundish area, differing in color or feels from the surface around it
124. degree in ele_____al engineering *adj.* relating to electricity
125. for in_____ce *n.* a particular example or single occurrence of something
126. Je___h culture *adj.* of or relating to people whose traditional religion is Judaism
127. se_____ty analyst *n.* the state of being free from danger, risk, or harm; measures taken to protect against threats or attacks; a financial asset, such as a stock or bond that derives value exclusively from the ownership interest or claim to a particular underlying asset or obligation
128. the st_____re of a machine *n.* the way of construction of something and the arrangement of its parts, or a complex thing constructed of many parts
129. co_____st with a decade ago *v.* to put in opposition to show or emphasize differences
130. psy_____gy of crowd *n.* the scientific study of mind and behavior
131. art_____al flowers *adj.* not natural and made by human beings; not real but produced to resemble something

ANSWERS: 122. lift, 123. spot, 124. electrical, 125. instance, 126. Jewish, 127. security, 128. structure, 129. contrast, 130. psychology, 131. artificial

132. ov_____me opponents *v.* to succeed in controlling or dealing with something, such as a problem or difficulty; to defeat or overwhelm someone
133. 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
134. br_____st a radio ad *v.* to send out a program or some information on radio or television
135. this shift occurs spo_____sly *adv.* in a way that is natural, not planned or forced, and often sudden
136. one of the main dr_____cks *n.* a disadvantage or inconvenience that makes something less attractive
137. ro_____y speaking *adv.* approximately but not precisely; with a violent manner
138. recover spo_____sly after five days *adv.* in a way that is natural, not planned or forced, and often sudden
139. bl___h color *adj.* having a color that is a shade of blue
140. ca_____n character *n.* a simple drawing depicting a humorous or critical situation, often accompanied by a caption
141. sl_____ly alkaline soils *adv.* in a small degree or extent; a little
142. dec_____te the enemy *v.* to cut off the head of someone; to behead
143. aid re_____er *n.* the part of a phone that you hold close to your ear and mouth; a person who receives something

ANSWERS: 132. overcome, 133. claim, 134. broadcast, 135. spontaneously, 136. drawback, 137. roughly, 138. spontaneously, 139. bluish, 140. cartoon, 141. slightly, 142. decapitate, 143. receiver

144. series of exp_____nts *n.* the scientific test conducted to observe what happens and gain new knowledge
145. compound the ing_____nts *n.* one of the things used to make something, especially one of the foods used to make a particular dish
146. spinal c__d *n.* a strong, thick, or thin thread or rope; a piece of plastic-coated wire used to transport electricity to a piece of equipment
147. an int_____nt person *adj.* having the capacity for thought and reason, especially to a high degree
148. st_____re and function of the brain *n.* the way of construction of something and the arrangement of its parts, or a complex thing constructed of many parts
149. ov_____me all difficulties *v.* to succeed in controlling or dealing with something, such as a problem or difficulty; to defeat or overwhelm someone
150. dom_____on power *n.* the act of having control or power over someone or something
151. ch___h bell *n.* a building or institution dedicated to religious worship or activities; a Christian religious organization or denomination
152. n_g political leaders *v.* to annoy or irritate someone persistently with repeated complaints, requests, or criticism; (noun) an old or over-worked horse

ANSWERS: 144. experiment, 145. ingredient, 146. cord, 147. intelligent, 148. structure, 149. overcome, 150. domination, 151. church, 152. nag

153. c__e with stress *v.* to deal with and overcome difficulties or problems
154. an____e your real motives *v.* to think about in-depth and evaluate to discover essential features or meaning
155. co_____ch killer *n.* a flat, brown or black, chiefly nocturnal insects sometimes found in the home
156. mi____e incision *n.* an imaginary line that divides something, such as a shape, object, or body, into two equal or symmetrical halves
157. notable in____ce *n.* a particular example or single occurrence of something
158. a fo___l festival *adj.* following established, public, or official forms and conventions, often in a serious or somber manner
159. secret ing_____nts *n.* one of the things used to make something, especially one of the foods used to make a particular dish
160. tw___h at his sleeve *v.* to make a sudden and quick movement with a part of the body; (noun) a sudden, small, jerky movement of a muscle or part of the body
161. ex_____t a security hole *v.* to make full use of and gain an advantage from resources, opportunities, etc.
162. mistaken id____ty *n.* the fact of being who or what somebody or something is; the features, emotions, or ideas that distinguish persons from one another

ANSWERS: 153. cope, 154. analyze, 155. cockroach, 156. midline, 157. instance, 158. formal, 159. ingredient, 160. twitch, 161. exploit, 162. identity

163. a gold nu___t *n.* a small piece of gold or other precious metal or mineral found ready-formed in the earth; a small round piece of some food
164. ch___t melodies *n.* a simple melody or tune, typically one that is repeated or sung in a monotonous way; (verb) recite with musical intonation
165. basic br___n function *n.* the organ inside the head that is responsible for one's movement, thought, memory, and feeling
166. sy___l for happiness *n.* something visible that is used to represent something else
167. t_y box *n.* a thing, typically a small model or replica of something that is played with, especially by children
168. wi_____ss access *adj.* of or relating a connection or communication that does not require a physical wire or cable, often through the use of radio waves or electromagnetic signals
169. st___n our eyes *n.* a force or pressure that stretches or pulls something, sometimes causing damage; (biology) a group of organisms within a species that differ in trivial ways from similar groups
170. neu_____ter receptor *n.* a chemical that carries nerve impulses between neurons or between neurons and muscles
171. en_____er shortage *n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software

ANSWERS: 163. nugget, 164. chant, 165. brain, 166. symbol, 167. toy, 168. wireless, 169. strain, 170. neurotransmitter, 171. engineer

172. animal mo__f *n.* a recurring element in an artistic or literary work, typically a particular image or idea; a theme that is repeated or elaborated in a piece of music
173. learn new co____ts *n.* an idea or principle associated with something abstract
174. sy___l color *n.* something visible that is used to represent something else
175. the int_____on between man and his environment *n.* the act of connecting with someone, mainly when working, playing, or spending time with them
176. tr__e a telephone call *v.* to find or discover someone or something that was lost
177. tec_____cal policy *adj.* based on scientific and industrial progress
178. do_____ne-inhibiting agent *n.* a chemical substance produced by nerve cells as a neurotransmitter; as a drug, it is used to treat shock and hypotension
179. the st___m of time *n.* a small, narrow river; a continuous flow of something, such as liquid, gas, people, vehicles, etc.
180. wounded va___y *n.* excessive pride in or admiration of one's appearance or achievements
181. opt_____ics manipulation *n.* a branch of biotechnology that involves the use of light to control the activity of genetically modified cells or neurons in living tissue, often used in neuroscience research

ANSWERS: 172. motif, 173. concept, 174. symbol, 175. interaction, 176. trace, 177. technological, 178. dopamine, 179. stream, 180. vanity, 181. optogenetics

182. art cr___c *n.* someone who expresses opinions about the quality of books, music, etc.
183. de___e on a course of action *v.* to make up someone's mind about something; to come to a conclusion or judgment after considering options
184. sk___l fracture *n.* a bone framework that surrounds the brain and gives the head its shape
185. record br____r *n.* a person or thing that breaks, disrupts, or interrupts; a large wave that collapses or breaks forcefully onto the shore or against an obstacle
186. de____on authority *n.* the act or process of making up someone's mind about something; a choice or judgment reached after considering options
187. ex____t a valuable opportunity *v.* to make full use of and gain an advantage from resources, opportunities, etc.
188. political ma____ers *n.* a motion or combination of moves that requires skill and care; a clever strategy, activity, or movement intended to give someone an advantage
189. 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
190. a demonstration in lo___c *n.* a way of thinking or reasoning conducted or evaluated by strict validity principles; the study of correct reasoning or good arguments

ANSWERS: 182. critic, 183. decide, 184. skull, 185. breaker, 186. decision, 187. exploit, 188. maneuver, 189. claim, 190. logic

191. si____er look *adj.* giving the impression that something bad or evil is happening or will happen
192. su____r a setback *v.* to experience pain, distress, or hardship; to undergo or endure something painful or unpleasant
193. de____t smuggling across borders *v.* to find or recognize something, especially something difficult to see, hear, etc.
194. fr____te other team members *v.* to hinder or prevent efforts, plans, or desires from doing, succeeding, or being fulfilled; to make someone feel upset or annoyed because they are unable to change or achieve something
195. have a thick sk__l *n.* a bone framework that surrounds the brain and gives the head its shape
196. su____e a plane crash *v.* to live or exist despite a dangerous event or period
197. ne____l stem cells *adj.* of or relating to a nerve or the nervous system that includes the brain
198. od____s chemicals *adj.* having a strong or distinct smell; emitting a noticeable or pungent odor
199. n_g about the minor thing *v.* to annoy or irritate someone persistently with repeated complaints, requests, or criticism; (noun) an old or over-worked horse
200. f_r branch *n.* a type of tall evergreen tree that is native to the northern hemisphere, with needle-like leaves and cones that stand upright on the branches

ANSWERS: 191. sinister, 192. suffer, 193. detect, 194. frustrate, 195. skull, 196. survive, 197. neural, 198. odorous, 199. nag, 200. fir

201. chaotic env_____nt *n.* the natural world such as air, water, and land in which humans, animals, and plants live
202. 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
203. mi_____nt formula *n.* the exact middle point or position between two things or places; a point that is equidistant from two other points
204. a gas ch_____r *n.* a large room used for a formal, public, or particular purpose; one of the parts of a parliament
205. en_____e information *v.* to convert information into a code or format suitable for storage or transmission
206. 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
207. have a lot of p_p_s *n.* energy, enthusiasm, or liveliness; (verb) to give someone energy, enthusiasm, or liveliness
208. have a co_____ch phobia *n.* a flat, brown or black, chiefly nocturnal insects sometimes found in the home
209. go through a mir_____us change *adj.* very effective or lucky, or completely unexpected
210. fa_____te an excuse *v.* to make something, especially by assembling parts or constructing it from raw materials; to invent and present something false as true or real to deceive someone

ANSWERS: 201. environment, 202. reaction, 203. midpoint, 204. chamber, 205. encode, 206. neuron, 207. pep, 208. cockroach, 209. miraculous, 210. fabricate

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| 211. vague no___n | <i>n.</i> a general idea or understanding of something, particularly an abstract or complex concept; a belief or opinion, often one that is not based on solid evidence or facts |
| 212. a tra_____nt lie | <i>adj.</i> easy to perceive, detect, or understand; (of a material or article) permitting light to pass through freely |
| 213. an ill_____us achievement | <i>adj.</i> famous, respected, and honored |
| 214. si_____te climate change | <i>v.</i> to make a pretense of someone's behavior or looks; to reproduce something that exists in real life using computers, models, etc., usually for study or training purposes |
| 215. f___e abroad | <i>v.</i> to leave by running away, especially out of fear or danger |
| 216. the cabin pressure fell dra_____lly | <i>adv.</i> in a very impressive manner |
| 217. increase sl_____ly | <i>adv.</i> in a small degree or extent; a little |
| 218. ac_____te a motor | <i>v.</i> make something start working, more active or dynamic |
| 219. an ele_____al storm | <i>adj.</i> relating to electricity |
| 220. un_____ed routine | <i>adj.</i> not altered, modified, or varied in any way |
| 221. su___r bad grades | <i>v.</i> to experience pain, distress, or hardship; to undergo or endure something painful or unpleasant |
| 222. new design el_____ts | <i>n.</i> a fundamental or essential part of something |

ANSWERS: 211. notion, 212. transparent, 213. illustrious, 214. simulate, 215. flee, 216. dramatically, 217. slightly, 218. activate, 219. electrical, 220. unchanged, 221. suffer, 222. element

223. a t__n-lens camera *n.* either of two children born at the same time from the same mother
224. ma__h east *v.* to walk militarily with stiff, regular steps
225. brain and sp___l cord *adj.* of or relating to the spine (= the long bone in the body's back)
226. the me_____sm for DNA replication *n.* a part of a machine, or a set of parts that performs a task; a natural or established process that occurs during a specific situation or reaction
227. pu___e sweet potatoes *adj.* of a color intermediate between red and blue
228. the ad_____ve coloring *adj.* capable of adjusting to new situations or changing conditions
229. a pr_____nd book *adj.* extremely great; sensed or experienced very strongly; displaying a high level of knowledge or comprehension
230. re_____ce the military *v.* to strengthen or support something, especially by adding another material to it; to make emotion, idea, etc. stronger
231. individual ins_____on *n.* detailed direction, order, etc., on how to do or use something
232. s__n a document into PDF *v.* to examine something hastily, with the eyes or with a machine, to get information
233. fun_____al education *adj.* forming an essential base or core from which everything else develops or is affected
234. int_____ion by foreign powers *n.* the action or process of being done to improve or help a circumstance, often they have not been asked to do so

ANSWERS: 223. twin, 224. march, 225. spinal, 226. mechanism, 227. purple, 228. adaptive, 229. profound, 230. reinforce, 231. instruction, 232. scan, 233. fundamental, 234. intervention

235. pl_____as window *n.* a transparent plastic material that is often used as a substitute for glass in various applications, such as airplane windows and aquariums
236. as___e a lousy attitude to his boss *v.* to think or accept something to be true without having proof of it; to take or begin to have power; to begin to exhibit a specific quality or appearance
237. re_____or for HIV in humans *n.* an organ having nerve endings that respond to stimulation such as heat or cold and makes the body react in a particular way
238. co_____t research *v.* to organize and carry out a particular activity
239. fall under foreign dom_____on *n.* the act of having control or power over someone or something
240. re_____e one word with another *v.* to take the place of something
241. political com_____ry *n.* an expression or explanation of opinions or observations on a particular subject, event, or situation; detailed analysis or explanation provided in writing or orally
242. int_____on among human beings *n.* the act of connecting with someone, mainly when working, playing, or spending time with them
243. unsolved my_____y *n.* something difficult to understand or explain; a secret or enigmatic quality that adds to the fascination or interest of something; a genre of fiction that involves the solution of a crime or a puzzle

ANSWERS: 235. plexiglas, 236. assume, 237. receptor, 238. conduct, 239. domination, 240. replace, 241. commentary, 242. interaction, 243. mystery

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| 244. photon ref _____on | <i>n.</i> the act of thinking deeply about something, or the ability to think deeply; the image of something that is seen in a mirror or other reflective surface |
| 245. t_y store | <i>n.</i> a thing, typically a small model or replica of something that is played with, especially by children |
| 246. Je ___h history | <i>adj.</i> of or relating to people whose traditional religion is Judaism |
| 247. ev _____te almost overnight | <i>v.</i> to turn a liquid into a gas; to become less intense and disappear gradually |
| 248. sim _____sly affected | <i>adv.</i> at the same time |
| 249. pro _____on of disease | <i>n.</i> the act or process of changing to the next stage or phase or moving forward |
| 250. co _____t car | <i>n.</i> an idea or principle associated with something abstract |
| 251. re _____e a phone | <i>v.</i> to take the place of something |
| 252. tide br _____r | <i>n.</i> a person or thing that breaks, disrupts, or interrupts; a large wave that collapses or breaks forcefully onto the shore or against an obstacle |
| 253. ti ___r with the settings | <i>v.</i> to make repairs, adjustments, or improvements to something, especially in an experimental or makeshift way |
| 254. a reckless at _____t | <i>n.</i> an act or effort of trying to do something, especially something difficult |
| 255. high pu ___y | <i>n.</i> the state of being undiluted or unmixed with anything else; the state of being free from immorality, especially of a sexual nature |

ANSWERS: 244. reflection, 245. toy, 246. Jewish, 247. evaporate, 248. simultaneously, 249. progression, 250. concept, 251. replace, 252. breaker, 253. tinker, 254. attempt, 255. purity

256. household an____d *n.* a robot with a human appearance; (operating system) Google's mobile operating system
257. o__r control *n.* a distinctive or unpleasant smell; a scent or aroma that can be sensed through the sense of smell
258. An____d tablet *n.* a robot with a human appearance; (operating system) Google's mobile operating system
259. development of the ne____s system *adj.* worried and anxious about something; relating to the nerves
260. sta_____art software *adj.* characterized by the use of the latest and most advanced technology or methods; cutting-edge
261. ca____ic in his tastes *adj.* universal and including many different types of things; related to or associated with the part of the Christian Church that has the Pope as its leader
262. dec____te a statue *v.* to cut off the head of someone; to behead
263. br__d horses *v.* to keep animals for producing offspring in a regulated manner
264. 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
265. pr__e for inside information *n.* a tool used for testing or examining, especially for medical or scientific purposes, or an exploratory mission to a planet or other celestial body; (verb) to investigate, examine, or search into something

ANSWERS: 256. android, 257. odor, 258. android, 259. nervous, 260. state-of-the-art, 261. Catholic, 262. decapitate, 263. breed, 264. reaction, 265. probe

266. connecting the d_ _ts *n.* a very small circular mark, especially one that is printed
267. pl_ _ _ _ _ as partition *n.* a transparent plastic material that is often used as a substitute for glass in various applications, such as airplane windows and aquariums
268. handy gi_ _ _o *n.* a small gadget or mechanical device, particularly one that is difficult to name or describe
269. a re_ _ _ _ _ic goal *adj.* having or showing a sensible and practical idea that is possible to achieve
270. f_ _ _e their homes *v.* to leave by running away, especially out of fear or danger
271. in_ _ _ _t coin *v.* to put something inside something else
272. federal ci_ _ _ _ _t courts *n.* (in electrical engineering) an electrical device that provides a path for electrical current to flow; a journey or route around a particular place or area
273. br_ _ _d suspicion *v.* to keep animals for producing offspring in a regulated manner
274. feel a pang of l_ _ _t *n.* a strong desire or craving, usually of a sexual nature
275. antagonism of do_ _ _ _ _ne *n.* a chemical substance produced by nerve cells as a neurotransmitter; as a drug, it is used to treat shock and hypotension
276. price of cr_ _ _e oil *adj.* being in an unrefined or natural state; (noun) the unprocessed form of oil

ANSWERS: 266. dot, 267. plexiglas, 268. gizmo, 269. realistic, 270. flee, 271. insert, 272. circuit, 273. breed, 274. lust, 275. dopamine, 276. crude

277. a com_____ed process *adj.* involving a lot of different things or parts in a way that is difficult to understand or analyze
278. 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
279. wall s__d *n.* a small object with a head on one end and a sharp point on the other, used for fastening clothing, leather, or other materials; an animal used for breeding, typically a male horse or bull that is of superior breeding stock; (verb) to decorate or adorn with studs; to provide with studs for support
280. p__t book *n.* a map or a plan that shows the division and layout of land into lots or parcels; a piece of land typically used for building or agricultural purposes
281. re_____ge the furniture *v.* to change the order or position of things already made; to change the time, date, or place of an event already planned
282. expertly s__t back the ball *v.* to strike or hit someone or something with a quick, sharp blow, usually with the hand or a flat object; (noun, an acronym that stands for "Special Weapons And Tactics") specialized groups within police departments that are trained to handle high-risk operations that regular officers are not equipped to deal with

ANSWERS: 277. complicated, 278. achieve, 279. stud, 280. plat, 281. rearrange, 282. swat

283. historical s__a *n.* a long, detailed story or account of heroic deeds, family history, or notable events, often consisting of a series of connected episodes
284. an ob____le to progress *n.* a thing that blocks one's way or prevents or hinders progress
285. tr__e back to medieval times *v.* to find or discover someone or something that was lost
286. un_____ed from the previous month *adj.* not altered, modified, or varied in any way
287. an image se____r *n.* a device that receives a signal or stimulus such as heat, pressure, light, motion, etc. and responds to it in a specific manner
288. honor gr_____te *n.* a person who has a first degree from university or college; (verb) to complete the first course of university or college and get a degree
289. woody p__e fungi *n.* a tiny hole in the skin of people or other animals that sweat can pass through; (verb) to read carefully or study attentively
290. a civil en_____er *n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software
291. ref_____on question *n.* the act of thinking deeply about something, or the ability to think deeply; the image of something that is seen in a mirror or other reflective surface

ANSWERS: 283. saga, 284. obstacle, 285. trace, 286. unchanged, 287. sensor, 288. graduate, 289. pore, 290. engineer, 291. reflection

292. br_____st a concert *v.* to send out a program or some information on radio or television
293. de_____t his criticism *v.* to cause something, especially a criticism or attack, to be directed away from someone
294. he confessed dra_____lly *adv.* in a very impressive manner
295. app_____te her feedback *v.* to value and acknowledge the worth of someone or something; to be grateful for something or someone
296. nu____t of truth *n.* a small piece of gold or other precious metal or mineral found ready-formed in the earth; a small round piece of some food
297. in____t a graphic *v.* to put something inside something else
298. retie the st____g and make it strong *n.* long, thin material used for tying things together, composed of several twisted threads
299. in_____ce between gas and liquid *n.* (computer science) a program that controls a display for the user and that allows the user to interact with the system; (chemistry) a surface forming a common boundary between two things
300. gr_____se project *adj.* impressive or grand in size, appearance, or manner, especially in an exaggerated or pompous way
301. at inc_____le speed *adj.* unbelievable; enormous
302. ve_____al takeoff *adj.* upright or perpendicular to a horizontal surface or line

ANSWERS: 292. broadcast, 293. deflect, 294. dramatically, 295. appreciate, 296. nugget, 297. insert, 298. string, 299. interface, 300. grandiose, 301. incredible, 302. vertical

303. app_____te the value *v.* to value and acknowledge the worth of someone or something; to be grateful for something or someone
304. positive feedback l__p *n.* a shape like a curve or a circle made by something long and thin, such as a piece of string, that bends round and crosses itself
305. class obs_____on day *n.* the act or activity of carefully examining or monitoring something or someone
306. gr_____te degree program *n.* a person who has a first degree from university or college; (verb) to complete the first course of university or college and get a degree
307. va__e idea *adj.* not clearly expressed or understood
308. market up___e *n.* the positive aspect or potential of something; the upper side of something
309. give in to l__t *n.* a strong desire or craving, usually of a sexual nature
310. d__e structure *n.* a rounded vault forming the roof of a building or structure, typically with a circular base
311. DC mo__r control *n.* a device that converts electricity, fuel, etc. into movement and makes a machine, vehicle, etc. work
312. a test pi__t *n.* a person who flies an aircraft, especially as a job; a person qualified to guide ships through a difficult area of water
313. find his he_____ss body *adj.* having no head or lacking a head

ANSWERS: 303. appreciate, 304. loop, 305. observation, 306. graduate, 307. vague, 308. upside, 309. lust, 310. dome, 311. motor, 312. pilot, 313. headless

314. the at____t to rescue the hostages *n.* an act or effort of trying to do something, especially something difficult
315. l__t sagging skin *v.* to raise something to a higher position or level; to pick up something or somebody and move them to a different position
316. gets m_d easily *adj.* insane, especially due to a mental illness; very angry
317. wi_____ss charging *adj.* of or relating a connection or communication that does not require a physical wire or cable, often through the use of radio waves or electromagnetic signals
318. mic_____ic inquiry *adj.* tiny; exceedingly precise and detail-oriented; of or used in microscopy
319. get ne_____s *adj.* worried and anxious about something; relating to the nerves
320. a scientific di_____ry *n.* the act or process of finding information, a place, or an object, or learning about something that was previously not known
321. de___e a question *v.* to make up someone's mind about something; to come to a conclusion or judgment after considering options
322. bite his tongue li_____ly *adv.* in the real or original meaning of a word or phrase; in a literal sense or way; not figuratively
323. co_____t ship *n.* the area in an aircraft or spacecraft from which the pilot controls the aircraft or spacecraft

ANSWERS: 314. attempt, 315. lift, 316. mad, 317. wireless, 318. microscopic, 319. nervous, 320. discovery, 321. decide, 322. literally, 323. cockpit

324. ma__h against the war *v.* to walk militarily with stiff, regular steps
325. ob____s reasons *adj.* easy to see, discover or understand
326. mi____nt theorem *n.* the exact middle point or position between two things or places; a point that is equidistant from two other points
327. cr__e manners *adj.* being in an unrefined or natural state; (noun) the unprocessed form of oil
328. the crosswise di____on *n.* a measurable extent of a particular kind, such as width, height, or length
329. su____e a blizzard *v.* to live or exist despite a dangerous event or period
330. ne__l networks in AI *adj.* of or relating to a nerve or the nervous system that includes the brain
331. a life of sim____ty *n.* the quality or condition of being natural and plain or easy to understand or do
332. ele____cs industry *n.* the branch of physics and technology that deals with the behavior and control of electrons and the use of electronic devices and systems
333. co____t a background check *v.* to organize and carry out a particular activity
334. neu____ogy research *n.* a field of biology that studies the structure, function, and development of the nervous system, including the brain, spinal cord, and peripheral nerves encompassing a wide range of research topics, including the molecular and cellular processes involved in neural signaling, the organization of neural circuits, and the neural basis of behavior, cognition, and emotion

ANSWERS: 324. march, 325. obvious, 326. midpoint, 327. crude, 328. dimension, 329. survive, 330. neural, 331. simplicity, 332. electronics, 333. conduct, 334. neurobiology

335. in_____re with DNA synthesis *v.* to get involved in and prevent a process or activity from continuing
336. inc_____te the current trends *v.* to include something as a part of a larger entity
337. a GPS re_____er *n.* the part of a phone that you hold close to your ear and mouth; a person who receives something
338. st__k a key in a lock *v.* to put something, usually a sharp object, into something; to restrict yourself to doing or using one certain thing and not change; (noun) a thin piece of wood or other material
339. mo____g ceremony *adj.* causing strong emotions or feelings, especially sadness or sympathy
340. knee re____x *n.* an automatic and unthinking response to a particular stimulus; a physical reaction to external stimuli
341. op_____l fiber *adj.* of or relating to or light or the ability to see; (noun) the science of light and vision, and to instruments and techniques used in the study and application of light
342. com_____te well with my advisor *v.* to share or exchange information with others by speaking, writing, moving your body, or using other signals
343. cellular neu_____ogy *n.* a field of biology that studies the structure, function, and development of the nervous system, including the brain, spinal cord, and peripheral nerves encompassing a wide range of research topics, including the molecular and cellular processes involved in neural signaling, the organization of neural circuits, and the neural basis of behavior, cognition, and emotion

ANSWERS: 335. interfere, 336. incorporate, 337. receiver, 338. stick, 339. moving, 340. reflex, 341. optical, 342. communicate, 343. neurobiology

344. translate li_____ly *adv.* in the real or original meaning of a word or phrase; in a literal sense or way; not figuratively
345. an indisputable lo__c *n.* a way of thinking or reasoning conducted or evaluated by strict validity principles; the study of correct reasoning or good arguments
346. the evidence of the pr_____ce *n.* the fact or state that someone or something exists, occurs, or is present
347. ex_____e in anger *v.* to burst or break open violently and noisily; to cause something to burst or break open
348. small ch___h *n.* a building or institution dedicated to religious worship or activities; a Christian religious organization or denomination
349. bombs fell at ra___m *adj.* made, done, or happening without method, conscious decision, or any regular pattern
350. muscular st_____th *n.* the quality or state of being physically, or sometimes mentally, strong
351. an exh_____ing drink *adj.* making one feel very happy and lively; invigorating; providing a feeling of excitement or thrill
352. exp_____nt design *n.* the scientific test conducted to observe what happens and gain new knowledge
353. national e_o *n.* a consciousness of your own identity; a person's sense of self-esteem or self-importance, especially inflated one

ANSWERS: 344. literally, 345. logic, 346. presence, 347. explode, 348. church, 349. random, 350. strength, 351. exhilarating, 352. experiment, 353. ego

354. 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
355. become increasingly com_____ed *adj.* involving a lot of different things or parts in a way that is difficult to understand or analyze
356. his majestic pr____ce *n.* the fact or state that someone or something exists, occurs, or is present
357. afraid to show em____n *n.* a strong feeling such as love, anger, etc. deriving from one's situation, mood, or relationships with others
358. inc_____le amount *adj.* unbelievable; enormous
359. ind_____al freedom *n.* a single person or thing, as distinct from a group
360. deep pu___e *adj.* of a color intermediate between red and blue
361. get into a m__s *n.* a state of confusion, dirtiness, or untidiness; (verb) to fail to do something or to make something dirty or untidy
362. gr__m a horse *v.* to clean, brush, and care for the fur or feathers of an animal; to prepare oneself or someone else for a special event or occasion; to make something neat; (noun, also "bridegroom") a man who is about to be married or has recently been married
363. as___e an important role *v.* to think or accept something to be true without having proof of it; to take or begin to have power; to begin to exhibit a specific quality or appearance

ANSWERS: 354. achieve, 355. complicated, 356. presence, 357. emotion, 358. incredible, 359. individual, 360. purple, 361. mess, 362. groom, 363. assume

364. a fl__h of lightning *n.* a sudden intense burst of radiant energy; a momentary brightness
365. de____t a blow *v.* to cause something, especially a criticism or attack, to be directed away from someone
366. la____y mitigate the issue *adv.* virtually entirely; to a large degree
367. an____e a chemical compound *v.* to think about in-depth and evaluate to discover essential features or meaning
368. en___e data *v.* to convert information into a code or format suitable for storage or transmission
369. a selfish de____on *n.* the act or process of making up someone's mind about something; a choice or judgment reached after considering options
370. evil dop_____ger *n.* a person who closely resembles or is a double of another person, often used to describe an uncanny similarity in appearance between two individuals
371. ill_____us figure *adj.* famous, respected, and honored
372. snow d__e *n.* a rounded vault forming the roof of a building or structure, typically with a circular base
373. fun_____al rights *adj.* forming an essential base or core from which everything else develops or is affected
374. manually op____e a machine *v.* to work in a particular way; to supervise something

ANSWERS: 364. flash, 365. deflect, 366. largely, 367. analyze, 368. encode, 369. decision, 370. doppelganger, 371. illustrious, 372. dome, 373. fundamental, 374. operate

375. fo___l request *adj.* following established, public, or official forms and conventions, often in a serious or somber manner
376. nonmetallic el_____ts *n.* a fundamental or essential part of something
377. z_p bar code *v.* to strike, destroy, get rid of, or kill something or someone suddenly and with force
378. vi_____e stars *adj.* capable of being seen; or open to easy view
379. an ab_____ct noun *adj.* based on general ideas, feelings, or qualities and not on any a physical or concrete existence
380. a co_____nt temperature *adj.* happening repeatedly or all the time
381. op_____e 24 hours a day *v.* to work in a particular way; to supervise something
382. ci_____t breaker *n.* (in electrical engineering) an electrical device that provides a path for electrical current to flow; a journey or route around a particular place or area
383. mi_____e herniation *n.* an imaginary line that divides something, such as a shape, object, or body, into two equal or symmetrical halves
384. the branch of neu_____nce *n.* the scientific study of the function, structure, and disorder of the brain and the nervous system
385. br_____nt performance *adj.* extremely clever, skilled, or impressive

ANSWERS: 375. formal, 376. element, 377. zap, 378. visible, 379. abstract, 380. constant, 381. operate, 382. circuit, 383. midline, 384. neuroscience, 385. brilliant

386. p__e over reference books *n.* a tiny hole in the skin of people or other animals that sweat can pass through; (verb) to read carefully or study attentively
387. res_____ve customer service *adj.* quick to respond or react to something
388. the dr_____ck of his method *n.* a disadvantage or inconvenience that makes something less attractive
389. sn__f the air *v.* to inhale audibly through the nose, often to detect or identify a smell; to draw in air through the nostrils with a quick, audible intake of breath
390. brilliant fl__h *n.* a sudden intense burst of radiant energy; a momentary brightness
391. g__e cloning *n.* the fundamental unit of heredity and the sequence of nucleotides in DNA that codes for the creation of RNA or protein.
392. the runner's p__e *n.* the speed at which someone or something moves, or the rate at which something happens or changes
393. the degree of pu____y *n.* the state of being undiluted or unmixed with anything else; the state of being free from immorality, especially of a sexual nature
394. speak with pr_____on *n.* the quality or condition of being exact and accurate
395. electrical c__d *n.* a strong, thick, or thin thread or rope; a piece of plastic-coated wire used to transport electricity to a piece of equipment

ANSWERS: 386. pore, 387. responsive, 388. drawback, 389. sniff, 390. flash, 391. gene, 392. pace, 393. purity, 394. precision, 395. cord

396. gr__m duties *v.* to clean, brush, and care for the fur or feathers of an animal; to prepare oneself or someone else for a special event or occasion; to make something neat; (noun, also "bridegroom") a man who is about to be married or has recently been married
397. lu___r anesthesia *adj.* of or relating to the lower part of the spine, between the ribcage and the pelvis
398. res_____le action *adj.* answerable or accountable for something within one's power, control, or management
399. mo_____le behavior *n.* a group of two or more atoms held together by attractive forces known as chemical bonds
400. mo___g experience *adj.* causing strong emotions or feelings, especially sadness or sympathy
401. in_____ve species *adj.* spreading very quickly, and often aggressively, and difficult to stop
402. celebrity dop_____ger *n.* a person who closely resembles or is a double of another person, often used to describe an uncanny similarity in appearance between two individuals
403. br_____nt idea *adj.* extremely clever, skilled, or impressive
404. ac_____te a receptor *v.* make something start working, more active or dynamic
405. the pr_____nd depths of the sea *adj.* extremely great; sensed or experienced very strongly; displaying a high level of knowledge or comprehension

ANSWERS: 396. groom, 397. lumbar, 398. responsible, 399. molecule, 400. moving, 401. invasive, 402. doppelganger, 403. brilliant, 404. activate, 405. profound

406. di_____e bleeding *adj.* spread out widely; not concentrated in one place
407. int_____nt assisting system *adj.* having the capacity for thought and reason, especially to a high degree
408. a former p__t of farmland *n.* a map or a plan that shows the division and layout of land into lots or parcels; a piece of land typically used for building or agricultural purposes
409. a pr_____on instrument *n.* the quality or condition of being exact and accurate
410. 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
411. br____l bully *adj.* harsh or cruel
412. art_____al environment *adj.* not natural and made by human beings; not real but produced to resemble something
413. high st__k *n.* a pile of something arranged or laid one on top of another; a large tall chimney through which combustion gases and smoke can be evacuated
414. in_____te a discussion *v.* to begin or start something; to teach the basics or fundamentals of something to somebody; to formally admit someone into a group or organization
415. profound religious im_____es *n.* a sudden strong and unreflective wish or need to do something; the electrical discharge that travels along a nerve fiber

ANSWERS: 406. diffuse, 407. intelligent, 408. plat, 409. precision, 410. neuron, 411. brutal, 412. artificial, 413. stack, 414. initiate, 415. impulse

416. foreign po___y *n.* a set of rules, guidelines, principles, or procedures that govern decision-making or action, often used in the context of business or government; a course of action or plan of action adopted or followed by an organization or individual to achieve a goal or objective
417. evolutionary bi____y *n.* the scientific study of life and the natural processes of living things
418. a ra___m choice *adj.* made, done, or happening without method, conscious decision, or any regular pattern
419. im_____nt a corporate strategy *v.* to put a decision, plan, or system into effect
420. cellular re____or *n.* an organ having nerve endings that respond to stimulation such as heat or cold and makes the body react in a particular way
421. a private ind_____al *n.* a single person or thing, as distinct from a group
422. have ge____c testing *adj.* of or relating to genes (= parts of the DNA in cells) or the science of genes
423. 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
424. in_____ve breast cancer *adj.* spreading very quickly, and often aggressively, and difficult to stop
425. un_____l a plot *v.* undo twisted, knitted, or woven threads by separating it

ANSWERS: 416. policy, 417. biology, 418. random, 419. implement, 420. receptor, 421. individual, 422. genetic, 423. decode, 424. invasive, 425. unravel

426. re_____ce good behavior *v.* to strengthen or support something, especially by adding another material to it; to make emotion, idea, etc. stronger
427. a theoretical concept in
neu_____nce *n.* the scientific study of the function, structure, and disorder of the brain and the nervous system
428. tw___h of an eye *v.* to make a sudden and quick movement with a part of the body; (noun) a sudden, small, jerky movement of a muscle or part of the body
429. im_____nt security measures *v.* to put a decision, plan, or system into effect
430. in_____re in another country's
affairs *v.* to get involved in and prevent a process or activity from continuing
431. equ_____nt in meaning *n.* having the same value, quality, meaning, purpose, etc.
432. l_b instrument *n.* a workplace for the conduct of scientific research; a laboratory
433. de___t a bad event *v.* to find or recognize something, especially something difficult to see, hear, etc.
434. ab_____ct science *adj.* based on general ideas, feelings, or qualities and not on any a physical or concrete existence
435. a m_d person *adj.* insane, especially due to a mental illness; very angry
436. es_____al commodities of life *adj.* indispensable; fundamental
437. defense me_____sm *n.* a part of a machine, or a set of parts that performs a task; a natural or established process that occurs during a specific situation or reaction

ANSWERS: 426. reinforce, 427. neuroscience, 428. twitch, 429. implement, 430. interfere, 431. equivalent, 432. lab, 433. detect, 434. abstract, 435. mad, 436. essential, 437. mechanism

438. ro____y explain my idea *adv.* approximately but not precisely; with a violent manner
439. a st____n of bacillus *n.* a force or pressure that stretches or pulls something, sometimes causing damage; (biology) a group of organisms within a species that differ in trivial ways from similar groups
440. make a va__e answer *adj.* not clearly expressed or understood
441. a co____nt wind *adj.* happening repeatedly or all the time
442. st____ht for two months *adj.* extending or moving in one direction without bending or curving; having no deviations
443. 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
444. exit from a l__p *n.* a shape like a curve or a circle made by something long and thin, such as a piece of string, that bends round and crosses itself
445. out of va____y *n.* excessive pride in or admiration of one's appearance or achievements
446. neu_____ters released from the brain *n.* a chemical that carries nerve impulses between neurons or between neurons and muscles

ANSWERS: 438. roughly, 439. strain, 440. vague, 441. constant, 442. straight, 443. function, 444. loop, 445. vanity, 446. neurotransmitter

447. control my em____n *n.* a strong feeling such as love, anger, etc. deriving from one's situation, mood, or relationships with others
448. animal an____y *n.* the scientific study that deals with the physical structure of humans, animals, or plants
449. medical l_b *n.* a workplace for the conduct of scientific research; a laboratory
450. new di____on *n.* a measurable extent of a particular kind, such as width, height, or length
451. fr____te the advancement *v.* to hinder or prevent efforts, plans, or desires from doing, succeeding, or being fulfilled; to make someone feel upset or annoyed because they are unable to change or achieve something
452. health po____y *n.* a set of rules, guidelines, principles, or procedures that govern decision-making or action, often used in the context of business or government; a course of action or plan of action adopted or followed by an organization or individual to achieve a goal or objective
453. ex____e in popularity *v.* to burst or break open violently and noisily; to cause something to burst or break open
454. ma____p artist *n.* colored substances used on someone's face to improve or change their appearance
455. es____al amino acid *adj.* indispensable; fundamental

ANSWERS: 447. emotion, 448. anatomy, 449. lab, 450. dimension, 451. frustrate, 452. policy, 453. explode, 454. makeup, 455. essential

456. od____s gases *adj.* having a strong or distinct smell; emitting a noticeable or pungent odor
457. mic_____ic analysis *adj.* tiny; exceedingly precise and detail-oriented; of or used in microscopy
458. mu_____om cultivation *n.* a type of fungus that grows on dead or decaying organic matter and typically has a stalk and an umbrella-shaped cap
459. take ex_____ve care *adj.* greater than what seems necessary, normal, or desirable
460. take several inputs sim_____sly *adv.* at the same time
461. a st_____ht line *adj.* extending or moving in one direction without bending or curving; having no deviations
462. z__m in on a photo *v.* to move along very quickly; (noun) the act of rising upward into the air
463. pro_____on of civilization *n.* the act or process of changing to the next stage or phase or moving forward
464. an int_____nce test *n.* the ability to learn, comprehend, or make judgments or conclusions based on reasons
465. id_____fy gene sequences *v.* to recognize someone or something and say or prove who or what they are
466. national se_____ty *n.* the state of being free from danger, risk, or harm; measures taken to protect against threats or attacks; a financial asset, such as a stock or bond that derives value exclusively from the ownership interest or claim to a particular underlying asset or obligation

ANSWERS: 456. odorous, 457. microscopic, 458. mushroom, 459. excessive, 460. simultaneously, 461. straight, 462. zoom, 463. progression, 464. intelligence, 465. identify, 466. security

467. pa__e for a reaction *v.* to take a short break from talking or doing something before continuing
468. ch__t in the chapel *n.* a simple melody or tune, typically one that is repeated or sung in a monotonous way; (verb) recite with musical intonation
469. policy dec_____ker *n.* a person who makes important decisions, especially at a high level in an organization
470. my_____y novel *n.* something difficult to understand or explain; a secret or enigmatic quality that adds to the fascination or interest of something; a genre of fiction that involves the solution of a crime or a puzzle
471. ev_____te the water *v.* to turn a liquid into a gas; to become less intense and disappear gradually
472. low-r_v engine *n.* a measure of the rate at which an engine or motor rotates, often expressed in revolutions per minute (RPM); (verb) to increase the number of rotations per minute
473. nuclear me_____ne *n.* a soft, thin layer that forms animal or vegetable tissue
474. the mo__f of a music piece *n.* a recurring element in an artistic or literary work, typically a particular image or idea; a theme that is repeated or elaborated in a piece of music
475. un_____l a knit *v.* undo twisted, knitted, or woven threads by separating it

ANSWERS: 467. pause, 468. chant, 469. decision-maker, 470. mystery, 471. evaporate, 472. rev, 473. membrane, 474. motif, 475. unravel

476. bl___h cloth *adj.* having a color that is a shade of blue
477. equ_____nt amounts *n.* having the same value, quality, meaning, purpose, etc.
478. re___x test *n.* an automatic and unthinking response to a particular stimulus; a physical reaction to external stimuli
479. high-tech gi__o *n.* a small gadget or mechanical device, particularly one that is difficult to name or describe
480. st_____th of the economy *n.* the quality or state of being physically, or sometimes mentally, strong
481. di_____t ancestors *adj.* far away in space, time, or where you are; far apart in relevance, relationship, or kinship
482. a lunar pr__e *n.* a tool used for testing or examining, especially for medical or scientific purposes, or an exploratory mission to a planet or other celestial body; (verb) to investigate, examine, or search into something
483. an endless st___m of cars *n.* a small, narrow river; a continuous flow of something, such as liquid, gas, people, vehicles, etc.

ANSWERS: 476. bluish, 477. equivalent, 478. reflex, 479. gizmo, 480. strength, 481. distant, 482. probe, 483. stream

Session 3: Fill in the Blanks

1. My mother's illness had a _____ impact on us all.
adj. extremely great; sensed or experienced very strongly; displaying a high level of knowledge or comprehension
2. The _____ between New York City and Los Angeles is located in Kansas.
n. the exact middle point or position between two things or places; a point that is equidistant from two other points
3. In this class, we learn the basic _____ of the plane.
n. a motion or combination of moves that requires skill and care; a clever strategy, activity, or movement intended to give someone an advantage
4. She had a master's degree in _____.
n. the scientific study of mind and behavior
5. He discovered unique _____ for photochemical reactions.
n. a part of a machine, or a set of parts that performs a task; a natural or established process that occurs during a specific situation or reaction
6. Dolphins use sound to _____ with each other.
v. to share or exchange information with others by speaking, writing, moving your body, or using other signals
7. The drug controls the level of _____ in the brain.
n. a chemical substance produced by nerve cells as a neurotransmitter; as a drug, it is used to treat shock and hypotension

ANSWERS: 1. profound, 2. midpoint, 3. maneuver, 4. psychology, 5. mechanisms, 6. communicate, 7. dopamine

8. Health and _____ are, above all, gold.
n. the quality or state of being physically, or sometimes mentally, strong
9. Most of the programs are _____ in this area.
v. to send out a program or some information on radio or television
10. These economic activities had disastrous environmental _____.
n. the outcome of a particular action or event, especially relative to an individual
11. His _____ for money and power drove him to make unethical decisions.
n. a strong desire or craving, usually of a sexual nature
12. I need to _____ my dog before his fur gets too long.
v. to clean, brush, and care for the fur or feathers of an animal; to prepare oneself or someone else for a special event or occasion; to make something neat; (noun, also "bridegroom") a man who is about to be married or has recently been married
13. The company was able to _____ with the changes in the market by introducing new products.
v. to deal with and overcome difficulties or problems
14. She couldn't stop _____ her husband to take out the trash.
v. to annoy or irritate someone persistently with repeated complaints, requests, or criticism; (noun) an old or over-worked horse
15. That story was so _____ and it was scary.
adj. having or showing a sensible and practical idea that is possible to achieve

ANSWERS: 8. strength, 9. broadcast, 10. consequences, 11. lust, 12. groom, 13. cope, 14. nagging, 15. realistic,

16. The more _____ you are, the more people around you look at you with envy and jealousy.

adj. extremely clever, skilled, or impressive

17. Her research team made an important _____.

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

18. He was ___ with joy to see the results.

adj. insane, especially due to a mental illness; very angry

19. The _____ learning system adjusts the difficulty level of the lessons based on the student's performance.

adj. capable of adjusting to new situations or changing conditions

20. The _____ shield protected the workers from flying debris.

n. a transparent plastic material that is often used as a substitute for glass in various applications, such as airplane windows and aquariums

21. 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

22. Jet _____ are the common name for air currents that form high in the atmosphere.

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

23. The _____ rumor turned out to be false.

adj. not clearly expressed or understood

ANSWERS: 16. brilliant, 17. discovery, 18. mad, 19. adaptive, 20. plexiglass, 21. environment, 22. streams, 23. vague

24. The shape of the DNA _____ is a double helix.

n. a group of two or more atoms held together by attractive forces known as chemical bonds

25. He admitted all wrongdoing without using any _____ words in his press conference.

adj. not willing to give clear or direct answers to a question or commit to a request; avoiding or escaping from difficulty or danger

26. They needed further _____ to perform their duties efficiently.

n. detailed direction, order, etc., on how to do or use something

27. They provided allies with powerful weapons that could ____ the enemy from thousands of miles away.

v. to strike, destroy, get rid of, or kill something or someone suddenly and with force

28. Let's _____ the origins of some familiar foreign words.

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

29. Five miles is _____ similar to eight kilometers.

adv. approximately but not precisely; with a violent manner

30. The incident _____ a political controversy.

v. to make something happen suddenly; to cause something such as a device, machine, etc. to function

31. He had painted the wood to _____ stone.

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

ANSWERS: 24. molecule, 25. evasive, 26. instruction, 27. zap, 28. trace, 29. roughly, 30. triggered, 31. simulate

32. Actuators convert _____ pulses into motion.

adj. relating to electricity

33. _____ sometimes cause allergic reactions in humans.

n. a flat, brown or black, chiefly nocturnal insects sometimes found in the home

34. The wallpaper had a pattern of pink _____ on a white surface.

n. a very small circular mark, especially one that is printed

35. The teacher asked the students to write a _____ on the book they had just read.

n. the act of thinking deeply about something, or the ability to think deeply; the image of something that is seen in a mirror or other reflective surface

36. The cardiac monitor displays the intensity of your _____.

n. the regular heartbeat as it sends blood around the body, especially when it is felt at the wrist or side of the neck; a solid regular vibration of sound, electric current, light, or other waves

37. 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

38. He moved his body _____ to the left.

adv. in a small degree or extent; a little

39. The _____ to the safe was a secret.

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

ANSWERS: 32. electrical, 33. Cockroaches, 34. dots, 35. reflection, 36. pulse, 37. decode, 38. slightly, 39. combination

40. This automatic door could no longer be opened due to a _____ failure.
n. a device that receives a signal or stimulus such as heat, pressure, light, motion, etc. and responds to it in a specific manner
41. In junior high school, we had to dissect a frog in _____ class.
n. the scientific study of life and the natural processes of living things
42. 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
43. 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
44. It's intriguing to compare and _____ the two authors.
v. to put in opposition to show or emphasize differences
45. 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
46. Two students answered the teacher's question _____.
adv. at the same time
47. The terrorist's _____ remains unknown.
n. the fact of being who or what somebody or something is; the features, emotions, or ideas that distinguish persons from one another

ANSWERS: 40. sensor, 41. biology, 42. transparent, 43. suffers, 44. contrast, 45. claim, 46. simultaneously, 47. identity

48. The _____ course was challenging but fun.

n. a thing that blocks one's way or prevents or hinders progress

49. The troops _____ shoulder-to-shoulder.

v. to walk militarily with stiff, regular steps

50. In terms of _____ he was head and shoulders above his classmates.

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

51. He gave his daughter a new ____ for her birthday.

n. a thing, typically a small model or replica of something that is played with, especially by children

52. There was a disturbance of _____ function.

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

53. The software can _____ and decode encrypted messages.

v. to convert information into a code or format suitable for storage or transmission

54. The recent advances in _____ research have paved the way for a deeper understanding of neuronal functions.

n. a branch of biotechnology that involves the use of light to control the activity of genetically modified cells or neurons in living tissue, often used in neuroscience research

55. The professor explained the _____ of the nervous system.

n. the scientific study that deals with the physical structure of humans, animals, or plants

ANSWERS: 48. obstacle, 49. marched, 50. intelligence, 51. toy, 52. neural, 53. encode, 54. optogenetics, 55. anatomy

56. The building's _____ system includes cameras, alarms, and security guards.
n. the state of being free from danger, risk, or harm; measures taken to protect against threats or attacks; a financial asset, such as a stock or bond that derives value exclusively from the ownership interest or claim to a particular underlying asset or obligation
57. 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
58. These heavy rains caused _____ floods on several islands.
n. a sudden intense burst of radiant energy; a momentary brightness
59. My friend is a _____ woman who celebrates Hanukkah every year.
adj. of or relating to people whose traditional religion is Judaism
60. Nerve _____ cross a synapse through the action of neurotransmitters.
n. a sudden strong and unreflective wish or need to do something; the electrical discharge that travels along a nerve fiber
61. The _____ smell coming from the garbage bin was unbearable.
adj. having a strong or distinct smell; emitting a noticeable or pungent odor
62. The coach gave a _____ talk to the team before the game to boost their spirits.
n. energy, enthusiasm, or liveliness; (verb) to give someone energy, enthusiasm, or liveliness
63. You can find all kinds of interesting _____ in this store.
n. a small gadget or mechanical device, particularly one that is difficult to name or describe

ANSWERS: 56. security, 57. identify, 58. flash, 59. Jewish, 60. impulses, 61. odorous, 62. pep, 63. gizmos

64. She was struggling to make a _____ between two job offers.

n. the act or process of making up someone's mind about something; a choice or judgment reached after considering options

65. His _____ jokes made her angry.

adj. being in an unrefined or natural state; (noun) the unprocessed form of oil

66. The _____ region of the spine is susceptible to pain and injury.

adj. of or relating to the lower part of the spine, between the ribcage and the pelvis

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

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

68. In the hospital, she will remain under constant _____.

n. the act or activity of carefully examining or monitoring something or someone

69. Her response revealed _____ idiocy.

adj. unbelievable; enormous

70. He was sick for five _____ days.

adj. extending or moving in one direction without bending or curving; having no deviations

71. The security camera has _____ four intruders.

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

72. The invention of the camera triggered the development of _____ painting.

adj. based on general ideas, feelings, or qualities and not on any a physical or concrete existence

ANSWERS: 64. decision, 65. crude, 66. lumbar, 67. incorporate, 68. observation, 69. incredible, 70. straight, 71. detected, 72. abstract

73. He _____ hypotheses that no mathematician has ever imagined before.
v. to build or create something; to assemble or combine different parts to form something whole
74. The company's policy remained _____ despite the criticism.
adj. not altered, modified, or varied in any way
75. There are _____ differences between the two wine-producing regions.
adj. easy to see, discover or understand
76. He is a man admired for the depth of his _____.
n. a belief, opinion, or image you have based on how you regard, understand, or interpret something; the ability to see, hear, or notice something through the senses
77. The pilot sat in the _____ of the airplane.
n. the area in an aircraft or spacecraft from which the pilot controls the aircraft or spacecraft
78. She was constantly trying to boost her ____ by talking about her accomplishments.
n. a consciousness of your own identity; a person's sense of self-esteem or self-importance, especially inflated one
79. NASA sent a _____ to study the atmosphere of Jupiter.
n. a tool used for testing or examining, especially for medical or scientific purposes, or an exploratory mission to a planet or other celestial body; (verb) to investigate, examine, or search into something
80. The _____ of the ancient civilization can still be seen in the city's ruins.
n. the leftover parts or pieces of something that have been destroyed, removed, or consumed; the physical or biological remains of a deceased person, plant, animal

ANSWERS: 73. constructs, 74. unchanged, 75. obvious, 76. perception, 77. cockpit, 78. ego, 79. probe, 80. remains

81. The man _____ before opening the door.

v. to take a short break from talking or doing something before continuing

82. Sociologists are now interested in _____ world peace.

adj. universal and including many different types of things; related to or associated with the part of the Christian Church that has the Pope as its leader

83. It took a few weeks to extract the _____ of information from those complicated sources.

n. a small piece of gold or other precious metal or mineral found ready-formed in the earth; a small round piece of some food

84. The plant has a stunning _____ blossom.

adj. of a color intermediate between red and blue

85. He suffers from _____ breakdowns.

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

86. The sports _____ provided insightful analysis and observations throughout the game.

n. an expression or explanation of opinions or observations on a particular subject, event, or situation; detailed analysis or explanation provided in writing or orally

87. The _____ surrounding the disappearance of the traveler has yet to be solved by authorities.

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

ANSWERS: 81. paused, 82. catholic, 83. nugget, 84. purple, 85. nervous, 86. commentary, 87. mystery

88. He spent the afternoon _____ with his car engine.

- v.* to make repairs, adjustments, or improvements to something, especially in an experimental or makeshift way

89. The surgeon carefully confirmed how to remove the tumor to avoid damaging the _____ nerves.

- adj.* of or relating to the spine (= the long bone in the body's back)

90. This machine is too difficult to _____ for me.

- v.* to work in a particular way; to supervise something

91. The sun set over the crest of _____ hills.

- adj.* far away in space, time, or where you are; far apart in relevance, relationship, or kinship

92. The committee will _____ an investigation into the company's financial records.

- v.* to begin or start something; to teach the basics or fundamentals of something to somebody; to formally admit someone into a group or organization

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

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

94. Understanding protein folding is a vital step in deciphering the _____ code.

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

95. Human behavior has _____ characteristics.

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

ANSWERS: 88. tinkering, 89. spinal, 90. operate, 91. distant, 92. initiate, 93. skull, 94. genetic, 95. fundamental

96. The _____ will repair my telephone tomorrow morning.
n. a person whose job is designing, building, or maintaining something such as machines, structures, or software
97. The European Central Bank is Europe's _____ of the Federal Reserve.
n. having the same value, quality, meaning, purpose, etc.
98. The actress's _____ was hired to perform the more dangerous stunts in the film.
n. a person who closely resembles or is a double of another person, often used to describe an uncanny similarity in appearance between two individuals
99. It is important to _____ safety procedures in the workplace to prevent accidents.
v. to watch or notice something carefully, often to gather information or insights; to take note of something or someone; to celebrate or commemorate a special event or occasion
100. Loud noises might harm the fragile ear _____.
n. a soft, thin layer that forms animal or vegetable tissue
101. 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
102. Trial and error is an _____ part of education.
adj. indispensable; fundamental
103. The third _____ was far more successful.
n. an act or effort of trying to do something, especially something difficult

ANSWERS: 96. engineer, 97. equivalent, 98. doppelganger, 99. observe, 100. membrane, 101. achieve, 102. essential, 103. attempt

104. The _____ attack left the victim with serious injuries.

adj. harsh or cruel

105. 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

106. The _____ exercised great care in landing.

n. a person who flies an aircraft, especially as a job; a person qualified to guide ships through a difficult area of water

107. The drought _____ the prices of grain globally.

v. to raise something to a higher position or level; to pick up something or somebody and move them to a different position

108. She couldn't _____ whether to order the pizza or the pasta for dinner.

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

109. One such rapidly growing _____ is quantum cryptography.

n. an idea or principle associated with something abstract

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

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

111. During the flight, the wings of the plane _____.

v. to move or cause anything to move fast and in small increments from side to side

ANSWERS: 104. brutal, 105. neuron, 106. pilot, 107. lifted, 108. decide, 109. concept, 110. interaction, 111. vibrate

112. I had to _____ away a fly that was buzzing around my head.

- v.* to strike or hit someone or something with a quick, sharp blow, usually with the hand or a flat object; (noun, an acronym that stands for "Special Weapons And Tactics") specialized groups within police departments that are trained to handle high-risk operations that regular officers are not equipped to deal with

113. Many people see the _____ of traveling as an opportunity to experience new cultures and broaden their horizons.

- n.* the positive aspect or potential of something; the upper side of something

114. An intelligent battery has a voltage monitoring _____.

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

115. The _____ risotto was delicious, but I couldn't identify all the mushrooms in it.

- n.* a type of fungus that grows on dead or decaying organic matter and typically has a stalk and an umbrella-shaped cap

116. Dictators of the past often had the erroneous idea of a pure racial _____.

- n.* a force or pressure that stretches or pulls something, sometimes causing damage; (biology) a group of organisms within a species that differ in trivial ways from similar groups

117. These birds can only _____ in temperate climates.

- v.* to live or exist despite a dangerous event or period

118. As an _____ he had the right to make his own decisions and live his life as he saw fit.

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

ANSWERS: 112. swat, 113. upside, 114. circuit, 115. mushroom, 116. strain, 117. survive, 118. individual,

119. He _____ back in time to the soccer game.

v. to move along very quickly; (noun) the act of rising upward into the air

120. He spent his afternoon watching _____ movies on TV.

n. a simple drawing depicting a humorous or critical situation, often accompanied by a caption

121. Nevada is _____ a desert state.

adv. virtually entirely; to a large degree

122. Police will _____ random breath testing for drunk driving.

v. to organize and carry out a particular activity

123. A defective _____ is responsible for the disease.

n. the fundamental unit of heredity and the sequence of nucleotides in DNA that codes for the creation of RNA or protein.

124. She wore a _____ of pearls around her neck.

n. long, thin material used for tying things together, composed of several twisted threads

125. Please _____ these files as we start a new project tomorrow.

v. to change the order or position of things already made; to change the time, date, or place of an event already planned

126. The _____ mansion was a testament to the family's wealth and status.

adj. impressive or grand in size, appearance, or manner, especially in an exaggerated or pompous way

ANSWERS: 119. zoomed, 120. cartoon, 121. largely, 122. conduct, 123. gene, 124. string, 125. rearrange, 126. grandiose

127. To find drunk drivers, police conduct _____ tests.

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

128. The dark clouds in the sky gave off a _____ feeling.

adj. giving the impression that something bad or evil is happening or will happen

129. The flowers had a _____ tint, indicating they needed to be riper.

adj. having a color that is a shade of blue

130. The lab is developing an _____ robot that assists in dangerous construction work.

n. a robot with a human appearance; (operating system) Google's mobile operating system

131. The cathedral _____ soared high above, its stained-glass windows casting colorful light on the altar below.

n. a rounded vault forming the roof of a building or structure, typically with a circular base

132. The _____ of the Roman Empire over the Mediterranean region lasted for centuries.

n. the act of having control or power over someone or something

133. He bought a new _____ to attach the strap to his watch.

n. a small object with a head on one end and a sharp point on the other, used for fastening clothing, leather, or other materials; an animal used for breeding, typically a male horse or bull that is of superior breeding stock; (verb) to decorate or adorn with studs; to provide with studs for support

ANSWERS: 127. random, 128. sinister, 129. bluish, 130. android, 131. dome, 132. domination, 133. stud

134. It's important to understand the _____ of a situation before making a decision.
- n.* the circumstances, facts, or conditions that surround a particular event, situation, or statement and that give it meaning
135. This operation requires both patience and _____.
- n.* the quality or condition of being exact and accurate
136. 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
137. The Prime Minister will pay a courtesy visit to the Nobel laureate's _____.
- n.* a workplace for the conduct of scientific research; a laboratory
138. Detectives are still attempting to _____ the mystery of his death.
- v.* undo twisted, knitted, or woven threads by separating it
139. My leg kicked involuntarily when the doctor tapped my knee with the _____ hammer.
- n.* an automatic and unthinking response to a particular stimulus; a physical reaction to external stimuli
140. Delivery companies often require the _____ signature to certify the completion of package delivery.
- n.* the part of a phone that you hold close to your ear and mouth; a person who receives something
141. Difficulties _____ the mind, as labor does the body.
- v.* to become stronger or more effective; to make someone or something stronger or more effective

ANSWERS: 134. context, 135. precision, 136. reaction, 137. lab, 138. unravel, 139. reflex, 140. receiver's, 141. strengthen

142. Our university is famous for its professors, who are well-versed in behavioral _____.
- n.* the scientific study of the function, structure, and disorder of the brain and the nervous system
143. He used a circuit _____ to restore power to the entire building.
- n.* a person or thing that breaks, disrupts, or interrupts; a large wave that collapses or breaks forcefully onto the shore or against an obstacle
144. The electrical cord _____ combusted.
- adv.* in a way that is natural, not planned or forced, and often sudden
145. It would be best if you did not demand such an _____ charge.
- adj.* greater than what seems necessary, normal, or desirable
146. You must _____ the software with a 16-digit key before you can use it.
- v.* make something start working, more active or dynamic
147. His _____ showed highly positive results.
- n.* the scientific test conducted to observe what happens and gain new knowledge
148. The smell of fresh ____ trees filled the air at the Christmas tree farm.
- n.* a type of tall evergreen tree that is native to the northern hemisphere, with needle-like leaves and cones that stand upright on the branches
149. The dog stopped to _____ around the tree, looking for something interesting.
- v.* to inhale audibly through the nose, often to detect or identify a smell; to draw in air through the nostrils with a quick, audible intake of breath

ANSWERS: 142. neuroscience, 143. breaker, 144. spontaneously, 145. excessive, 146. activate, 147. experiments, 148. fir, 149. sniff

150. The _____ corpse was found in the alleyway behind the nightclub.

adj. having no head or lacking a head

151. The hospital has _____ equipment and facilities to ensure the best healthcare for its patients.

adj. characterized by the use of the latest and most advanced technology or methods; cutting-edge

152. The repeating floral _____ in the wallpaper added a touch of elegance to the room.

n. a recurring element in an artistic or literary work, typically a particular image or idea; a theme that is repeated or elaborated in a piece of music

153. The sun will _____ the mist.

v. to turn a liquid into a gas; to become less intense and disappear gradually

154. Advocates for legal reform hear less harsh words from their _____.

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

155. The _____ of time travel has long fascinated scientists and fiction writers alike.

n. a general idea or understanding of something, particularly an abstract or complex concept; a belief or opinion, often one that is not based on solid evidence or facts

156. Your talking _____ with my work.

v. to get involved in and prevent a process or activity from continuing

157. The city planning department keeps detailed _____ of all the local properties.

n. a map or a plan that shows the division and layout of land into lots or parcels; a piece of land typically used for building or agricultural purposes

ANSWERS: 150. headless, 151. state-of-the-art, 152. motif, 153. evaporate, 154. critics, 155. notion, 156. interferes, 157. plats

158. We would _____ an early reply.

v. to value and acknowledge the worth of someone or something; to be grateful for something or someone

159. Multiple genes may influence behavioral _____ concurrently.

n. a particular feature of your nature

160. The path to a solid online _____ necessitates a high technical ability.

n. the fact or state that someone or something exists, occurs, or is present

161. Many employers hire _____ trainees to train as managers.

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

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

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

163. The _____ illusion made it appear like the building was floating in midair.

adj. of or relating to or light or the ability to see; (noun) the science of light and vision, and to instruments and techniques used in the study and application of light

164. He made a _____ recovery.

adj. very effective or lucky, or completely unexpected

165. She couldn't stop her leg from _____ nervously.

v. to make a sudden and quick movement with a part of the body; (noun) a sudden, small, jerky movement of a muscle or part of the body

ANSWERS: 158. appreciate, 159. traits, 160. presence, 161. graduate, 162. responsible, 163. optical, 164. miraculous, 165. twitching

166. Your spinal _____ is located deep within your body.

n. a strong, thick, or thin thread or rope; a piece of plastic-coated wire used to transport electricity to a piece of equipment

167. The _____ scientist won the Nobel Prize for his groundbreaking work.

adj. famous, respected, and honored

168. Corruption is an _____ act for any reason.

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

169. 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

170. The company specializes in manufacturing and selling cutting-edge _____.

n. the branch of physics and technology that deals with the behavior and control of electrons and the use of electronic devices and systems

171. The _____ from the trash can was unbearable, so I had to take it out.

n. a distinctive or unpleasant smell; a scent or aroma that can be sensed through the sense of smell

172. 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

ANSWERS: 166. cord, 167. illustrious, 168. evil, 169. overcome, 170. electronics, 171. odor, 172. function

173. The soccer game crowd broke into a _____ of "Go, team, go!"
n. a simple melody or tune, typically one that is repeated or sung in a monotonous way; (verb) recite with musical intonation
174. The executioner was about to _____ the condemned prisoner.
v. to cut off the head of someone; to behead
175. The company's new _____ on remote work has made it a more inclusive workplace.
n. a set of rules, guidelines, principles, or procedures that govern decision-making or action, often used in the context of business or government; a course of action or plan of action adopted or followed by an organization or individual to achieve a goal or objective
176. The epic _____ of the family's journey through time captivated readers worldwide.
n. a long, detailed story or account of heroic deeds, family history, or notable events, often consisting of a series of connected episodes
177. The government promised to _____ a new system to control the financial crisis.
v. to put a decision, plan, or system into effect
178. The soccer player was able to _____ the ball away from the goal.
v. to cause something, especially a criticism or attack, to be directed away from someone
179. Direct lighting is preferable to _____ lighting when reading.
adj. spread out widely; not concentrated in one place
180. The surgeon made an incision in the _____ of the patient's heart.
n. a large room used for a formal, public, or particular purpose; one of the parts of a parliament

ANSWERS: 173. chant, 174. decapitate, 175. policy, 176. saga, 177. implement, 178. deflect, 179. diffuse, 180. chambers

181. The coach explained a strategy to _____ the opponent's schemes to the players.
- v. to hinder or prevent efforts, plans, or desires from doing, succeeding, or being fulfilled; to make someone feel upset or annoyed because they are unable to change or achieve something
182. The _____ of a rectangle divides it into two halves.
- n. an imaginary line that divides something, such as a shape, object, or body, into two equal or symmetrical halves
183. It is a basic instinct to _____ from a dangerous situation.
- v. to leave by running away, especially out of fear or danger
184. The economy is growing at a supercharged _____.
- n. the speed at which someone or something moves, or the rate at which something happens or changes
185. We _____ our mining resources to strengthen our national power.
- v. to make full use of and gain an advantage from resources, opportunities, etc.
186. This _____ does not require the patient's consent.
- n. the action or process of being done to improve or help a circumstance, often they have not been asked to do so
187. The _____ disease can spread quickly and potentially cause a global pandemic.
- adj. spreading very quickly, and often aggressively, and difficult to stop
188. Eventually, the new design will _____ all older models.
- v. to take the place of something

ANSWERS: 181. frustrate, 182. midline, 183. flee, 184. pace, 185. exploit, 186. intervention, 187. invasive, 188. replace

189. A wealth of information does not always have a positive impact on _____.
- n.* a person who makes important decisions, especially at a high level in an organization
190. _____ robots that can cooperate with humans have limited motor output for safety.
- adj.* having the capacity for thought and reason, especially to a high degree
191. The _____ website design allows for easy navigation on any device.
- adj.* quick to respond or react to something
192. He did _____ pen-and-ink drawings in just a few days.
- adj.* involving a lot of different things or parts in a way that is difficult to understand or analyze
193. The organizational _____ of start-ups is often flat and straightforward.
- n.* the way of construction of something and the arrangement of its parts, or a complex thing constructed of many parts
194. Greed is the primary _____ in the making of criminals.
- n.* one of the things used to make something, especially one of the foods used to make a particular dish
195. Overall _____ are approximately 400x200mm.
- n.* a measurable extent of a particular kind, such as width, height, or length
196. 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

ANSWERS: 189. decision-makers, 190. Intelligent, 191. responsive, 192. complicated, 193. structure, 194. ingredient, 195. dimensions, 196. emotions

197. My home is easily _____ from the shore.

adj. capable of being seen; or open to easy view

198. The professor's research in _____ has led to groundbreaking discoveries in the field of brain science.

n. a field of biology that studies the structure, function, and development of the nervous system, including the brain, spinal cord, and peripheral nerves encompassing a wide range of research topics, including the molecular and cellular processes involved in neural signaling, the organization of neural circuits, and the neural basis of behavior, cognition, and emotion

199. It is important to place the _____ in the correct position for accurate electro-cardiogram recording.

n. either of two points or ends of a conductor at which electricity enters or leaves an object, substance, or region

200. The old building _____ in a fiery inferno.

v. to burst or break open violently and noisily; to cause something to burst or break open

201. These articles cite five _____ of climate change.

n. a particular example or single occurrence of something

202. _____ dropping wears away the stone.

adj. happening repeatedly or all the time

203. Natural selection is an essential _____ in Darwin's theory of evolution.

n. a fundamental or essential part of something

204. The office's _____ network allows employees to work from anywhere in the building.

adj. of or relating a connection or communication that does not require a physical wire or cable, often through the use of radio waves or electromagnetic signals

ANSWERS: 197. visible, 198. neurobiology, 199. electrodes, 200. exploded, 201. instances, 202. Constant, 203. element, 204. wireless

205. This animal _____ in northern latitudes.

v. to keep animals for producing offspring in a regulated manner

206. Its _____ brothers are difficult to tell apart except for their parents.

n. either of two children born at the same time from the same mother

207. The teacher attempted to _____ the root cause of our mistake.

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

208. _____ advances have disrupted many industries.

adj. based on scientific and industrial progress

209. The event required _____ attire, so he wore a suit and tie.

adj. following established, public, or official forms and conventions, often in a serious or somber manner

210. He stepped on the gas pedal, and the engine released a loud _____.

n. a measure of the rate at which an engine or motor rotates, often expressed in revolutions per minute (RPM); (verb) to increase the number of rotations per minute

211. The _____ intelligence system has revolutionized the way we live and work.

adj. not natural and made by human beings; not real but produced to resemble something

212. He liked the car because of the _____ of the design.

n. the quality or condition of being natural and plain or easy to understand or do

ANSWERS: 205. breeds, 206. twin, 207. analyze, 208. Technological, 209. formal, 210. rev, 211. artificial, 212. simplicity

213. He _____ jumped out of his chair when he heard the news.

adv. in the real or original meaning of a word or phrase; in a literal sense or way; not figuratively

214. The following example _____ that the capacity of each battery is the same.

v. to think or accept something to be true without having proof of it; to take or begin to have power; to begin to exhibit a specific quality or appearance

215. He made a frightful _____ in his room.

n. a state of confusion, dirtiness, or untidiness; (verb) to fail to do something or to make something dirty or untidy

216. Her beauty resulted from a good night's sleep rather than _____.

n. colored substances used on someone's face to improve or change their appearance

217. 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

218. Endorphins are a type of _____ that gives a sense of well-being.

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

219. 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

220. The ladder leaned against the _____ surface of the building.

adj. upright or perpendicular to a horizontal surface or line

ANSWERS: 213. literally, 214. assumes, 215. mess, 216. makeup, 217. progression, 218. neurotransmitter, 219. brain, 220. vertical

221. I was sweating at every _____.

- n.* a tiny hole in the skin of people or other animals that sweat can pass through;
(verb) to read carefully or study attentively

222. Many people in this city use the _____ railway for transportation.

- n.* a shape like a curve or a circle made by something long and thin, such as a piece of string, that bends round and crosses itself

223. The _____ on the corner is hosting a free community meal tonight.

- n.* a building or institution dedicated to religious worship or activities; a Christian religious organization or denomination

224. Life expectancy has grown _____ this century.

- adv.* in a very impressive manner

225. Hay fever occurs when a substance called histamine binds to _____ in the nose and eyes.

- n.* an organ having nerve endings that respond to stimulation such as heat or cold and makes the body react in a particular way

226. He pointed out all the _____ to our plan.

- n.* a disadvantage or inconvenience that makes something less attractive

227. You _____ a bill in the change machine, and the coins pop out.

- v.* to put something, usually a sharp object, into something; to restrict yourself to doing or using one certain thing and not change; (noun) a thin piece of wood or other material

228. Bungee jumping was an _____ experience that left me shaking with adrenaline.

- adj.* making one feel very happy and lively; invigorating; providing a feeling of excitement or thrill

ANSWERS: 221. pore, 222. loop, 223. church, 224. dramatically, 225. receptors, 226. drawbacks, 227. stick, 228. exhilarating

229. Detergent weakens the surface tension at the _____ of two liquids.

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

230. The earthquake caused a _____ of lumber to crumble noisily.

- n.* a pile of something arranged or laid one on top of another; a large tall chimney through which combustion gases and smoke can be evacuated

231. The detective discovered that the witness had _____ her story about the crime.

- v.* to make something, especially by assembling parts or constructing it from raw materials; to invent and present something false as true or real to deceive someone

232. Inspectors noticed _____ cracks in the submarine's hull.

- adj.* tiny; exceedingly precise and detail-oriented; of or used in microscopy

233. His _____ speech about his struggles with addiction brought tears to the audience's eyes.

- adj.* causing strong emotions or feelings, especially sadness or sympathy

234. Energy-efficient _____ are needed to maximize the cruising distance of electric vehicles.

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

235. She _____ a new chapter into her manuscript.

- v.* to put something inside something else

ANSWERS: 229. interface, 230. stack, 231. fabricated, 232. microscopic, 233. moving, 234. motors, 235. inserted

236. The dragon is considered a _____ of bravery.

n. something visible that is used to represent something else

237. We should _____ the troops at the front line.

v. to strengthen or support something, especially by adding another material to it; to make emotion, idea, etc. stronger

238. Higher _____ requires additional equipment and energy.

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

239. This remote _____ is rarely visited.

n. a particular location or place; a small round or roundish area, differing in color or feels from the surface around it

240. His _____ prevented him from seeing his flaws.

n. excessive pride in or admiration of one's appearance or achievements

241. There's no _____ in his description.

n. a way of thinking or reasoning conducted or evaluated by strict validity principles; the study of correct reasoning or good arguments

242. She stood on the podium and _____ an audience.

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

ANSWERS: 236. symbol, 237. reinforce, 238. purity, 239. spot, 240. vanity, 241. logic, 242. scanned