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# Vocabulary Builder Reference from...

Ed Boyden: A light switch for neurons | TED Talk https://www.ted.com/talks/ed\_boyden\_a\_light\_switch for\_neurons



### **All Words**

#### **IMPORTANT**

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### **Session 1: Word List**

#### encounter

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

synonym: meet, run into, come across

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

### colleague

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

synonym: coworker, associate, fellow

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

### discuss

v. to talk about or examine in detail through conversation or debate; to exchange ideas, opinions, or information on a particular topic

synonym: talk about, converse, debate

(1) **discuss** options, (2) **discuss** solutions

We need to **discuss** the next steps for the project during our meeting tomorrow.

#### bet

v. to risk money on the result of an event or a competition, such as a race or game, to get more money; to have

faith or confidence in something

synonym: stake, wager, gamble

(1) **bet** on a race, (2) **bet** my future I **bet** that you know it.

### 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.

### mediate

v. to try to bring about an agreement or understanding between people who are in conflict

synonym: arbitrate, reconcile, intervene

(1) **mediate** allergic reaction, (2) **mediate** a negotiation The teacher had to **mediate** a disagreement between two students over a stolen pencil.

### brain

 the organ inside the head that is responsible for one's movement, thought, memory, and feeling

synonym: intellect, mind, encephalon

basic brain function, (2) permanent brain damage
 rays revealed a small tumor in his brain.

### pound

- n. the standard unit of money in the UK; the standard unit of weight equal to 16 ounces
- (1) three-fourths of a **pound**, (2) thousands of **pounds**. The car's front bumper cost fifteen hundred **pounds**.

flesh

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

synonym: meat, muscle, tissue

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

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

### amorphous

adj. without a definite or clear shape or form; lacking a specific structure or organization; shapeless or formlesssynonym: formless, shapeless, structureless

(1) **amorphous** amoeba, (2) **amorphous** mass
The clouded jellyfish has an **amorphous** shape, making it difficult to identify.

#### neuroscience

- 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**.

#### 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.

### intricacy

- n. the quality of being complex, detailed, or highly involved; the existence of many interrelated parts or elementssynonym: complexity, intricateness, elaboration
- (1) the **intricacy** of the design, (2) legal **intricacy**The clockwork mechanism of the antique watch showed incredible **intricacy**.

### incredibly

adv. in a way that is very difficult to believe; exceedingly or extremely

synonym: enormously, exceptionally, extraordinarily

(1) **incredibly** cheerful character, (2) get **incredibly** insecure

Several cities are experiencing **incredibly** high unemployment rates.

### 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.

#### 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

circuit breaker, (2) federal circuit courts
 An intelligent battery has a voltage monitoring circuit.

### neuron

- a cell that is specialized to carry information within the brain and between the brain and other parts of the body
- synonym: nerve cell
- (1) excite the **neurons**, (2) **neuron** cell body Our body transfers information along each **neuron** using an electrical impulse.

#### molecule

 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.

#### disease

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

synonym: illness, ailment, affliction

(1) disease prevention, (2) disease control

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

#### concrete

adj. existing in a physical or material form rather than an abstract one; based on facts rather than ideas or guesses; made of or covered with cement

synonym: actual, factual, hardened

(1) a **concrete** noun, (2) **concrete** examples The president asked for a more **concrete** plan.

### inhibit

to prevent something, such as an action, process, etc., ν. from happening or make it less likely to happen than normal

synonym: deter, hinder, impede

- (1) **inhibit** desires, (2) **inhibit** tumor growth Excessive parental interference may **inhibit** children's eagerness to learn.
- a decrease in size of a muscle, organ, etc., caused by disease or disuse

synonym: disintegration, degeneration, wasting away

(1) weakness with **atrophy**, (2) **atrophy** of the muscles Daily exercise and adequate sleep are necessary to prevent the progression of atrophy.

disorder

atrophy

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

*synonym*: chaos, disturbance, disease

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

The doctor prescribed some medicine for the mental disorder.

### schizophrenia

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

synonym: psychosis, disorder, mental illness

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

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

### discovery

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

synonym: finding, uncovering, detection

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

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

### pyramid

a polyhedron having a polygonal base and triangular n. sides with a common vertex; a massive monument with a square base and four triangular sides, begun by Cheops around 2700 BC as royal tombs in ancient Egypt

synonym: monument, edifice, tomb

- (1) **pyramid** architecture, (2) a truncated **pyramid** The Egyptian **pyramids** consist of a vast number of blocks.
- the entire length of something, such as time or space from beginning to end; the amount of space that something covers

synonym: interval, period, length

(1) the **span** of a bird's wings, (2) the average life **span** He slightly modified the **span** of training because it was just before a match.

#### fraction

a small part or item forming a piece of a whole; the quotient of two rational numbers

synonym: piece, part, fragment

(1) a **fractional** share of the vote, (2) a numerator in a fraction

He spent only a **fraction** of his earnings.

#### excite

- to make someone feel suddenly enthusiastic or eager synonym: thrill, exhilarate, animate
- (1) **excite** the crowd, (2) **excite** rebellion The news of her promotion **excited** her.

span

#### overactive

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

*synonym*: hyperactive, frantic, restless

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

### epilepsy

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

synonym: seizures, convulsions, fits

(1) epilepsy seizure, (2) epilepsy medication

The flashing lights at the concert triggered her **epilepsy** and caused a seizure.

### incredible

adj. unbelievable; enormous

synonym: unbelievable, fantastical, inconceivable

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

### electrical

adj. relating to electricity

(1) an **electrical** storm, (2) degree in **electrical** engineering Actuators convert **electrical** pulses into motion.

#### device

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

synonym: gadget, instrument, tool

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

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

### upstream

adj. in the direction against a stream's current; (adverb) toward the source or beginning of a stream, river, or process

synonym: upriver, up-current

(1) swim upstream, (2) upstream direction

The company is investing heavily in **upstream** research and development.

### compute

- v. to make a mathematical calculation
- synonym: calculate
- (1) **compute** an average score, (2) **compute** the value I tried to **compute** the efficiency of the investment.

#### threshold

- n. the floor or ground that forms the bottom of a doorway and offers support when passing through a doorway; the smallest detectable sensation
- *synonym*: anteroom, brink, verge
- (1) the **threshold** between rooms, (2) high pain **threshold** She's on the **threshold** of adulthood.

### downstream

- adv. in the direction that a stream or river flows; (adjective) in the direction of a stream's current
- synonym: lower, below, later
- (1) go **downstream** in a boat, (2) **downstream** processing The boat drifted **downstream** and was carried away by the current.

#### process

- n. a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products
- synonym: procedure, method, system
- (1) **process** improvement, (2) decision-making **process**The **process** for applying for a visa can be lengthy and complicated.

id

n. a part of the psyche that represents the unconscious desires and instincts of an individual; in psychoanalytic theory, it is believed to be the most basic and primal part of the human psyche; (also ID, short for identification) a document or card that proves a person's identity, such as a driver's license, passport, or national ID card *synonym*: identity, ego, persona

(1) the **id** ego, (2) **ID** card

I forgot my **ID** at home and needed it to enter the club.

#### contribute

- v. to give something, especially money or goods, to provide or achieve something together with other people synonym: donate, devote, commit
- (1) **contribute** a large sum of money to the fund,
- (2) **contribute** to society

Government workers cannot **contribute** to political campaigns.

### **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**.

### pathology

n. the study of the nature and cause of diseases and disorders; the medical specialty that deals with the diagnosis and treatment of diseases and disorders

synonym: medical science, pathophysiology

(1) benign **pathology**, (2) clinical **pathology** 

The **pathology** report showed no signs of cancer, giving her family a sense of relief.

#### unleash

v. to suddenly release a strong force, emotion, etc. that cannot be controlled

*synonym*: discharge, free, release

(1) unleash a hound, (2) unleash her anger

The general was still reluctant to **unleash** his troops in pursuit of an enemy.

#### sustain

v. to supply enough of what somebody or something needs to survive or exist; to accept as valid

synonym: maintain, nurture, support

(1) **sustain** a good relationship with him, (2) **sustain** a wellness lifestyle

She struggled to **sustain** the children's reading habits.

### attempt

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.

### pathway

 a track that constitutes or serves as a path; an approach or a way of doing something

synonym: route, footpath, trail

(1) **pathway** to understanding, (2) cellular signaling **pathways** 

When the first molecule in the **pathway** receives a signal, it activates other molecules.

### confront

v. to face, meet or deal with a problem or difficult situation or person

*synonym*: engage, encounter, contend

(1) **confront** a global warming, (2) **confront** the issue He finally decided to **confront** problems directly.

### incapacitate

v. to disable or render someone or something unable to function or operate normally, either temporarily or permanently, often as a result of injury, illness, or damage

synonym: disable, paralyze, immobilize

(1) incapacitate opponent, (2) incapacitate the enemy

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The injury sustained during the game could **incapacitate** the player for the rest of the season.

#### **Alzheimer**

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

synonym: dementia, memory loss, cognitive decline

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

### depression

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

synonym: recession, slump, despair

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

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

#### addiction

n. the inability to stop using or doing something as a habit, especially something harmful

synonym: dependence

(1) alcohol **addiction**, (2) **addiction** to foreign oil He is now fighting his **addiction** to drugs.

### 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.

emotion

 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.

### develop

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

*synonym*: evolve, progress, advance

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

We must **develop** a new system to streamline our workflow and increase efficiency.

### pharmaceutical

adj. relating to the production and selling of the medical drugs

synonym: drug, medication, prescription

(1) major **pharmaceutical** companies, (2) commercial **pharmaceutical** products

She gave money to help set up a pharmaceutical laboratory.

#### alleviate

ν. to make something, usually pain, distress, or problem, less severe or intense; to ease or lighten a burden

synonym: ease, relieve, lessen

(1) alleviate anxiety, (2) alleviate stress

Taking ibuprofen can alleviate the pain from a headache.

### symptom

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

synonym: sign, manifestation, syndrome

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

### practically

adv. almost or nearly

synonym: almost, nearly, virtually

(1) **practically** constant, (2) **practically** impossible to find a parking spot

The store is **practically** empty.

### chemical

adj. relating to or connected with chemistry;

synonym: chemic, synthetic

(1) toxic chemicals, (2) a chemical compound

The firm has grown into a large **chemical** manufacturing.

### elaborate

adj. containing a lot of carefully prepared and organized or many complicated and detailed parts

synonym: detailed, intricate, complicated

(1) an elaborate hat, (2) elaborate Ponzi scheme

He proposed an **elaborate** program of public works.

#### substance

the real physical material of which a thing or person n. consist; the most important or main part of some idea or experience; an illegal drug

synonym: essence, core, material

- (1) an explosive **substance**, (2) **substance** abuse problem
- The **substance** of the argument was well-presented.

### solace

comfort or consolation in a time of distress, sadness, or disappointment; (verb) to comfort or console someone in a time of distress, loss, or suffering

synonym: comfort, condolence, peace

(1) solace in music, (2) offer solace

The grieving widow found solace in reading her late husband's letters.

### stimming

a behavior often exhibited by individuals on the autism spectrum characterized by repetitive bodily movements or sounds, such as hand flapping or rocking, often used as a form of self-regulation or sensory stimulation

synonym: self-stimulation, repetitive behaviors

(1) autistic **stimming**, (2) **stimming** therapy

Autistic children may engage in **stimming** behaviors, such as rocking or hand flapping, to self-regulate.

### implant

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

synonym: insert, fix, place

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

#### cochlea

n. a spiral-shaped cavity in the inner ear that is responsible for hearing; it contains sensory hair cells that convert vibrations into electrical signals that are sent to the brain for interpretation

synonym: spiral organ, snail shell, inner ear

(1) cochlea spiral, (2) implanted cochlea

Damage to the **cochlea** can cause hearing loss or deafness.

### remedy

 a successful way of dealing with or improving an unpleasant or difficult situation or curing an illness

synonym: treatment, medication, therapy

(1) remedy for air pollution, (2) an internal remedyThis drug will be a good remedy for your stomach trouble.

### electrify

v. to make a machine or system work by using electricity; to make someone extremely enthusiastic about or interested in something

synonym: wire, amaze, astonish

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

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

#### resistance

 the act of defending oneself from an aggressor or refusing to accept something

synonym: opposition, antagonism, defiance

(1) **resistance** movement, (2) **resistance** to insulin The bill to increase the consumption tax had passed despite much **resistance** from the public.

### phrase

a group of words that mean something specific when used together

*synonym*: expression, idiom, term

(1) ready-made phrases, (2) noun phrase

We bought a Spanish **phrase** book.

#### norm

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

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

### abnormal

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

synonym: aberrant, bizzare, unusual

synonym: accurate, exact, distinct

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

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

### precise

adj. sharply exact or accurate or delimited

(1) precise analyses, (2) estimate precise costs

The content is **precise** and informative for me.

dial

v. to adjust or set the controls of a machine or device by turning a controller called dial; (noun) a disc on a telephone that is rotated a fixed distance for each number called

synonym: adjust, set, turn

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

### engineer

 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

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

### physicist

- n. a scientist who specializes in the field of physics
- (1) talented **physicist**, (2) theoretical **physicist**Einstein was an outstanding and famous **physicist** of the 20th century.

### distance

n. the amount of space between two points, measured in units such as miles, meters, or kilometers; the extent, scope, or range between two things, such as distance or emotional distance

synonym: space, gap, span

(1) driving distance,(2) social distanceThe marathon runner covered a long distance in a short

amount of time.

### embedded

*adj.* fixed firmly into the surface of something *synonym*: ingrained, implanted, inserted

(1) **embedded** systems, (2) LED- **embedded** glass The **embedded** chip in my credit card allows me to make contactless payments.

### computation

- n. the act or process of calculating something, especially an answer or amount, by using a machine or calculator synonym: calculation, estimation, arithmetic
- (1) parallel **computation**, (2) theory of **computation**The researcher demonstrated the superiority of quantum **computation** in several mathematical tasks.

awry

adv. in a wrong or crooked position; out of order; amisssynonym: amiss, askew, incorrect

(1) awry plan, (2) awry hair

The plans for the surprise party went **awry** when the cake was ruined.

#### convert

v. to have a talk with someone; (adjective) reversed in order, relation, or action

synonym: alter, remake, transform

(1) **convert** fat into energy, (2) **convert** base 10 to base 16 I want to **convert** my sadness into strength.

### protein

install

- a molecule made up of a long chain of amino acids,
   which is essential for the structure and function of the body's tissues
- (1) stress **protein**, (2) **protein** synthesis The body needs a certain amount of **protein** to build and repair tissues.
- v. to fix furniture, a machine, or a piece of equipment into position so that it can be used; put into an office or a position

synonym: establish, inaugurate, lodge

(1) install a door, (2) install a chairperson

The new president was **installed** immediately after the national election.

### magic

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

synonym: fascination, illusion, wizardry

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

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

### advantage

 a condition or circumstance that puts one in a favorable or superior position; a beneficial feature or asset that someone or something has

synonym: benefit, edge, asset

(1) score an **advantage**, (2) take **advantage** of his weak points

One of the main **advantages** of the new product is its increased efficiency.

#### telecom

 n. (a shortened form of telecommunications) the communication of information over long distances through various means such as phones, television, radio, and the internet

synonym: communication, telecommunications, telephony

(1) **telecom** industry, (2) **telecom** service providers The **telecom** company is planning to launch a new smartphone next month.

### 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.

### fiber

 thread or filament used to make a vegetable tissue, mineral material, or textile

synonym: yarn, thread, wool

(1) carbon **fiber**, (2) synthetic **fiber** 

We must consume dietary **fiber** to maintain good health.

#### laser

 a device that emits powerful and narrow light that can be used as a tool to cut metal through a process of optical amplification

synonym: beam, bar, ray

(1) laser printer, (2) pulse laser

The company holds patents on core components of **laser** jet printers.

### preclinical

- adj. of or relating to the early phases of a disease when an accurate diagnosis is not possible because symptoms of the disease have not yet appeared; of or relating to the first stage of a medical education
- (1) **preclinical** diagnosis, (2) **preclinical** safety evaluation The doctor suspected that the patient was in the **preclinical**

stage of Alzheimer's disease.

### collaboration

*n.* the act or situation of working together to create or produce something

synonym: affiliation, alliance, coalition

(1) **collaboration** between companies, (2) **collaboration** platform

The partnership program requires a mutual **collaboration** between both agencies.

#### vision

 the ability to think about or see the future with imagination and intelligence; the faculty of being able to see

synonym: sight, image, concept

(1) a prodigious vision,(2) telescopic visionDriving is difficult for me because of my poor vision.

algae

- A simple plant that grows in or near water and lacks typical leaves and roots
- (1) algae biofuel, (2) blue algae

Algae has jammed the inlet to the water turbine.

### navigate

ν. to plan and direct the way that a ship, plane, etc. will travel, often by using a map

synonym: guide, helm, voyage

(1) **navigate** the Pacific, (2) **navigate** through a document Our knowledge helps **navigate** our clients successfully.

### photosynthesis

- n. the process through which plants and other organisms transform light energy into chemical energy, which is then released through cellular respiration to power the organism's activities.
- (1) oxygenic **photosynthesis**, (2) process of **photosynthesis**

In **photosynthesis**, plants use carbon dioxide to feed themselves.

### optimal

*adj.* the best; most likely to be successful or advantageous *synonym*: optimum, desirable, favorable

(1) achieve **optimal** health, (2) **optimal** for intellectual growth

Wild animals need to go forward with the **optimal** action to survive.

### eyespot

- a rounded eyelike spot on an animal, as on the wings of some butterfly, or the tail of a peacock
- (1) a purple **eyespot**, (2) **eyespot** disease

  The primary role of the **eyespots** is to deflect attention from predators.

### membrane

- n. a soft, thin layer that forms animal or vegetable tissuesynonym: tissue layer
- cell membranes,
   nuclear membrane
   Loud noises might harm the fragile ear membrane.

### boundary

- n. a real or imaginary line that marks the limit or extent of something and separates it from other things or placessynonym: border, frontier, limitation
- (1) geographical **boundary**, (2) the **boundary** between reality and fantasy

He wandered the **boundary** between life and death by gunfire.

### rhodopsin

- n. a light-sensitive protein found in the retina of the eye, responsible for vision in low-light conditionssynonym: visual purple, purpuroxanthin, retinene
- (1) visual **rhodopsin**, (2) photosensitive **rhodopsin**Light entering the eye causes a chemical change in the **rhodopsin**, which begins the vision process.

### particle

n. a small piece of something; a word or piece of a term with grammatical function but little or no significance synonym: atom, grain, bit

(1) charged **particle**, (2) **particle** energy

We can calculate the position of the **particles** statistically.

### **battery**

a device that is placed inside a car, gadget, equipment,
 etc. and that provides electrical power to them

*synonym*: electric cell, array, batch

(1) a dry battery, (2) battery charging

The engine did not start because the **battery** was flat.

### 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.

### therapy

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

synonym: antidote, medicine, treatment

(1) **therapy** for a patient, (2) field of gene **therapy** 

I underwent aversion **therapy** for my addiction to alcohol.

#### vector

a quantity that has both magnitude and direction, often used in mathematics, physics, and engineering to describe forces, velocities, or other physical phenomena; any agent (person or animal, or microorganism) that carries and transmits a disease

synonym: carrier, transporter, conveyor

(1) disease **vector**, (2) a **vector** operation

The mosquito is a common **vector** for many diseases, including malaria and Zika.

### virus

 a tiny infectious organic material that causes disease in people, animals, and plants

synonym: bacterium, germ, ailment

(1) spread of the virus, (2) a strain of virus

An infected person in the hospital will likely pass the **virus** to others.

### machinery

a group of large machines or the components of a machine that make it work; social institution functions or structure for doing something

synonym: apparatus, appliance, equipment

(1) heavy **machinery**, (2) inactive **machinery** The machinery of audit formally issued a business improvement order.

#### fabricate

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.

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

synonym: exposed, susceptible, keen

- (1) sensitive documents, (2) baby with sensitive skin The teacher is very **sensitive** to children's feelings.
- a square or rectangular and flat piece of something that n. forms a distinct section or component of something; a small group of specialists who discuss particular topics or give their advice or opinion about something

synonym: board, commission, discussion

(1) panel discussion, (2) cost of solar panels A panel of economic advisers from the United States visited the country to help rebuild its economy.

### tweak

to pinch or squeeze something sharply; to adjust something finely

synonym: nip, pinch, fine-tune

(1) tweak his cheek, (2) tweak the economy He didn't **tweak** the plan, even though he had time.

#### sensitive

## panel

### genetic

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

*synonym*: hereditary, genetical, inborn

can use it.

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

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

#### activate

- v. make something start working, more active or dynamic synonym: mobilize, stimulate, initiate
- activate a receptor, (2) activate a motor
   You must activate the software with a 16-digit key before you

### optogenetics

- 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.

### complexity

 the state or quality of being complicated or intricate and difficult to understand

synonym: intricacy, sophistication, elaboration

(1) cognitive **complexity**, (2) **complexity** theory

The project's **complexity** made it difficult for the team to complete it on time.

#### dense

adj. containing a large number of people or something with little space between them

synonym: heavy, thick, idiotic

(1) nutrient- **dense** foods, (2) **dense** forests

The entire mountain is covered in **dense** rainforest.

### flash

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.

#### adverse

adj. unfavorable or harmfulsynonym: hostile, detrimental, unfavorable

(1) adverse circumstances, (2) adverse reaction

The **adverse** weather conditions forced us to cancel the outdoor event.

jazz

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

synonym: swing, blues, bebop

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

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

clinical

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

synonym: dispassionate, analytic, scientific

(1) **clinical** surgery, (2) participate in **clinical** trials She received special **clinical** training at the hospital.

reward

*n*. a thing given in acknowledgment of service, hard work, achievement, etc.

synonym: compensation, gratuity, bonus

(1) the **reward** for good works, (2) shopping **rewards** cards Night fishing has a lot of **rewards**.

electrode

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

#### severe

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

synonym: harsh, relentless, powerful

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

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

### paradigm

 a standard or typical example of something; a pattern or model

*synonym*: example, standard, epitome

(1) major paradigm shift, (2) cultural paradigm

He postulated a completely different **paradigm** to explain all these phenomena.

### 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.

### poke

- v. to push or prod with a sharp object or the finger synonym: prod, jab, push
- (1) poke around the desk, (2) poke a fire

They **poked** fun at each other's jokes, laughing and teasing.

### dopamine

- 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.

#### devise

v. to come up with an idea, plan, theory, etc., using your intelligence or imagination

synonym: create, concoct, invent

(1) **devise** a plan, (2) **devise** a literary plot

They had to **devise** a system that did not depend on fossil fuels.

#### dimension

 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.

### array

 a large group or collection of things or people, especially one that is impressive or attractive

synonym: collection, display, batch

(1) a two-dimensional **array**, (2) an **array** of troops The customer on the Internet has to choose one from a formidable **array** of products.

### independence

- n. freedom from another's or others' control or influencesynonym: freedom, liberty, autonomy
- (1) financial **independence**, (2) **independence** ceremony There is nothing more valuable than **independence** and freedom.

#### miniature

adj. being on a very small scale

synonym: mini, scaled-down, pint-sized

(1) miniature camera, (2) miniature version

He did complicated pen-and-ink drawings like medieval miniatures.

#### vivo

adj. alive or existing in a living organism or system; relating to or involving "live" organisms or systems, particularly in scientific research or experimentation

synonym: alive, living, animate

(1) vivo imaging, (2) in vivo research

The **vivo** colors of the flowers made the garden come alive.

### throughput

 the amount of material or information that can be processed by a system or organization over a given period of time

synonym: output, capacity

(1) workplace **throughput**, (2) network **throughput**The data center's **throughput** is impressive, allowing for quick processing of large amounts of data.

### traumatic

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

*synonym*: distressing

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

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

### controllable

adj. able to be controlled or directedsynonym: manageable, governable, submissive

(1) computer- **controllable**, (2) **controllable** aircraft The new software is much more **controllable** and user-friendly.

### anxiety

 a feeling of worry, nervousness, or unease about something that is happening or might happen in the future

synonym: concern, dread, agita

(1) diagnosis of **anxiety** disorder, (2) **anxiety** for knowledge She waited for her daughter with **anxiety**.

### adopt

 to choose to follow something; to legally take a child from another family and care for them as if they were one's own

synonym: accept, assume, take on

(1) adopt a child, (2) adopt a bill

The national assembly has adopted the budget.

### shock

 a strong feeling or physical reaction to a sudden and unexpected event or experience, especially something

### unpleasant

synonym: amazement, surprise, stunner

(1) death from **shock**, (2) **shock-resistant** He got an electric **shock** at work.

### annoying

adj. making someone feel slightly angrysynonym: aggravating, bothersome, irksome

(1) **annoying** banner ad, (2) **annoying** habit The phone call is an **annoying** interruption.

### experiment

 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.

#### react

- v. to take action in response to something synonym: respond, reply, oppose
- (1) **react** at a high temperature, (2) **react** against his way of thinking

How did he react to your idea?

## headlight

 a bright forward-facing light on a vehicle, typically used at night to illuminate the road ahead

synonym: headlamp, beam, lamp

(1) headlight adjustment, (2) headlight switch

My car's **headlight** must be replaced before I drive again at night.

#### 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.

#### associate

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

synonym: tie in, link, consociate

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

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

#### slide

 to move or cause to move smoothly along a surface without interruption

synonym: glide, drift, drop

(1) **slide** a card across the table, (2) **slide** a glance If necessary, you can **slide** the front seats forward.

### prefrontal

adj. in or about the foremost part of the frontal lobe of the brain

(1) prefrontal bone, (2) prefrontal region

Research shows that damage to the **prefrontal** cortex leads to increased aggression.

#### cortex

- n. the outermost layer of an organ, especially the brain
- (1) cortex cells, (2) visual cortex neuron

The cerebral **cortex** consists of six layers.

### cognition

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

synonym: awareness, understanding, comprehension

(1) social **cognition**, (2) **cognition** disorder

The professor focused on the research of infant **cognition**.

#### avert

 to prevent something dangerous or undesirable from happening

synonym: discourage, prevent, deter

(1) avert disaster, (2) avert a strike

The dam systematically releases large amounts of water to avert flooding during the rainy season

#### emotional

adj. relating to people's feelingssynonym: affecting, impactful, impressive

(1) emotional health, (2) emotional distress

Human **emotional** responses vary widely depending on the society to which they belong.

clip

 a small metal or plastic device used for holding an object or objects together or in place; a short part of electronic media, either an audio clip or video clip

synonym: buckle, hook, pin

(1) tie clip, (2) short video clip

He fastens some sheets of paper with a **clip**.

equip

v. to provide a person or a place with the things that are needed for a particular purpose or activity

synonym: prepare, furnish, provide

(1) **equip** an army, (2) **equip** our children with some special skills

The construction company **equipped** the building with an earthquake-resistant device.

delete

 $\nu$ . to remove something, especially that has been written; to wipe out digitally or magnetically recorded information

synonym: erase, wipe out, remove

(1) **delete** a file, (2) **delete** this modification Highlight the sentences that you want to **delete**.

survey

 an investigation of the opinions, behavior, etc. of a particular group of people, made by asking people questions

*synonym*: study, examination, poll

(1) a comprehensive **survey**, (2) recent **survey**That **survey** shows that people are accepting the tax increase to some extent.

kingdom

n. the country ruled by a king or queen

synonym: empire, realm, land

(1) establish his **kingdom**, (2) a subordinate **kingdom** By remaining neutral, this **kingdom** continued to exist.

### 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.

### opposition

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

synonym: resistance, hostility, antagonism

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

### strategy

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

synonym: approach, procedure, scenario

(1) military **strategy**, (2) develop a **strategy**Our plan includes a comprehensive marketing **strategy**.

#### irreversible

*adj.* impossible to change or return to a previous condition *synonym*: irrevocable, unrecoverable, permanent

(1) avoid **irreversible** damage, (2) an **irreversible** change The development of agricultural technology has had an **irreversible** impact on humanity.

#### seizure

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

synonym: confiscation, expropriation, takeover

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

### initial

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

synonym:

basic, primary, beginning

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

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

### dynamic

adj. having a lot of energy, ideas, and enthusiasm, and a strong personality; of or relating to dynamics (= the branch of physics and engineering concerned with the forces that cause motions of bodies)

synonym: energetic, active, vital

(1) a **dynamic** market, (2) **dynamic** person

The sprinter has a **dynamic** way of running.

### coax

 to persuade, encourage, or gently urge someone to do something; to manipulate or persuade something to work or function properly

synonym: persuade, cajole, lure

(1) coax a confession, (2) coax a smile

She tried to **coax** her cat out of the tree with a can of tuna.

#### stable

adj. firm and steady; not easily moved, disturbed, or changed

synonym: sturdy, unmoving, durable

(1) in **stable** condition, (2) have a **stable** job

Relations between the two countries have been relatively **stable** due to the summit meeting.

#### animation

n. the technique of photographing successive drawings or positions of puppets or models to create an illusion of movement when the film is shown as a sequence; enthusiasm and energy in the way you look or behave

synonym: motion, movement, liveliness

(1) animation studio, (2) animation film

The **animation** of the characters in the movie was so realistic, and it was as if they were there.

### concept

n. an idea or principle associated with something abstractsynonym: idea, notion, vision

(1) learn new concepts,(2) concept carOne such rapidly growing concept is quantum cryptography.

#### beam

 a long, sturdy piece of timber, metal, or other material used to support a structure or span a distance; a ray or stream of light emitted by a source

synonym: ray, ray of light, shaft of light

(1) **beam** of light, (2) a structural **beam** of a building The sun's **beam** shone through the window and illuminated the room.

### possibility

- n. a chance that something may happen or be truesynonym: chance, prospect, likelihood
- (1) **possibility** for growth, (2) **possibility** of a major earthquake

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

### prosthetic

- adj. of or relating to an artificial part of the body, such as a limb, a heart, or a breast implant
- have prosthetic arms, (2) prosthetic limbs
   New prosthetic joints are less prone to metal poisoning.

#### uncommon

adj. not occurring or seen very often; rare synonym: rare, scarce, unusual

(1) **uncommon** occurrence, (2) **uncommon** talents It was **uncommon** for the store to have such a big sale.

### patient

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

synonym: client, recipient, subject

(1) **patient** in the hospital, (2) **patient** with weight loss. The doctor carefully examined the **patient's** medical history.

#### bacteria

n. single-celled or noncellular spherical or spiral or rod-shaped organisms that exist in large numbers in the air, water, and soil, and also in living and dead creatures and plants, and are often a cause of disease

synonym: microorganism, microbe

(1) pathogenic **bacteria**, (2) harmless **bacteria Bacteria** prevalent in hospitals are often resistant to antibiotics.

### fungus

 a type of organism that includes yeasts, molds, and mushrooms, which are heterotrophic, meaning they do not produce their food and must consume organic matter to survive

synonym: mold, mildew, yeast

(1) **fungus** infection, (2) symbiotic **fungus**Certain types of **fungus** can be toxic to humans, causing severe illness if ingested.

### tolerate

v. to allow something to exist or happen, even if it is disliked or opposed

synonym: endure, put up with, bear

(1) **tolerate** his disrespectful behavior, (2) **tolerate** ambiguity

I can't tolerate spicy food, and it always gives me heartburn

#### immune

adj. protected against a particular disease or toxin due to the presence of specific antibodies or sensitized white blood cells

synonym: resistant, unsusceptible, unaffected

(1) **immune** from criminal prosecution, (2) the cell of the **immune** system

The vaccination does not necessarily make you completely **immune**.

#### examine

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

synonym: study, probe, analyze

(1) <b>examine</b> the data studiously,	(2) <b>examine</b> the issue
Initially, we must examine all proje	ect-related expenses.

#### overt

adj. open, evident, or clear, especially in a way that is not intended to be secret

synonym: open, unhidden, obvious

(1) **overt** hostility, (2) **overt** symptoms

His **overt** lack of enthusiasm was noticeable to everyone in the room.

#### reaction

 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.

### severity

- *n.* the quality or condition of being severe, strict, or harsh *synonym*: harshness, rigidity, austerity
- (1) the severity of cold, (2) high severity

The **severity** of the drought was a major concern for farmers.

#### illumination

 light or source of light; the degree of visibility of your environment

synonym: light, luminosity, brightness

(1) starry **illumination**, (2) indirect **illumination**The skylight will give adequate **illumination** from above.

### upfront

adj. frank and honest; (adverb) (of payment) in advance synonym: honest, authentic, fair

(1) an upfront tone, (2) pay upfront

He was very **upfront** with him about his intentions.

#### blind

adj. unable to see; unable or unwilling to perceive or understand the true nature of something

synonym:

### sightless, unseeing, random

(1) **blind** to the beauties, (2) **blind** spot She was nearly **blind** due to severe diabetes.

### photoreceptor

 a specialized cell in the retina of the eye that responds to light and enables vision; there are two types of photoreceptor cells - rods and cones - that are responsible for different aspects of vision

synonym: rod, cone, light-sensitive cell

(1) **photoreceptor** cells, (2) damaged **photoreceptor** Cone **photoreceptors** are responsible for color vision.

#### retina

- the innermost light-sensitive membrane covering the back wall of the eyeball
- (1) **retinal** cells, (2) **retina** scanner

  Damage to the **retina** may play a role in the development of glaucoma.

#### structure

 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.

#### 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.

#### transform

v. to change in outward structure or looks;

synonym: alter, convert, change

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

power

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

## ganglion

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

synonym: nerve center, nervous system

(1) ganglion cyst, (2) spinal ganglion

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

## relay

to receive and pass something, such as information or a message, from one person or group to another; to broadcast something on television, radio, etc.

synonym: pass on, transmit, broadcast

(1) relay a scene, (2) relay a request

Please **relay** the news to the world.

## perception

a belief, opinion, or image you have based on how you n. 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**.
- an inflammation of the retina (= the thin, light-sensitive n.

tissue that lines the inside surface of the eye) which can cause decreased vision or possibly lead to blindness

synonym: retinal inflammation, retinopathy

(1) **retinitis** treatment, (2) infectious **retinitis Retinitis** pigmentosa is a group of genetic disorders that affect the retina's ability to respond to light.

pigment

a substance that gives color to a material, such as paint, ink, or biological tissue; often derived from natural sources or synthetically produced

synonym: dye, colorant, tint

(1) skin **pigment**, (2) **pigment** accumulation

retinitis

The use of synthetic **pigments** in food production has become controversial due to health concerns.

#### macula

 a small, oval-shaped area near the center of the retina of the eye, responsible for providing high-resolution vision

*synonym*: center of the retina, spot, eyespot

(1) macula lutea, (2) damage to the macula

There are several treatment options available for patients with **macula-related** disorders.

## degenerate

v. (of a person, animal, or plant) to become worse in health or physical condition

*synonym*: deteriorate, decline, decay

(1) **degenerate** into a disagreement, (2) **degenerate** into recession

The once-thriving city has **degenerated** into a crime-ridden slum.

## destroy

v. to ruin or damage severely or completely; to eradicate or eliminate completely

synonym: demolish, ruin, obliterate

- destroy the ecosystem, (2) destroyed evidence
   The building was destroyed in the fire and had to be rebuilt.
- v. to tie or fasten someone or something tightly with rope, string, etc. so that they cannot move or are held together strongly

synonym: tie, stick to, adhere

(1) **bind** the man's hands, (2) **bind** old letters into a bundle The company's rules **bind** the employee's working hours.

## 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

#### bind

## more transparent.

#### spare

adj. additional to what is necessary for ordinary use; (verb) to give time, money, space, etc. to someone

synonym: extra, excess, (verb) afford

(1) **spare** parts, (2) **spare** cost

I made plans to spend my **spare** time beneficially.

#### resolution

 a firm decision or determination to do or not do something; the action of solving a problem, dispute, or conflict; the quality of being resolved or determined; the clarity and sharpness of an image or display

synonym: determination, decision, settlement

(1) **resolution** of a conflict, (2) display **resolution** 

He made a New Year's **resolution** to exercise more and eat healthier.

#### collaborate

v. to work with someone else to produce or achieve something

synonym: cooperate, unite, get together

(1) **collaborate** with the police, (2) **collaborate** on a press release

She agreed to collaborate with him in creating new artwork.

#### commercialize

v. to make something available for sale or use on a large scale

synonym: monetize, capitalize, marketize

(1) **commercialize** my patents, (2) **commercialize** idea The company is trying to **commercialize** its new product.

start-up

- n. a newly established company or business
- (1) start-up business, (2) early-stage start-up

Our company's services are targeted at **start-up** executives.

## maze

 a complex network of winding passages or pathways designed as a puzzle or challenge for people to navigate through synonym: labyrinth, puzzle, network

(1) puzzle **maze**, (2) labyrinth **maze** 

We got lost in the **maze** of streets while exploring the city.

#### motivate

v. to make someone want to do something, especially something that requires tremendous work and effort

*synonym*: boost, encourage, inspire

(1) **motivate** the students, (2) all ability to **motivate** The ability to **motivate** people is a priceless asset.

## platform

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

synonym: stage, podium, forum

(1) an arrival **platform**, (2) a digital **platform** for enterprise The speaker mounted the **platform** and started to speak.

## eventually

adv. finally, particularly after a long time or a lot of struggle, complications, and so on

*synonym*: finally, someday, ultimately

(1) **eventually** become obsolete, (2) **eventually** succeed The corporation **eventually** dominated the entire tobacco business.

#### brute

 a violent, wild, or feral animal; a person who is cruel, uncivilized, or lacking in intelligence or sensitivity; a physical force or power

synonym: beast, savage, animal

(1) brute beasts, (2) brute force

The **brute** behavior of the football players caused the game to be canceled.

#### avenue

 a wide road in a town or city, especially with trees or tall buildings on both sides; a line of approach

synonym: artery, roadway, street

(1) an avenue of poplars, (2) an avenue to success

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They explored every **avenue** they could think of.

### mutation

 the way in which genes of a person, plant, animal, or other organism change and produce permanent differences

*synonym*: metamorphosis, transformation, alteration

(1) **mutation** of DNA, (2) hereditary **mutation**Radiation often promotes genetic **mutations** in plants and animals.

## recapitulate

- v. to summarize or repeat the main points of something synonym: summarize, repeat, restate
- (1) **recapitulate** briefly, (2) **recapitulate** a speech He **recapitulated** the main points of the meeting for those who had not been able to attend.

### outline

 to describe the main facts or aspects involved in something

synonym: recap, summarize, digest

(1) outlined the plan, (2) outline the findingsThis page outlines our response planning for an emergency.

## photosensitive

adj. sensitive or responsive to light, particularly in a scientific or medical context; referring to the ability to react to or be affected by light

synonym: photosensitive, light-sensitive, reactive

(1) **photosensitive** paper, (2) **photosensitive** reaction The **photosensitive** material must be stored in a dark room to prevent damage.

## cognitive

adj. of or relating to mental processes of understandingsynonym: perceivable, mind, mental

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

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

## neurotechnology

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

synonym: brain-machine interfaces, neural implants, neuroprosthetics

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

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

#### 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.

#### intractable

*adj.* difficult to manage or control; stubborn or obstinate *synonym*: obstinate, stubborn, unyielding

(1) **intractable** pain, (2) **intractable** situation The **intractable** problem defied a solution.

#### mention

- v. to speak or write about something or someone briefly synonym: reference, allude, cite
- (1) **mention** name, (2) **mention** in a report I **mentioned** to him that I had seen his sister at the grocery store earlier that day.

## implication

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

synonym: suggestion, association, conclusion

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

## specifically

adv. only associated with or meant for one thing

synonym: especially, particularly, notably

(1) designed **specifically** for men, (2) for **specifically** American customers

This ad campaign is aimed **specifically** at young women.

## impulse

 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.

## binary

- n. a system of numbers that uses only two digits, 0 and 1synonym: twofold, double
- a binary number, (2) trading in binary options
   binary star is a system in which two stars revolve around each other.

## augment

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

synonym: boost, increase, expand

(1) **augment** the reality, (2) **augment** immunity Economic factors and monetary policy **augmented** inflation.

## string

 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.

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

#### doe

 a mature female of mammals of which the male is called a buck, such as a deer or a rabbit

synonym: rabbit, bunny, hare

(1) doe rabbit, (2) buck and doe

Hunters use a whistle that makes the **doe** sound to lure stags.

#### download

v. to transfer data or files from the Internet or computer network to a user's computer or device; (noun) the process of transferring data or information from a remote or central computer to a local computer or device

synonym: load, save, transfer

(1) **download** files from the Internet, (2) **download** the assignment from the website

I need to **download** the latest update for my computer's operating system.

## upload

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

synonym: transfer, load up

(1) upload files, (2) upload documents to the portalI need to upload these pictures to my computer to edit them.

# **Session 2: Spelling**

1.	muon of DNA	n.	the way in which genes of a person, plant, animal, or other organism change and produce permanent differences
2.	vo imaging	adj.	alive or existing in a living organism or system; relating to or involving "live" organisms or systems, particularly in scientific research or experimentation
3.	baby with seve skin	adj.	able to notice slight changes, signals, or influences; able to feel or perceive other's feelings; susceptible to the things people say or do
4.	stup business	n.	a newly established company or business
5.	control my emn	n.	a strong feeling such as love, anger, etc. deriving from one's situation, mood, or relationships with others
6.	dee this modification	v.	to remove something, especially that has been written; to wipe out digitally or magnetically recorded information
7.	tote ambiguity	<i>v</i> .	to allow something to exist or happen, even if it is disliked or opposed
8.	learn new cots	n.	an idea or principle associated with something abstract
9.	Aler's risk factors	n.	a neurodegenerative disease that causes memory loss, cognitive decline, and behavioral issues; is the most common cause of dementia in older

ANSWERS: 1. mutation, 2. vivo, 3. sensitive, 4. start-up, 5. emotion, 6. delete, 7. tolerate, 8. concept, 9. Alzheimer

adults

10.	nen cell body	n.	a cell that is specialized to carry information within the brain and between the brain and other parts of the body
11.	platinum eldes	n.	either of two points or ends of a conductor at which electricity enters or leaves an object, substance, or region
12.	a strain of vis	n.	a tiny infectious organic material that causes disease in people, animals, and plants
13.	the bory between reality and fantasy	n.	a real or imaginary line that marks the limit or extent of something and separates it from other things or places
14.	peron 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
15.	amus amoeba	adj.	without a definite or clear shape or form; lacking a specific structure or organization; shapeless or formless
16.	implanted coa	n.	a spiral-shaped cavity in the inner ear that is responsible for hearing; it contains sensory hair cells that convert vibrations into electrical signals that are sent to the brain for interpretation
17.	coa spiral	n.	a spiral-shaped cavity in the inner ear that is responsible for hearing; it contains sensory hair cells that convert vibrations into electrical signals that are sent to the brain for interpretation

ANSWERS: 10. neuron, 11. electrode, 12. virus, 13. boundary, 14. perception, 15. amorphous, 16. cochlea, 17. cochlea

18.	a biy number	n.	a system of numbers that uses only two digits, 0 and 1
19.	dowam processing	adv.	in the direction that a stream or river flows; (adjective) in the direction of a stream's current
20.	afraid to show emn	n.	a strong feeling such as love, anger, etc. deriving from one's situation, mood, or relationships with others
21.	a heart see	n.	the action of taking something from somebody by the use of legal authority; a sudden occurrence or recurrence of a disease
22.	spe cost	adj.	additional to what is necessary for ordinary use; (verb) to give time, money, space, etc. to someone
23.	pat in the hospital	n.	a person who is receiving medical treatment, care, or attention from a healthcare professional, such as a doctor, nurse, or therapist; a personal quality or characteristic
24.	neI stem cells	adj.	of or relating to a nerve or the nervous system that includes the brain
25.	det smuggling across borders	v.	to find or recognize something, especially something difficult to see, hear, etc.
26.	exe the data studiously	ν.	to study or consider a person or object attentively and thoroughly to learn something about them
27.	fl_h eating	n.	the soft substance composing the body of a person or animal, as opposed to bones and other structures

ANSWERS: 18. binary, 19. downstream, 20. emotion, 21. seizure, 22. spare, 23. patient, 24. neural, 25. detect, 26. examine, 27. flesh

28.	an irrble change	adj.	impossible to change or return to a previous condition
29.	fuon 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
30.	reis treatment	n.	an inflammation of the retina (= the thin, light-sensitive tissue that lines the inside surface of the eye) which can cause decreased vision or possibly lead to blindness
31.	imt genes in the animals	v.	to insert or fix an artificial device in a person's body; to put an idea, attitude, etc., firmly in the mind
32.	maa lutea	n.	a small, oval-shaped area near the center of the retina of the eye, responsible for providing high-resolution vision
33.	synthetic fir	n.	thread or filament used to make a vegetable tissue, mineral material, or textile
34.	ime from criminal prosecution	adj.	protected against a particular disease or toxin due to the presence of specific antibodies or sensitized white blood cells

fiber, 34. immune

35.	incly cheerful character	adv.	in a way that is very difficult to believe; exceedingly or extremely
36.	improve cove function	adj.	of or relating to mental processes of understanding
37.	preal diagnosis	adj.	of or relating to the early phases of a disease when an accurate diagnosis is not possible because symptoms of the disease have not yet appeared; of or relating to the first stage of a medical education
38.	aste alcohol with gambling	ν.	to mentally connect someone or something with someone or something else
39.	toxic chals	adj.	relating to or connected with chemistry;
40.	inI a door	<i>v</i> .	to fix furniture, a machine, or a piece of equipment into position so that it can be used; put into an office or a position
41.	unon occurrence	adj.	not occurring or seen very often; rare
42.	the root problem of her depon	n.	a mental condition in which a person feels very unhappy and without hope for the future; a severe recession in an economy or market
43.	colte on a press release	<i>v</i> .	to work with someone else to produce or achieve something
44.	anng habit	adj.	making someone feel slightly angry
45.	oxygenic phosis	n.	the process through which plants and other organisms transform light energy into chemical energy, which is then released through cellular respiration to power the organism's activities.

ANSWERS: 35. incredibly, 36. cognitive, 37. preclinical, 38. associate, 39. chemical, 40. install, 41. uncommon, 42. depression, 43. collaborate, 44. annoying, 45. photosynthesis

46.	the Great Depon	n.	a mental condition in which a person feels very unhappy and without hope for the future; a severe recession in an economy or market
47.	an ave to success	n.	a wide road in a town or city, especially with trees or tall buildings on both sides; a line of approach
48.	stress prn	n.	a molecule made up of a long chain of amino acids, which is essential for the structure and function of the body's tissues
49.	LED-emed glass	adj.	fixed firmly into the surface of something
50.	see heat	adj.	extremely serious or bad in feeling, manner, or strict and harsh; extremely strong or vigorous
51.	establish his kim	n.	the country ruled by a king or queen
52.	a cote noun	adj.	existing in a physical or material form rather than an abstract one; based on facts rather than ideas or guesses; made of or covered with cement
53.	symbiotic fus	n.	a type of organism that includes yeasts, molds, and mushrooms, which are heterotrophic, meaning they do not produce their food and must consume organic matter to survive
54.	cultural pagm	n.	a standard or typical example of something; a pattern or model
55.	antagonism of done	n.	a chemical substance produced by nerve cells as a neurotransmitter; as a drug, it is used to treat shock and hypotension

ANSWERS: 46. depression, 47. avenue, 48. protein, 49. embedded, 50. severe, 51. kingdom, 52. concrete, 53. fungus, 54. paradigm, 55. dopamine

56.	unon talents	adj.	not occurring or seen very often; rare
57.	advanced neuogy	n.	technology or advancements in the field of neuroscience, often related to the study or manipulation of the brain or nervous system
58.	ene information	<i>v</i> .	to convert information into a code or format suitable for storage or transmission
59.	estimate pre costs	adj.	sharply exact or accurate or delimited
60.	stng therapy	n.	a behavior often exhibited by individuals on the autism spectrum characterized by repetitive bodily movements or sounds, such as hand flapping or rocking, often used as a form of self-regulation or sensory stimulation
61.	carbon fir	n.	thread or filament used to make a vegetable tissue, mineral material, or textile
62.	skin pit	n.	a substance that gives color to a material, such as paint, ink, or biologica tissue; often derived from natural sources or synthetically produced
63.	d_e rabbit	n.	a mature female of mammals of which the male is called a buck, such as a deer or a rabbit
64.	indnce ceremony	n.	freedom from another's or others' control or influence
65.	labyrinth me	n.	a complex network of winding passages or pathways designed as a puzzle or challenge for people to navigate through

ANSWERS: 56. uncommon, 57. neurotechnology, 58. encode, 59. precise, 60. stimming, 61. fiber, 62. pigment, 63. doe, 64. independence, 65. maze

66.	basic brn function	n.	the organ inside the head that is responsible for one's movement, thought, memory, and feeling
67.	ene data	v.	to convert information into a code or format suitable for storage or transmission
68.	coe the value	<i>v</i> .	to make a mathematical calculation
69.	brilliant flh	n.	a sudden intense burst of radiant energy; a momentary brightness
70.	three-fourths of a pod	n.	the standard unit of money in the UK; the standard unit of weight equal to 16 ounces
71.	an inI letter	adj.	of or happening at the beginning; (noun) the first letter of a word, especially a person's name
72.	death from shk	n.	a strong feeling or physical reaction to a sudden and unexpected event or experience, especially something unpleasant
73.	social dice	n.	the amount of space between two points, measured in units such as miles, meters, or kilometers; the extent, scope, or range between two things, such as distance or emotional distance
74.	zm in on a photo	v.	to move along very quickly; (noun) the act of rising upward into the air
75.	photosensitive rhin	n.	a light-sensitive protein found in the retina of the eye, responsible for vision in low-light conditions

ANSWERS: 66. brain, 67. encode, 68. compute, 69. flash, 70. pound, 71. initial, 72. shock, 73. distance, 74. zoom, 75. rhodopsin

76.	new opI 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
77.	men in a report	<i>v</i> .	to speak or write about something or someone briefly
78.	damage to the maa	n.	a small, oval-shaped area near the center of the retina of the eye, responsible for providing high-resolution vision
79.	heavy mary	n.	a group of large machines or the components of a machine that make it work; social institution functions or structure for doing something
80.	dI down the tension	v.	to adjust or set the controls of a machine or device by turning a controller called dial; (noun) a disc on a telephone that is rotated a fixed distance for each number called
81.	weakness with aty	n.	a decrease in size of a muscle, organ, etc., caused by disease or disuse
82.	mee a negotiation	ν.	to try to bring about an agreement or understanding between people who are in conflict
83.	aty of the muscles	n.	a decrease in size of a muscle, organ, etc., caused by disease or disuse
84.	cot car	n.	an idea or principle associated with something abstract

ANSWERS: 76. optical, 77. mention, 78. macula, 79. machinery, 80. dial, 81. atrophy, 82. mediate, 83. atrophy, 84. concept

85.	a civil ener	n.	a person whose job is designing, building, or maintaining something such as machines, structures, or software
86.	an eleal storm	adj.	relating to electricity
87.	elfy the audience	v.	to make a machine or system work by using electricity; to make someone extremely enthusiastic about or interested in something
88.	adt a bill	v.	to choose to follow something; to legally take a child from another family and care for them as if they were one's own
89.	mee allergic reaction	ν.	to try to bring about an agreement or understanding between people who are in conflict
90.	epsy seizure	n.	a neurological disorder characterized by recurrent seizures or convulsions, which can manifest in a variety of ways and be caused by various factors
91.	expnt design	n.	the scientific test conducted to observe what happens and gain new knowledge
92.	b_t on a race	ν.	to risk money on the result of an event or a competition, such as a race or game, to get more money; to have faith or confidence in something
93.	n_m of action	n.	something that is regarded as usual, typical, or standard
94.	cx a smile	ν.	to persuade, encourage, or gently urge someone to do something; to manipulate or persuade something to work or function properly

ANSWERS: 85. engineer, 86. electrical, 87. electrify, 88. adopt, 89. mediate, 90. epilepsy, 91. experiment, 92. bet, 93. norm, 94. coax

95. ready-made phes	n.	a group of words that mean something specific when used together
96. neI networks in AI	adj.	of or relating to a nerve or the nervous system that includes the brain
97. harmless baia	n.	single-celled or noncellular spherical or spiral or rod-shaped organisms that exist in large numbers in the air, water, and soil, and also in living and dead creatures and plants, and are often a cause of disease
98. alcohol adon	n.	the inability to stop using or doing something as a habit, especially something harmful
99. score an adge	n.	a condition or circumstance that puts one in a favorable or superior position; a beneficial feature or asset that someone or something has
100. take adge of his weak points	n.	a condition or circumstance that puts one in a favorable or superior position; a beneficial feature or asset that someone or something has
101. new dion	n.	a measurable extent of a particular kind, such as width, height, or length
102. stre 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
103. profound religious imes	n.	a sudden strong and unreflective wish or need to do something; the electrical discharge that travels along a nerve fiber

ANSWERS: 95. phrase, 96. neural, 97. bacteria, 98. addiction, 99. advantage, 100. advantage, 101. dimension, 102. structure, 103. impulse

- 104. blue al\_\_e
- 105. la\_\_r printer
- 106. de\_\_\_e a plan
- 107. d\_\_l up the volume
- 108. bl\_\_d spot
- 109. cl al surgery
- 110. in v o research
- 111. de yed evidence
- 112. a scientific di\_\_\_\_ry

- A simple plant that grows in or near water and lacks typical leaves and roots
- a device that emits powerful and narrow light that can be used as a tool to cut metal through a process of optical amplification
- v. to come up with an idea, plan, theory, etc., using your intelligence or imagination
- v. to adjust or set the controls of a machine or device by turning a controller called dial; (noun) a disc on a telephone that is rotated a fixed distance for each number called
- adj. unable to see; unable or unwilling to perceive or understand the true nature of something
- adj. of or relating to the examination and treatment of patients rather than theoretical or laboratory studies
- adj. alive or existing in a living organism or system; relating to or involving "live" organisms or systems, particularly in scientific research or experimentation
- to ruin or damage severely or completely; to eradicate or eliminate completely
- n. the act or process of finding information, a place, or an object, or learning about something that was previously not known

ANSWERS: 104. algae, 105. laser, 106. devise, 107. dial, 108. blind, 109. clinical, 110. vivo, 111. destroy, 112. discovery

113. cx a confession	<i>v</i> .	to persuade, encourage, or gently urge someone to do something; to manipulate or persuade something to work or function properly
114. small moles	n.	a group of two or more atoms held together by attractive forces known as chemical bonds
115. parallel comon	n.	the act or process of calculating something, especially an answer or amount, by using a machine or calculator
116. heht switch	n.	a bright forward-facing light on a vehicle, typically used at night to illuminate the road ahead
117. a subordinate kim	n.	the country ruled by a king or queen
118. neurotic syms	n.	any sensation or change in body or mind that is experienced by a patient and is associated with a particular disease
119. swim upam	adj.	in the direction against a stream's current; (adverb) toward the source or beginning of a stream, river, or process
120. aste with people widely	ν.	to mentally connect someone or something with someone or something else
121. bm of light	n.	a long, sturdy piece of timber, metal, or other material used to support a structure or span a distance; a ray or stream of light emitted by a source

ANSWERS: 113. coax, 114. molecule, 115. computation, 116. headlight, 117. kingdom, 118. symptom, 119. upstream, 120. associate, 121. beam

122. immune fuon	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
123. participate in clal trials	adj.	of or relating to the examination and treatment of patients rather than theoretical or laboratory studies
124. ener shortage	n.	a person whose job is designing, building, or maintaining something such as machines, structures, or software
125. the red for good works	n.	a thing given in acknowledgment of service, hard work, achievement, etc.
126. bre force	n.	a violent, wild, or feral animal; a person who is cruel, uncivilized, or lacking in intelligence or sensitivity; a physical force or power
127. a theoretical concept in neunce	n.	the scientific study of the function, structure, and disorder of the brain and the nervous system
128. exe the crowd	v.	to make someone feel suddenly enthusiastic or eager
129. the thld between rooms	n.	the floor or ground that forms the bottom of a doorway and offers support when passing through a doorway; the smallest detectable sensation

ANSWERS: 122. function, 123. clinical, 124. engineer, 125. reward, 126. brute, 127. neuroscience, 128. excite, 129. threshold

130. preal bone	adj.	in or about the foremost part of the frontal lobe of the brain
131. field of gene thy	n.	the act of caring for someone through medication, remedial training, etc.
132. grow in flh	n.	the soft substance composing the body of a person or animal, as opposed to bones and other structures
133. cote examples	adj.	existing in a physical or material form rather than an abstract one; based on facts rather than ideas or guesses; made of or covered with cement
134. cost of solar pals	n.	a square or rectangular and flat piece of something that forms a distinct section or component of something; a small group of specialists who discuss particular topics or give their advice or opinion about something
135. exe the issue	<i>v</i> .	to study or consider a person or object attentively and thoroughly to learn something about them
136. ID card	n.	a part of the psyche that represents the unconscious desires and instincts of an individual; in psychoanalytic theory, it is believed to be the most basic and primal part of the human psyche; (also ID, short for identification) a document or card that proves a person's identity, such as a driver's license, passport, or national ID card
137. the cell of the ime system	adj.	protected against a particular disease or toxin due to the presence of specific antibodies or sensitized white blood cells

ANSWERS: 130. prefrontal, 131. therapy, 132. flesh, 133. concrete, 134. panel, 135. examine, 136. id, 137. immune

138. int tumor growth	v.	to prevent something, such as an action, process, etc., from happening or make it less likely to happen than normal
139. have gec testing	adj.	of or relating to genes (= parts of the DNA in cells) or the science of genes
140. puzzle me	n.	a complex network of winding passages or pathways designed as a puzzle or challenge for people to navigate through
141. elde corrosion	n.	either of two points or ends of a conductor at which electricity enters or leaves an object, substance, or region
142. acte a receptor	<i>v</i> .	make something start working, more active or dynamic
143. tem industry	n.	(a shortened form of telecommunications) the communication of information over long distances through various means such as phones, television, radio, and the internet
144. avoid irrble damage	adj.	impossible to change or return to a previous condition
145. collaborate with coues	n.	one of a group of a coworker, especially in a profession or a business
146. elfy a manufacturing process	v.	to make a machine or system work by using electricity; to make someone extremely enthusiastic about or interested in something

ANSWERS: 138. inhibit, 139. genetic, 140. maze, 141. electrode, 142. activate, 143. telecom, 144. irreversible, 145. colleague, 146. electrify

the entire length of something, such as 147. the s n of a bird's wings n. time or space from beginning to end; the amount of space that something covers 148. up\_\_\_d files to transfer digital data or files from a ν. local computer or device to a remote server or network; the act of transferring such data or files 149. p\_\_e around the desk to push or prod with a sharp object or the finger to choose to follow something; to legally 150. ad tachild take a child from another family and care for them as if they were one's own 151. in I velocity adj. of or happening at the beginning; (noun) the first letter of a word, especially a person's name 152. an\_\_\_\_on studio the technique of photographing n. successive drawings or positions of puppets or models to create an illusion of movement when the film is shown as a sequence; enthusiasm and energy in the way you look or behave a response that reveals a person's 153. chemical re\_\_\_on n. feelings or attitude; (in chemistry) a process in which one or more substances are changed into others 154. re t against his way of thinking to take action in response to something ν. 155. retie the st\_\_g and make it strong long, thin material used for tying things n. together, composed of several twisted threads

ANSWERS: 147. span, 148. upload, 149. poke, 150. adopt, 151. initial, 152. animation, 153. reaction, 154. react, 155. string

156. financial indnce	n.	freedom from another's or others' control or influence
157. pathogenic baia	n.	single-celled or noncellular spherical or spiral or rod-shaped organisms that exist in large numbers in the air, water, and soil, and also in living and dead creatures and plants, and are often a cause of disease
158. a dyc market	adj.	having a lot of energy, ideas, and enthusiasm, and a strong personality; of or relating to dynamics (= the branch of physics and engineering concerned with the forces that cause motions of bodies)
159. gaon cyst	n.	a group of nerve cells located outside the brain and spinal cord, often forming a swelling or knot; responsible for controlling certain bodily functions or movements
160. pue waves	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
161. int desires	v.	to prevent something, such as an action, process, etc., from happening or make it less likely to happen than normal
162. inI a chairperson	v.	to fix furniture, a machine, or a piece of equipment into position so that it can be used; put into an office or a position

ANSWERS: 156. independence, 157. bacteria, 158. dynamic, 159. ganglion, 160. pulse, 161. inhibit, 162. install

163. mole behavior	n.	a group of two or more atoms held together by attractive forces known as chemical bonds
164. trrm heat into power	<i>v</i> .	to change in outward structure or looks;
165. conte to society	ν.	to give something, especially money or goods, to provide or achieve something together with other people
166. intle pain	adj.	difficult to manage or control; stubborn or obstinate
167. increase slly	adv.	in a small degree or extent; a little
168. comty theory	n.	the state or quality of being complicated or intricate and difficult to understand
169. pale energy	n.	a small piece of something; a word or piece of a term with grammatical function but little or no significance
170. short video cp	n.	a small metal or plastic device used for holding an object or objects together or in place; a short part of electronic media, either an audio clip or video clip
171. a comprehensive suy	n.	an investigation of the opinions, behavior, etc. of a particular group of people, made by asking people questions
172. a fronal share of the vote	n.	a small part or item forming a piece of a whole; the quotient of two rational numbers
173. coon disorder	n.	the psychological process of perception and learning and reasoning; the mental action or process by which knowledge and understanding are developed in the mind

ANSWERS: 163. molecule, 164. transform, 165. contribute, 166. intractable, 167. slightly, 168. complexity, 169. particle, 170. clip, 171. survey, 172. fraction, 173. cognition

174. shk-resistant	n.	a strong feeling or physical reaction to a sudden and unexpected event or experience, especially something unpleasant
175. hereditary muon	n.	the way in which genes of a person, plant, animal, or other organism change and produce permanent differences
176. go dowam in a boat	adv.	in the direction that a stream or river flows; (adjective) in the direction of a stream's current
177. sle a card across the table	<i>v</i> .	to move or cause to move smoothly along a surface without interruption
178. clinical pagy	n.	the study of the nature and cause of diseases and disorders; the medical specialty that deals with the diagnosis and treatment of diseases and disorders
179. a truncated pyd	n.	a polyhedron having a polygonal base and triangular sides with a common vertex; a massive monument with a square base and four triangular sides, begun by Cheops around 2700 BC as royal tombs in ancient Egypt
180. a fl_h of lightning	n.	a sudden intense burst of radiant energy; a momentary brightness
181. pay to understanding	n.	a track that constitutes or serves as a path; an approach or a way of doing something
182. a selfish deon	n.	the act or process of making up someone's mind about something; a choice or judgment reached after considering options

ANSWERS: 174. shock, 175. mutation, 176. downstream, 177. slide, 178. pathology, 179. pyramid, 180. flash, 181. pathway, 182. decision

184. charged pale  n. a small piece of something; a word or piece of a term with grammatical function but little or no significance  185. ovt hostility  adj. open, evident, or clear, especially in a way that is not intended to be secret  186. military stgy  n. a detailed plan of action designed to achieve a long-term or overall goal.  187. in ste condition  adj. firm and steady; not easily moved, disturbed, or changed  188. emed systems  adj. additional to what is necessary for ordinary use; (verb) to give time, money, space, etc. to someone  189. sp_e parts  n. the raised flat space close to the track at a train station where passengers get on or off the train; (technology) a computational or digital environment in which a piece of software is executed  191. amus mass  adj. without a definite or clear shape or form; lacking a specific structure or organization; shapeless or formless  192. evely succeed  adv. finally, particularly after a long time or a lot of struggle, complications, and so on  193. recent suy  n. an investigation of the opinions, behavior, etc. of a particular group of people, made by asking people questions	183. tie cp	n.	a small metal or plastic device used for holding an object or objects together or in place; a short part of electronic media, either an audio clip or video clip
way that is not intended to be secret  186. military stgy  n. a detailed plan of action designed to achieve a long-term or overall goal.  187. in ste condition  adj. firm and steady; not easily moved, disturbed, or changed  188. emed systems  adj. fixed firmly into the surface of something  189. spe parts  adj. additional to what is necessary for ordinary use; (verb) to give time, money, space, etc. to someone  190. an arrival plrm  n. the raised flat space close to the track at a train station where passengers get on or off the train; (technology) a computational or digital environment in which a piece of software is executed  191. amus mass  adj. without a definite or clear shape or form; lacking a specific structure or organization; shapeless or formless  192. evely succeed  adv. finally, particularly after a long time or a lot of struggle, complications, and so on  193. recent suy  n. an investigation of the opinions, behavior, etc. of a particular group of people, made by asking people	184. charged pale	n.	piece of a term with grammatical
achieve a long-term or overall goal.  187. in ste condition  adj. firm and steady; not easily moved, disturbed, or changed  188. emed systems  adj. fixed firmly into the surface of something  189. spe parts  adj. additional to what is necessary for ordinary use; (verb) to give time, money, space, etc. to someone  190. an arrival plrm  n. the raised flat space close to the track at a train station where passengers get on or off the train; (technology) a computational or digital environment in which a piece of software is executed  191. amus mass  adj. without a definite or clear shape or form; lacking a specific structure or organization; shapeless or formless  192. evely succeed  adv. finally, particularly after a long time or a lot of struggle, complications, and so on  193. recent suy  n. an investigation of the opinions, behavior, etc. of a particular group of people, made by asking people	185. ovt hostility	adj.	•
disturbed, or changed  188. emed systems  adj. fixed firmly into the surface of something  189. spe parts  adj. additional to what is necessary for ordinary use; (verb) to give time, money, space, etc. to someone  190. an arrival plrm  n. the raised flat space close to the track at a train station where passengers get on or off the train; (technology) a computational or digital environment in which a piece of software is executed  191. amus mass  adj. without a definite or clear shape or form; lacking a specific structure or organization; shapeless or formless  192. evely succeed  adv. finally, particularly after a long time or a lot of struggle, complications, and so on  193. recent suy  n. an investigation of the opinions, behavior, etc. of a particular group of people, made by asking people	186. military stgy	n.	
something  adj. additional to what is necessary for ordinary use; (verb) to give time, money, space, etc. to someone  190. an arrival plrm  n. the raised flat space close to the track at a train station where passengers get on or off the train; (technology) a computational or digital environment in which a piece of software is executed  191. amus mass  adj. without a definite or clear shape or form; lacking a specific structure or organization; shapeless or formless  192. evely succeed  adv. finally, particularly after a long time or a lot of struggle, complications, and so on  193. recent suy  n. an investigation of the opinions, behavior, etc. of a particular group of people, made by asking people	187. in ste condition	adj.	
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form; lacking a specific structure or organization; shapeless or formless  192. evely succeed  adv. finally, particularly after a long time or a lot of struggle, complications, and so on  193. recent suy  n. an investigation of the opinions, behavior, etc. of a particular group of people, made by asking people	190. an arrival plrm	n.	at a train station where passengers get on or off the train; (technology) a computational or digital environment in
lot of struggle, complications, and so on  193. recent suy  n. an investigation of the opinions, behavior, etc. of a particular group of people, made by asking people	191. amus mass	adj.	form; lacking a specific structure or
behavior, etc. of a particular group of people, made by asking people	192. evely succeed	adv.	• • •
	193. recent suy	n.	behavior, etc. of a particular group of people, made by asking people

ANSWERS: 183. clip, 184. particle, 185. overt, 186. strategy, 187. stable, 188. embedded, 189. spare, 190. platform, 191. amorphous, 192. eventually, 193. survey

n.	the act of defending oneself from an aggressor or refusing to accept something
n.	the quality of being complex, detailed, or highly involved; the existence of many interrelated parts or elements
n.	the real physical material of which a thing or person consist; the most important or main part of some idea or experience; an illegal drug
n.	a newly established company or business
n.	a thing given in acknowledgment of service, hard work, achievement, etc.
v.	to increase the size, extent, quantity, etc. of something by adding something to it
n.	(a shortened form of telecommunications) the communication of information over long distances through various means such as phones, television, radio, and the internet
adj.	containing a large number of people or something with little space between them
n.	a type of music that originated in the African-American community in the United States and that is characterized by improvisation, syncopated rhythms, and a strong emphasis on self-expression
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	n. n. n.

ANSWERS: 194. resistance, 195. intricacy, 196. substance, 197. start-up, 198. reward, 199. augment, 200. telecom, 201. dense, 202. jazz

203. pay upt	adj.	frank and honest; (adverb) (of payment) in advance
204. computer-conble	adj.	able to be controlled or directed
205. fus infection	n.	a type of organism that includes yeasts, molds, and mushrooms, which are heterotrophic, meaning they do not produce their food and must consume organic matter to survive
206. legal incy	n.	the quality of being complex, detailed, or highly involved; the existence of many interrelated parts or elements
207. buck and d_e	n.	a mature female of mammals of which the male is called a buck, such as a deer or a rabbit
208. upd documents to the portal	ν.	to transfer digital data or files from a local computer or device to a remote server or network; the act of transferring such data or files
209. cot fat into energy	<i>v</i> .	to have a talk with someone; (adjective) reversed in order, relation, or action
210. fate 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
211. sle a glance	<i>v</i> .	to move or cause to move smoothly along a surface without interruption
212. abal cells	adj.	not typical, usual, or regular, especially in a way that is bad

ANSWERS: 203. upfront, 204. controllable, 205. fungus, 206. intricacy, 207. doe, 208. upload, 209. convert, 210. fabricate, 211. slide, 212. abnormal

213. a trant lie	adj.	easy to perceive, detect, or understand; (of a material or article) permitting light to pass through freely
214. commercial phacal products	adj.	relating to the production and selling of the medical drugs
215. degte into recession	v.	(of a person, animal, or plant) to become worse in health or physical condition
216. trrm an education system	<i>v</i> .	to change in outward structure or looks;
217. schnia spectrum disorder	n.	a severe mental disorder in which a person has a distorted view of reality and may experience hallucinations, delusions, and disordered thinking and behavior
218. spinal gaon	n.	a group of nerve cells located outside the brain and spinal cord, often forming a swelling or knot; responsible for controlling certain bodily functions or movements
219. offer soe	n.	comfort or consolation in a time of distress, sadness, or disappointment; (verb) to comfort or console someone in a time of distress, loss, or suffering
220. a digital plrm for enterprise	n.	the raised flat space close to the track at a train station where passengers get on or off the train; (technology) a computational or digital environment in which a piece of software is executed
221. a structural bm of a building	n.	a long, sturdy piece of timber, metal, or other material used to support a structure or span a distance; a ray or stream of light emitted by a source

ANSWERS: 213. transparent, 214. pharmaceutical, 215. degenerate, 216. transform, 217. schizophrenia, 218. ganglion, 219. solace, 220. platform, 221. beam

222. talented phst	n.	a scientist who specializes in the field of physics
223. rey a scene	v.	to receive and pass something, such as information or a message, from one person or group to another; to broadcast something on television, radio, etc.
224. noun phe	n.	a group of words that mean something specific when used together
225. opI for intellectual growth	adj.	the best; most likely to be successful or advantageous
226. colte with the police	<i>v</i> .	to work with someone else to produce or achieve something
227. reson of a conflict	n.	a firm decision or determination to do or not do something; the action of solving a problem, dispute, or conflict; the quality of being resolved or determined; the clarity and sharpness of an image of display
228. bd the man's hands	<i>v</i> .	to tie or fasten someone or something tightly with rope, string, etc. so that they cannot move or are held together strongly
229. anon film	n.	the technique of photographing successive drawings or positions of puppets or models to create an illusion of movement when the film is shown as a sequence; enthusiasm and energy in the way you look or behave
230. a comed process	adj.	involving a lot of different things or parts in a way that is difficult to understand or analyze

ANSWERS: 222. physicist, 223. relay, 224. phrase, 225. optimal, 226. collaborate, 227. resolution, 228. bind, 229. animation, 230. complicated

231. epsy medication	n.	a neurological disorder characterized b recurrent seizures or convulsions, whic can manifest in a variety of ways and b caused by various factors
232. ener a crisis	v.	to face something, particularly something unpleasant or difficult, while attempting to do something else; to meet, especially unexpectedly
233. the id ego	n.	a part of the psyche that represents the unconscious desires and instincts of an individual; in psychoanalytic theory, it is believed to be the most basic and primal part of the human psyche; (also ID, short for identification) a document or card that proves a person's identity, such as a driver's license, passport, or national ID card
234. suce abuse problem	n.	the real physical material of which a thing or person consist; the most important or main part of some idea or experience; an illegal drug
235. high pain thld	n.	the floor or ground that forms the bottom of a doorway and offers support when passing through a doorway; the smallest detectable sensation
236. ovme opponents	v.	to succeed in controlling or dealing with something, such as a problem or difficulty; to defeat or overwhelm someone
237. tric event	adj.	relating to or caused by injury, especially emotional injury

ANSWERS: 231. epilepsy, 232. encounter, 233. id, 234. substance, 235. threshold, 236. overcome, 237. traumatic

238. dee forests	adj.	containing a large number of people or something with little space between them
239. eyt disease	n.	a rounded eyelike spot on an animal, as on the wings of some butterfly, or the tail of a peacock
240. upam direction	adj.	in the direction against a stream's current; (adverb) toward the source or beginning of a stream, river, or process
241. doad the assignment from the website	ν.	to transfer data or files from the Internet or computer network to a user's computer or device; (noun) the process of transferring data or information from a remote or central computer to a local computer or device
242. cit 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
243. schnia treatment	n.	a severe mental disorder in which a person has a distorted view of reality and may experience hallucinations, delusions, and disordered thinking and behavior
244. cell menes	n.	a soft, thin layer that forms animal or vegetable tissue
245. a two-dimensional ar_y	n.	a large group or collection of things or people, especially one that is impressive or attractive
246. pe a fire	ν.	to push or prod with a sharp object or the finger
ANOWEDO: 000 days - 000 assessed 04	0	atura ura 0.44 alazanda ad 0.40 ainazait

ANSWERS: 238. dense, 239. eyespot, 240. upstream, 241. download, 242. circuit, 243. schizophrenia, 244. membrane, 245. array, 246. poke

247. rea scanner	n.	the innermost light-sensitive membrane covering the back wall of the eyeball
248. prn synthesis	n.	a molecule made up of a long chain of amino acids, which is essential for the structure and function of the body's tissues
249. ay plan	adv.	in a wrong or crooked position; out of order; amiss
250. mistaken idty	n.	the fact of being who or what somebody or something is; the features, emotions, or ideas that distinguish persons from one another
251. designed spelly for men	adv.	only associated with or meant for one thing
252. soe in music	n.	comfort or consolation in a time of distress, sadness, or disappointment; (verb) to comfort or console someone in a time of distress, loss, or suffering
253. the att to rescue the hostages	n.	an act or effort of trying to do something, especially something difficult
254. incle amount	adj.	unbelievable; enormous
255. electronic dee	n.	a piece of equipment, tool, or technology that serves a particular purpose or function, often mechanical or electronic
256. the impon in a crime	n.	something that is inferred or indirectly stated; the act or fact of being involved in something

ANSWERS: 247. retina, 248. protein, 249. awry, 250. identity, 251. specifically, 252. solace, 253. attempt, 254. incredible, 255. device, 256. implication

257. a combative ime	n.	a sudden strong and unreflective wish or need to do something; the electrical discharge that travels along a nerve fiber
258. see of a debtor's property	n.	the action of taking something from somebody by the use of legal authority; a sudden occurrence or recurrence of a disease
259. cognitive comty	n.	the state or quality of being complicated or intricate and difficult to understand
260. zm lens	v.	to move along very quickly; (noun) the act of rising upward into the air
261. opI 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
262. the impon of a word	n.	something that is inferred or indirectly stated; the act or fact of being involved in something
263. at incle speed	adj.	unbelievable; enormous
264. sun a wellness lifestyle	v.	to supply enough of what somebody or something needs to survive or exist; to accept as valid
265. unh a hound	<i>v</i> .	to suddenly release a strong force, emotion, etc. that cannot be controlled
266. trigger a reon	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

ANSWERS: 257. impulse, 258. seizure, 259. complexity, 260. zoom, 261. optical, 262. implication, 263. incredible, 264. sustain, 265. unleash, 266. reaction

267. dis options	ν.	to talk about or examine in detail through conversation or debate; to exchange ideas, opinions, or information on a particular topic
268. recate briefly	<i>v</i> .	to summarize or repeat the main points of something
269. emal distress	adj.	relating to people's feelings
270. pit accumulation	n.	a substance that gives color to a material, such as paint, ink, or biological tissue; often derived from natural sources or synthetically produced
271. have a ste job	adj.	firm and steady; not easily moved, disturbed, or changed
272. an internal rey	n.	a successful way of dealing with or improving an unpleasant or difficult situation or curing an illness
273. photor cells	n.	a specialized cell in the retina of the eye that responds to light and enables vision; there are two types of photoreceptor cells - rods and cones - that are responsible for different aspects of vision
274. network thrut	n.	the amount of material or information that can be processed by a system or organization over a given period of time
275. b_t my future	v.	to risk money on the result of an event or a competition, such as a race or game, to get more money; to have faith or confidence in something

ANSWERS: 267. discuss, 268. recapitulate, 269. emotional, 270. pigment, 271. stable, 272. remedy, 273. photoreceptor, 274. throughput, 275. bet

276. optics 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
277. a mac spell	n.	beliefs and actions employed to influence supernatural beings and forces; any art or performance that invokes supernatural powers
278. a gec disorder	adj.	of or relating to genes (= parts of the DNA in cells) or the science of genes
279. optics 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
280. pulse lar	n.	a device that emits powerful and narrow light that can be used as a tool to cut metal through a process of optical amplification
281. meet with oppon	n.	the act of disagreeing or resisting; the state of strong disagreement
282. bd old letters into a bundle	<i>v</i> .	to tie or fasten someone or something tightly with rope, string, etc. so that they cannot move or are held together strongly
283. starry illion	n.	light or source of light; the degree of visibility of your environment
284. conte a large sum of money to the fund	v.	to give something, especially money or goods, to provide or achieve something together with other people

ANSWERS: 276. optogenetics, 277. magic, 278. genetic, 279. optogenetics, 280. laser, 281. opposition, 282. bind, 283. illumination, 284. contribute

285. die prevention	n.	a disorder or illness that affects the body or mind, often characterized by specific symptoms or abnormal functioning of organs or systems
286. theoretical phst	n.	a scientist who specializes in the field of physics
287. the files are in complete dier	n.	an untidy state or a lack of organization; a physical condition or illness that causes problems with how a section of the body or brain functions
288. a dry bay	n.	a device that is placed inside a car, gadget, equipment, etc. and that provides electrical power to them
289. former coue	n.	one of a group of a coworker, especially in a profession or a business
290. tric brain injury	adj.	relating to or caused by injury, especially emotional injury
291. major phacal companies	adj.	relating to the production and selling of the medical drugs
292. alte anxiety	ν.	to make something, usually pain, distress, or problem, less severe or intense; to ease or lighten a burden
293. posty of a major earthquake	n.	a chance that something may happen or be true
294. benign pagy	n.	the study of the nature and cause of diseases and disorders; the medical specialty that deals with the diagnosis and treatment of diseases and disorders

ANSWERS: 285. disease, 286. physicist, 287. disorder, 288. battery, 289. colleague, 290. traumatic, 291. pharmaceutical, 292. alleviate, 293. possibility, 294. pathology

to pinch or squeeze something sharply; 295. tw k the economy ν. to adjust something finely 296. disease ve\_\_\_r a quantity that has both magnitude and n. direction, often used in mathematics, physics, and engineering to describe forces, velocities, or other physical phenomena; any agent (person or animal, or microorganism) that carries and transmits a disease 297. tra\_\_\_\_nt crystal adj. easy to perceive, detect, or understand; (of a material or article) permitting light to pass through freely adj. open, evident, or clear, especially in a 298. ov t symptoms way that is not intended to be secret the outermost layer of an organ, 299. visual co\_\_\_x neuron especially the brain 300. id\_\_\_\_ty as an individual the fact of being who or what somebody n. or something is; the features, emotions, or ideas that distinguish persons from one another 301. telescopic vi n the ability to think about or see the future with imagination and intelligence; the faculty of being able to see 302. de\_\_\_t a bad event to find or recognize something, especially something difficult to see, hear, etc. 303. eq p our children with some to provide a person or a place with the things that are needed for a particular special skills

ANSWERS: 295. tweak, 296. vector, 297. transparent, 298. overt, 299. cortex, 300. identity, 301. vision, 302. detect, 303. equip

purpose or activity

304. dep a skill	v.	to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created
305. oued the plan	<i>v</i> .	to describe the main facts or aspects involved in something
306. decision-making prs	n.	a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products
307. thousands of pods	n.	the standard unit of money in the UK; the standard unit of weight equal to 16 ounces
308. pre analyses	adj.	sharply exact or accurate or delimited
309. ay hair	adv.	in a wrong or crooked position; out of order; amiss
310. cultural nm	n.	something that is regarded as usual, typical, or standard
311. nuclear mene	n.	a soft, thin layer that forms animal or vegetable tissue
312. deon authority	n.	the act or process of making up someone's mind about something; a choice or judgment reached after considering options

ANSWERS: 304. develop, 305. outline, 306. process, 307. pound, 308. precise, 309. awry, 310. norm, 311. membrane, 312. decision

313. a purple eyt	n.	a rounded eyelike spot on an animal, as on the wings of some butterfly, or the tail of a peacock
314. incate the enemy	v.	to disable or render someone or something unable to function or operate normally, either temporarily or permanently, often as a result of injury, illness, or damage
315. series of expnts	n.	the scientific test conducted to observe what happens and gain new knowledge
316. oveve imagination	adj.	excessively active; showing an excess of activity or energy
317. jz club	n.	a type of music that originated in the African-American community in the United States and that is characterized by improvisation, syncopated rhythms, and a strong emphasis on self-expression
318. phoive paper	adj.	sensitive or responsive to light, particularly in a scientific or medical context; referring to the ability to react to or be affected by light
319. abal heart rhythms	adj.	not typical, usual, or regular, especially in a way that is bad
320. tense piano stgs	n.	long, thin material used for tying things together, composed of several twisted threads
321. an upt tone	adj.	frank and honest; (adverb) (of payment) in advance

ANSWERS: 313. eyespot, 314. incapacitate, 315. experiment, 316. overactive, 317. jazz, 318. photosensitive, 319. abnormal, 320. string, 321. upfront

322. avt a strike	<i>v</i> .	to prevent something dangerous or undesirable from happening
323. ener a storm	ν.	to face something, particularly something unpleasant or difficult, while attempting to do something else; to meet, especially unexpectedly
324. indirect illion	n.	light or source of light; the degree of visibility of your environment
325. oveve thyroid	adj.	excessively active; showing an excess of activity or energy
326. pyd architecture	n.	a polyhedron having a polygonal base and triangular sides with a common vertex; a massive monument with a square base and four triangular sides, begun by Cheops around 2700 BC as royal tombs in ancient Egypt
327. cox cells	n.	the outermost layer of an organ, especially the brain
328. phoive reaction	adj.	sensitive or responsive to light, particularly in a scientific or medical context; referring to the ability to react to or be affected by light
329. the crosswise dion	n.	a measurable extent of a particular kind, such as width, height, or length
330. dis solutions	ν.	to talk about or examine in detail through conversation or debate; to exchange ideas, opinions, or information on a particular topic
331. comize my patents	<i>v</i> .	to make something available for sale or use on a large scale

ANSWERS: 322. avert, 323. encounter, 324. illumination, 325. overactive, 326. pyramid, 327. cortex, 328. photosensitive, 329. dimension, 330. discuss, 331. commercialize

332. become increasingly come	d <i>adj</i> .	involving a lot of different things or parts in a way that is difficult to understand or analyze
333. people with bipolar dier	n.	an untidy state or a lack of organization; a physical condition or illness that causes problems with how a section of the body or brain functions
334. imt into the uterus	v.	to insert or fix an artificial device in a person's body; to put an idea, attitude, etc., firmly in the mind
335. dee a file	v.	to remove something, especially that has been written; to wipe out digitally or magnetically recorded information
336. recate a speech	v.	to summarize or repeat the main points of something
337. doad files from the Internet	v.	to transfer data or files from the Internet or computer network to a user's computer or device; (noun) the process of transferring data or information from a remote or central computer to a local computer or device
338. ovme all difficulties	ν.	to succeed in controlling or dealing with something, such as a problem or difficulty; to defeat or overwhelm someone
339. bay charging	n.	a device that is placed inside a car, gadget, equipment, etc. and that provides electrical power to them
340. social coon	n.	the psychological process of perception and learning and reasoning; the mental action or process by which knowledge and understanding are developed in the mind

ANSWERS: 332. complicated, 333. disorder, 334. implant, 335. delete, 336. recapitulate, 337. download, 338. overcome, 339. battery, 340. cognition

341. preal safety evaluation	adj.	of or relating to the early phases of a disease when an accurate diagnosis is not possible because symptoms of the disease have not yet appeared; of or relating to the first stage of a medical education
342. an ary of troops	n.	a large group or collection of things or people, especially one that is impressive or attractive
343. workplace thrut	n.	the amount of material or information that can be processed by a system or organization over a given period of time
344. thy for a patient	n.	the act of caring for someone through medication, remedial training, etc.
345. syms of low testosterone	n.	any sensation or change in body or mind that is experienced by a patient and is associated with a particular disease
346. degree in eleal engineering	adj.	relating to electricity
347. a prodigious vin	n.	the ability to think about or see the future with imagination and intelligence; the faculty of being able to see
348. preal region	adj.	in or about the foremost part of the frontal lobe of the brain
349. comize idea	ν.	to make something available for sale or use on a large scale
350. a weak pue	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

ANSWERS: 341. preclinical, 342. array, 343. throughput, 344. therapy, 345. symptom, 346. electrical, 347. vision, 348. prefrontal, 349. commercialize, 350. pulse

351. resce movement	n.	the act of defending oneself from an aggressor or refusing to accept something
352. the branch of neunce	n.	the scientific study of the function, structure, and disorder of the brain and the nervous system
353. coe an average score	ν.	to make a mathematical calculation
354. an elte hat	adj.	containing a lot of carefully prepared and organized or many complicated and detailed parts
355. the sety of cold	n.	the quality or condition of being severe, strict, or harsh
356. inactive mary	n.	a group of large machines or the components of a machine that make it work; social institution functions or structure for doing something
357. mire camera	adj.	being on a very small scale
358. die control	n.	a disorder or illness that affects the body or mind, often characterized by specific symptoms or abnormal functioning of organs or systems
359. ale biofuel	n.	A simple plant that grows in or near water and lacks typical leaves and roots
360. real cells	n.	the innermost light-sensitive membrane covering the back wall of the eyeball
361. alte stress	v.	to make something, usually pain, distress, or problem, less severe or intense; to ease or lighten a burden

ANSWERS: 351. resistance, 352. neuroscience, 353. compute, 354. elaborate, 355. severity, 356. machinery, 357. miniature, 358. disease, 359. algae, 360. retina, 361. alleviate

362. an abct noun	adj.	based on general ideas, feelings, or qualities and not on any a physical or concrete existence
363. colion platform	n.	the act or situation of working together to create or produce something
364. oue the findings	ν.	to describe the main facts or aspects involved in something
365. dey the ecosystem	v.	to ruin or damage severely or completely; to eradicate or eliminate completely
366. done-inhibiting agent	n.	a chemical substance produced by nerve cells as a neurotransmitter; as a drug, it is used to treat shock and hypotension
367. cont the issue	<i>v</i> .	to face, meet or deal with a problem or difficult situation or person
368. evely become obsolete	adv.	finally, particularly after a long time or a lot of struggle, complications, and so or
369. a see case of pneumonia	adj.	extremely serious or bad in feeling, manner, or strict and harsh; extremely strong or vigorous
370. anng banner ad	adj.	making someone feel slightly angry
371. neuogy startup	n.	technology or advancements in the field of neuroscience, often related to the study or manipulation of the brain or nervous system
372. spread of the vis	n.	a tiny infectious organic material that causes disease in people, animals, and plants

ANSWERS: 362. abstract, 363. collaboration, 364. outline, 365. destroy, 366. dopamine, 367. confront, 368. eventually, 369. severe, 370. annoying, 371. neurotechnology, 372. virus

373.	process of phos	İS n.	the process through which plants and other organisms transform light energy into chemical energy, which is then released through cellular respiration to power the organism's activities.
374.	elte Ponzi scheme	adj.	containing a lot of carefully prepared and organized or many complicated and detailed parts
375.	Aler's brain	n.	a neurodegenerative disease that causes memory loss, cognitive decline, and behavioral issues; is the most common cause of dementia in older adults
376.	bld to the beauties	adj.	unable to see; unable or unwilling to perceive or understand the true nature of something
377.	eqp an army	v.	to provide a person or a place with the things that are needed for a particular purpose or activity
378.	colion between co	ompanies <i>n</i> .	the act or situation of working together to create or produce something
379.	the average life sn	n.	the entire length of something, such as time or space from beginning to end; the amount of space that something covers
380.	oppon campaign	n.	the act of disagreeing or resisting; the state of strong disagreement
381.	sun a good relationsh him	ip with v.	to supply enough of what somebody or something needs to survive or exist; to accept as valid

ANSWERS: 373. photosynthesis, 374. elaborate, 375. Alzheimer, 376. blind, 377. equip, 378. collaboration, 379. span, 380. opposition, 381. sustain

382. cot base 10 to base 16	ν.	to have a talk with someone; (adjective) reversed in order, relation, or action
383. damaged photor	n.	a specialized cell in the retina of the eye that responds to light and enables vision; there are two types of photoreceptor cells - rods and cones - that are responsible for different aspects of vision
384. she is mac	n.	beliefs and actions employed to influence supernatural beings and forces; any art or performance that invokes supernatural powers
385. major pagm shift	n.	a standard or typical example of something; a pattern or model
386. dep a strategy	ν.	to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created
387. a reckless att	n.	an act or effort of trying to do something, especially something difficult
388. federal cit courts	n.	(in electrical engineering) an electrical device that provides a path for electrical current to flow; a journey or route around a particular place or area
389. nate through a document	v.	to plan and direct the way that a ship, plane, etc. will travel, often by using a map

ANSWERS: 382. convert, 383. photoreceptor, 384. magic, 385. paradigm, 386. develop, 387. attempt, 388. circuit, 389. navigate

390. ade circumstances	adj.	unfavorable or harmful
391. fate an excuse	ν.	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
392. praly impossible parking spot	to find a adv.	almost or nearly
393. get incly insecure	adv.	in a way that is very difficult to believe; exceedingly or extremely
394. bre beasts	n.	a violent, wild, or feral animal; a person who is cruel, uncivilized, or lacking in intelligence or sensitivity; a physical force or power
395. the stre of a mac	hine <i>n</i> .	the way of construction of something and the arrangement of its parts, or a complex thing constructed of many parts
396. conble aircraft	adj.	able to be controlled or directed
397. seve documents	adj.	able to notice slight changes, signals, or influences; able to feel or perceive other's feelings; susceptible to the things people say or do
398. cellular signaling pa	_ys n.	a track that constitutes or serves as a path; an approach or a way of doing something
399. driving dice	n.	the amount of space between two points, measured in units such as miles, meters, or kilometers; the extent, scope, or range between two things, such as distance or emotional distance

ANSWERS: 390. adverse, 391. fabricate, 392. practically, 393. incredibly, 394. brute, 395. structure, 396. controllable, 397. sensitive, 398. pathway, 399. distance

400. emal health	adj.	relating to people's feelings
401. dyc person	adj.	having a lot of energy, ideas, and enthusiasm, and a strong personality; of or relating to dynamics (= the branch of physics and engineering concerned with the forces that cause motions of bodies)
402. high sety	n.	the quality or condition of being severe, strict, or harsh
403. for spelly American customers	adv.	only associated with or meant for one thing
404. degte into a disagreement	v.	(of a person, animal, or plant) to become worse in health or physical condition
405. trading in biy options	n.	a system of numbers that uses only two digits, 0 and 1
406. display reson	n.	a firm decision or determination to do or not do something; the action of solving a problem, dispute, or conflict; the quality of being resolved or determined; the clarity and sharpness of an image or display
407. intle situation	adj.	difficult to manage or control; stubborn or obstinate
408. praly constant	adv.	almost or nearly
409. permanent brn damage	n.	the organ inside the head that is responsible for one's movement, thought, memory, and feeling
410. keen peron	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

ANSWERS: 400. emotional, 401. dynamic, 402. severity, 403. specifically, 404. degenerate, 405. binary, 406. resolution, 407. intractable, 408. practically, 409. brain, 410. perception

411. abct science	adj.	based on general ideas, feelings, or qualities and not on any a physical or concrete existence
412. nate the Pacific	ν.	to plan and direct the way that a ship, plane, etc. will travel, often by using a map
413. ret at a high temperature	v.	to take action in response to something
414. aut the reality	<i>v</i> .	to increase the size, extent, quantity, etc. of something by adding something to it
415. an ave of poplars	n.	a wide road in a town or city, especially with trees or tall buildings on both sides; a line of approach
416. proic limbs	adj.	of or relating to an artificial part of the body, such as a limb, a heart, or a breast implant
417. all ability to mote	ν.	to make someone want to do something, especially something that requires tremendous work and effort
418. visual rhin	n.	a light-sensitive protein found in the retina of the eye, responsible for vision in low-light conditions
419. men name	<i>v</i> .	to speak or write about something or someone briefly
420. slly alkaline soils	adv.	in a small degree or extent; a little
421. posty for growth	n.	a chance that something may happen or be true
422. cont a global warming	<i>v</i> .	to face, meet or deal with a problem or difficult situation or person

ANSWERS: 411. abstract, 412. navigate, 413. react, 414. augment, 415. avenue, 416. prosthetic, 417. motivate, 418. rhodopsin, 419. mention, 420. slightly, 421. possibility, 422. confront

n.	a square or rectangular and flat piece of something that forms a distinct section or component of something; a small group of specialists who discuss particular topics or give their advice or opinion about something
ν.	to prevent something dangerous or undesirable from happening
n.	the act or process of calculating something, especially an answer or amount, by using a machine or calculator
n.	a real or imaginary line that marks the limit or extent of something and separates it from other things or places
adj.	relating to or connected with chemistry;
n.	a person who is receiving medical treatment, care, or attention from a healthcare professional, such as a doctor, nurse, or therapist; a personal quality or characteristic
ν.	to suddenly release a strong force, emotion, etc. that cannot be controlled
v.	to allow something to exist or happen, even if it is disliked or opposed
n.	the act or process of finding information a place, or an object, or learning about something that was previously not known
	v. n. adj. n. v.

ANSWERS: 423. panel, 424. avert, 425. computation, 426. boundary, 427. chemical, 428. patient, 429. unleash, 430. tolerate, 431. discovery

432. mote the students	v.	to make someone want to do something, especially something that requires tremendous work and effort
433. any for knowledge	n.	a feeling of worry, nervousness, or unease about something that is happening or might happen in the future
434. infectious reis	n.	an inflammation of the retina (= the thin, light-sensitive tissue that lines the inside surface of the eye) which can cause decreased vision or possibly lead to blindness
435. research on cove psychology	adj.	of or relating to mental processes of understanding
436. diagnosis of any disorder	n.	a feeling of worry, nervousness, or unease about something that is happening or might happen in the future
437. incate opponent	ν.	to disable or render someone or something unable to function or operate normally, either temporarily or permanently, often as a result of injury, illness, or damage
438. twk his cheek	<i>v</i> .	to pinch or squeeze something sharply; to adjust something finely
439. ade reaction	adj.	unfavorable or harmful
440. develop a stgy	n.	a detailed plan of action designed to achieve a long-term or overall goal.
441. rey for air pollution	n.	a successful way of dealing with or improving an unpleasant or difficult situation or curing an illness

ANSWERS: 432. motivate, 433. anxiety, 434. retinitis, 435. cognitive, 436. anxiety, 437. incapacitate, 438. tweak, 439. adverse, 440. strategy, 441. remedy

442. excite the nens	n.	a cell that is specialized to carry information within the brain and between the brain and other parts of the body
443. adon to foreign oil	n.	the inability to stop using or doing something as a habit, especially something harmful
444. rey a request	v.	to receive and pass something, such as information or a message, from one person or group to another; to broadcast something on television, radio, etc.
445. have proic arms	adj.	of or relating to an artificial part of the body, such as a limb, a heart, or a breast implant
446. heht adjustment	n.	a bright forward-facing light on a vehicle, typically used at night to illuminate the road ahead
447. autistic stng	n.	a behavior often exhibited by individuals on the autism spectrum characterized by repetitive bodily movements or sounds, such as hand flapping or rocking, often used as a form of self-regulation or sensory stimulation
448. acte a motor	ν.	make something start working, more active or dynamic
449. a numerator in a fron	n.	a small part or item forming a piece of a whole; the quotient of two rational numbers
450. prs improvement	n.	a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products

ANSWERS: 442. neuron, 443. addiction, 444. relay, 445. prosthetic, 446. headlight, 447. stimming, 448. activate, 449. fraction, 450. process

451. exe rebellion	<i>v</i> .	to make someone feel suddenly enthusiastic or eager
452. mire version	adj.	being on a very small scale
453. a ver operation	n.	a quantity that has both magnitude and direction, often used in mathematics, physics, and engineering to describe forces, velocities, or other physical phenomena; any agent (person or animal, or microorganism) that carries and transmits a disease
454. achieve opI health	adj.	the best; most likely to be successful or advantageous
455. dee a literary plot	v.	to come up with an idea, plan, theory, etc., using your intelligence or imagination
456. tracking dee	n.	a piece of equipment, tool, or technology that serves a particular purpose or function, often mechanical

ANSWERS: 451. excite, 452. miniature, 453. vector, 454. optimal, 455. devise, 456. device

or electronic

## **Session 3: Fill in the Blanks**

1.	The car's front bumper cost fifteen hundred
n.	the standard unit of money in the UK; the standard unit of weight equal to 16 ounces
2.	An climate in the region caused a sharp decline in grain harvest.
adj.	not typical, usual, or regular, especially in a way that is bad
3.	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
4.	The vaccination does not necessarily make you completely
adj.	protected against a particular disease or toxin due to the presence of specific antibodies or sensitized white blood cells
5.	The will repair my telephone tomorrow morning.
n.	a person whose job is designing, building, or maintaining something such as machines, structures, or software
6.	The president asked for a more plan.
adj.	existing in a physical or material form rather than an abstract one; based on facts rather than ideas or guesses; made of or covered with cement
7.	He slightly modified the of training because it was just before a match.
n.	the entire length of something, such as time or space from beginning to end; the amount of space that something covers
ANS 7. s	SWERS: 1. pounds, 2. abnormal, 3. abstract, 4. immune, 5. engineer, 6. concrete pan

8.	The project's made it difficult for the team to complete it on time.
n.	the state or quality of being complicated or intricate and difficult to understand
9.	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
10.	The doctor diagnosed him with a rare that had no known cure.
n.	a disorder or illness that affects the body or mind, often characterized by specific symptoms or abnormal functioning of organs or systems
11.	We must a new system to streamline our workflow and increase efficiency.
v.	to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created
12.	He got an electric at work.
n.	a strong feeling or physical reaction to a sudden and unexpected event or experience, especially something unpleasant
13.	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
14.	The teacher had to a disagreement between two students over a stolen pencil.
v.	to try to bring about an agreement or understanding between people who are in conflict
	WERS: 8. complexity, 9. optogenetics, 10. disease, 11. develop, 12. shock, 13. cture, 14. mediate

15.	The software can and decode encrypted messages.
v.	to convert information into a code or format suitable for storage or transmission
16.	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
17.	I forgot my at home and needed it to enter the club.
n.	a part of the psyche that represents the unconscious desires and instincts of an individual; in psychoanalytic theory, it is believed to be the most basic and primal part of the human psyche; (also ID, short for identification) a document or card that proves a person's identity, such as a driver's license, passport, or national ID card
18.	The construction company the building with an earthquake-resistant device.
<i>v</i> .	to provide a person or a place with the things that are needed for a particular purpose or activity
19.	Radiation often promotes genetic in plants and animals.
n.	the way in which genes of a person, plant, animal, or other organism change and produce permanent differences
20.	Customs have made their biggest ever of cocaine.
n.	the action of taking something from somebody by the use of legal authority; a sudden occurrence or recurrence of a disease
21.	The sun's shone through the window and illuminated the room.
n.	a long, sturdy piece of timber, metal, or other material used to support a structure or span a distance; a ray or stream of light emitted by a source
	SWERS: 15. encode, 16. transparent, 17. ID, 18. equipped, 19. mutations, 20. zure, 21. beam

	and informative for accurate or delimited	ior me.	
23. He back	in time to the soccer gai	me.	
v. to move along	very quickly; (noun) the a	act of rising upward	into the air
24. He was very	with him about his	intentions.	
adj. frank and hone	est; (adverb) (of payment	) in advance	
	for the store to have suc r seen very often; rare	ch a big sale.	
	are responsible f	for color vision.	
vision; there ar	ell in the retina of the eye e two types of photorece different aspects of vision	eptor cells - rods and	
27. Government wor	kers cannot	_ to political campaiç	gns.
v. to give someth together with o	ing, especially money or ther people	goods, to provide or	r achieve something
28. The doctor susp Alzheimer's dise	ected that the patient wa ase.	s in the	_ stage of
not possible be	the early phases of a discause symptoms of the circuit stage of a medical ed	disease have not ye	•
29. My father's deatl	n my life c	ompletely.	
v. to change in ou	utward structure or looks	• ,	
•	cise, 23. zoomed, 24. upt reclinical, 29. transforme		n, 26. photoreceptors

30.	The company is investing heavily in research and development.
adj	in the direction against a stream's current; (adverb) toward the source or beginning of a stream, river, or process
31.	The company's rules the employee's working hours.
ν.	to tie or fasten someone or something tightly with rope, string, etc. so that they cannot move or are held together strongly
32.	He postulated a completely different to explain all these phenomena.
n.	a standard or typical example of something; a pattern or model
33.	Our company's services are targeted at executives.
n.	a newly established company or business
34.	She tried to her cat out of the tree with a can of tuna.
v.	to persuade, encourage, or gently urge someone to do something; to manipulate or persuade something to work or function properly
35.	He made a New Year's to exercise more and eat healthier.
n.	a firm decision or determination to do or not do something; the action of solving a problem, dispute, or conflict; the quality of being resolved or determined; the clarity and sharpness of an image or display
36.	She struggled to the children's reading habits.
<i>v</i> .	to supply enough of what somebody or something needs to survive or exist; to accept as valid
37.	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
	SWERS: 30. upstream, 31. bind, 32. paradigm, 33. start-up, 34. coax, 35. olution, 36. sustain, 37. discovery

38.	There is nothing more valuable than	and freedom.
n.	freedom from another's or others' control or influen	ce
39.	He the phone number and waited for an ans	wer.
ν.	to adjust or set the controls of a machine or device dial; (noun) a disc on a telephone that is rotated a fumber called	, ,
40.	The company holds patents on core components of	jet printers.
n.	a device that emits powerful and narrow light that ometal through a process of optical amplification	an be used as a tool to cut
41.	She's on the of adulthood.	
n.	the floor or ground that forms the bottom of a doorway; the smallest detectable	
42.	The chip in my credit card allows me to m	ake contactless payments.
adj	fixed firmly into the surface of something	
43.	The of getting the disease will drastical	ally increase.
n.	a chance that something may happen or be true	
44.	The shape of the DNA is a double helix.	
n.	a group of two or more atoms held together by attrachemical bonds	active forces known as
45.	The ability to people is a priceless asset.	
v.	to make someone want to do something, especially tremendous work and effort	something that requires
	SWERS: 38. independence, 39. dialed, 40. laser, 41. possibility, 44. molecule, 45. motivate	threshold, 42. embedded,

46. The phone call is an interruption.
adj. making someone feel slightly angry
47. How did he to your idea?
v. to take action in response to something
48. One such rapidly growing is quantum cryptography.
n. an idea or principle associated with something abstract
49. I want to my sadness into strength.
v. to have a talk with someone; (adjective) reversed in order, relation, or action
50. These heavy rains caused floods on several islands.
n. a sudden intense burst of radiant energy; a momentary brightness
51. He performed tricks with sophisticated moves.
<ul> <li>beliefs and actions employed to influence supernatural beings and forces; a art or performance that invokes supernatural powers</li> </ul>
52. Excessive parental interference may children's eagerness to learn.
v. to prevent something, such as an action, process, etc., from happening or make it less likely to happen than normal
53. The partnership program requires a mutual between both agencies.
n. the act or situation of working together to create or produce something
54. She gave money to help set up a laboratory.
adj. relating to the production and selling of the medical drugs
ANSWERS: 46. annoying, 47. react, 48. concept, 49. convert, 50. flash, 51. magic 52. inhibit, 53. collaboration, 54. pharmaceutical

55.	. My car'sr	must be replaced l	pefore I drive again at ni	ght.
n.	a bright forward-faci road ahead	ng light on a vehic	cle, typically used at nigh	nt to illuminate the
56.	Damage to the	can cause hea	ring loss or deafness.	
n.	•	at convert vibratio	that is responsible for h ns into electrical signals	•
57.	. I'm prepared to	challenges	throughout this adventu	e.
v.	O . 1	•	ing unpleasant or difficuet, especially unexpect	•
58.	. She was struggling to	make a	_ between two job offers	<b>3.</b>
n.	the act or process o judgment reached a	• .	one's mind about somet otions	hing; a choice or
59.	. The skylight will give	adequate	from above.	
n.	light or source of light	ht; the degree of v	isibility of your environm	ent
60.	. He did complicated po	en-and-ink drawin	gs like medieval	·
adj	lj. being on a very sma	all scale		
61.	. She waited for her da	ughter with		
n.	a feeling of worry, no or might happen in t		ease about something tl	nat is happening
62.	. Wild animals need to	go forward with th	e action to sur	vive.
adj	ij. the best; most likely	to be successful of	or advantageous	
	ISWERS: 55. headlight . miniatures, 61. anxiet		encounter, 58. decision	, 59. illumination,

63.	The body needs a certain amount of to build and repair tissues.
n.	a molecule made up of a long chain of amino acids, which is essential for the structure and function of the body's tissues
64.	has jammed the inlet to the water turbine.
n.	A simple plant that grows in or near water and lacks typical leaves and roots
65.	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
66.	Taking ibuprofen can the pain from a headache.
v.	to make something, usually pain, distress, or problem, less severe or intense; to ease or lighten a burden
67.	The problem defied a solution.
adj	difficult to manage or control; stubborn or obstinate
68.	The new software is much more and user-friendly.
adj	able to be controlled or directed
69.	We need to the next steps for the project during our meeting tomorrow.
v.	to talk about or examine in detail through conversation or debate; to exchange ideas, opinions, or information on a particular topic
70.	The flashing lights at the concert triggered her and caused a seizure.
n.	a neurological disorder characterized by recurrent seizures or convulsions, which can manifest in a variety of ways and be caused by various factors
	SWERS: 63. protein, 64. Algae, 65. function, 66. alleviate, 67. intractable, 68. strollable, 69. discuss, 70. epilepsy

71. Certain types of can be toxic to humans, causing severe illness if ingested.
n. a type of organism that includes yeasts, molds, and mushrooms, which are heterotrophic, meaning they do not produce their food and must consume organic matter to survive
72. We can calculate the position of the statistically.
<ul> <li>a small piece of something; a word or piece of a term with grammatical function but little or no significance</li> </ul>
73. He is now fighting his to drugs.
n. the inability to stop using or doing something as a habit, especially something harmful
74. The clouded jellyfish has an shape, making it difficult to identify.
adj. without a definite or clear shape or form; lacking a specific structure or organization; shapeless or formless
75. Research shows that damage to the cortex leads to increased aggression.
adj. in or about the foremost part of the frontal lobe of the brain
76. There are several treatment options available for patients with disorders.
<ul> <li>a small, oval-shaped area near the center of the retina of the eye, responsible for providing high-resolution vision</li> </ul>
77. The report showed no signs of cancer, giving her family a sense of relief.
n. the study of the nature and cause of diseases and disorders; the medical specialty that deals with the diagnosis and treatment of diseases and disorders
ANSWERS: 71. fungus, 72. particles, 73. addiction, 74. amorphous, 75. prefrontal, 76. macula-related, 77. pathology

78.	The material must be stored in a dark room to prevent
	damage.
adj.	sensitive or responsive to light, particularly in a scientific or medical context; referring to the ability to react to or be affected by light
79.	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
80.	Initially, we must all project-related expenses.
v.	to study or consider a person or object attentively and thoroughly to learn something about them
81.	By remaining neutral, this continued to exist.
n.	the country ruled by a king or queen
	The medication caused an immune system, resulting in adverse side effects.
adj.	excessively active; showing an excess of activity or energy
	The party strongly disagreed with the government's proposed legislation.
n.	the act of disagreeing or resisting; the state of strong disagreement
84.	The of the drought was a major concern for farmers.
n.	the quality or condition of being severe, strict, or harsh
85.	He moved his body to the left.
adv	in a small degree or extent; a little
	SWERS: 78. photosensitive, 79. identity, 80. examine, 81. kingdom, 82. ractive, 83. opposition, 84. severity, 85. slightly

86. 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
87. The company is planning to launch a new smartphone next month.
<ul> <li>(a shortened form of telecommunications) the communication of information over long distances through various means such as phones, television, radio, and the internet</li> </ul>
88. 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
89. This page our response planning for an emergency.
v. to describe the main facts or aspects involved in something
90. Actuators convert pulses into motion.
adj. relating to electricity
91. 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
92. I decided to seek counseling on the advice of my
n. one of a group of a coworker, especially in a profession or a business
93. The security camera has four intruders.
v. to find or recognize something, especially something difficult to see, hear, etc.
ANSWERS: 86. genetic, 87. telecom, 88. complicated, 89. outlines, 90. electrical, 91. optical, 92. colleague, 93. detected

94.	We must consume dietary to maintain good health.
n.	thread or filament used to make a vegetable tissue, mineral material, or textile
95.	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
96.	Driving is difficult for me because of my poor
n.	the ability to think about or see the future with imagination and intelligence; the faculty of being able to see
97.	I tried to the efficiency of the investment.
<i>v</i> .	to make a mathematical calculation
98.	The patient displays a of a side effect.
n.	any sensation or change in body or mind that is experienced by a patient and is associated with a particular disease
99.	That shows that people are accepting the tax increase to some extent.
n.	an investigation of the opinions, behavior, etc. of a particular group of people, made by asking people questions
100	. The researcher demonstrated the superiority of quantum in several mathematical tasks.
n.	the act or process of calculating something, especially an answer or amount, by using a machine or calculator
101	. This ad campaign is aimed at young women.
adv	only associated with or meant for one thing
	SWERS: 94. fiber, 95. dopamine, 96. vision, 97. compute, 98. symptom, 99. vey, 100. computation, 101. specifically

102.	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
103.	The for applying for a visa can be lengthy and complicated.
n.	a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products
104.	When the first molecule in the receives a signal, it activates other molecules.
n.	a track that constitutes or serves as a path; an approach or a way of doing something
105.	I can't spicy food, and it always gives me heartburn
<i>v</i> .	to allow something to exist or happen, even if it is disliked or opposed
106.	A of economic advisers from the United States visited the country to help rebuild its economy.
n.	a square or rectangular and flat piece of something that forms a distinct section or component of something; a small group of specialists who discuss particular topics or give their advice or opinion about something
107.	The use of synthetic in food production has become controversial due to health concerns.
n.	a substance that gives color to a material, such as paint, ink, or biological tissue; often derived from natural sources or synthetically produced
108.	The plans for the surprise party went when the cake was ruined.
adv.	in a wrong or crooked position; out of order; amiss
	WERS: 102. impulses, 103. process, 104. pathway, 105. tolerate, 106. panel, pigments, 108. awry

109.	She agreed to with him in creating new artwork.
v.	to work with someone else to produce or achieve something
110.	I always carry a backup in case my phone runs out of battery.
n.	a piece of equipment, tool, or technology that serves a particular purpose or function, often mechanical or electronic
111.	The grieving widow found in reading her late husband's letters.
n.	comfort or consolation in a time of distress, sadness, or disappointment; (verb to comfort or console someone in a time of distress, loss, or suffering
112.	The doctor will a pacemaker to regulate his heart rate.
<i>v</i> .	to insert or fix an artificial device in a person's body; to put an idea, attitude, etc., firmly in the mind
113.	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
114.	The mosquito is a common for many diseases, including malaria and Zika.
	a quantity that has both magnitude and direction, often used in mathematics, physics, and engineering to describe forces, velocities, or other physical phenomena; any agent (person or animal, or microorganism) that carries and transmits a disease
115.	We got lost in the of streets while exploring the city.
n.	a complex network of winding passages or pathways designed as a puzzle or challenge for people to navigate through
	WERS: 109. collaborate, 110. device, 111. solace, 112. implant, 113. oscience, 114. vector, 115. maze

116.	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
117.	Loud noises might harm the fragile ear
n.	a soft, thin layer that forms animal or vegetable tissue
118.	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
119.	He didn't the plan, even though he had time.
<i>v</i> .	to pinch or squeeze something sharply; to adjust something finely
120.	You must the software with a 16-digit key before you can use it.
<i>v</i> .	make something start working, more active or dynamic
121.	This drug will be a good for your stomach trouble.
n.	a successful way of dealing with or improving an unpleasant or difficult situation or curing an illness
122.	A star is a system in which two stars revolve around each other.
n.	a system of numbers that uses only two digits, 0 and 1
123.	Her response revealed idiocy.
adj.	unbelievable; enormous
124. n.	The behavior of the football players caused the game to be canceled. a violent, wild, or feral animal; a person who is cruel, uncivilized, or lacking in intelligence or sensitivity; a physical force or power
	WERS: 116. neuron, 117. membrane, 118. pulse, 119. tweak, 120. activate, 121. edy, 122. binary, 123. incredible, 124. brute

125.	The dam systematically releases large amounts of water to flooding during the rainy season
<i>v</i> .	to prevent something dangerous or undesirable from happening
126.	The sprinter has a way of running.
adj.	having a lot of energy, ideas, and enthusiasm, and a strong personality; of or relating to dynamics (= the branch of physics and engineering concerned with the forces that cause motions of bodies)
127.	The doctor carefully examined the medical history.
n.	a person who is receiving medical treatment, care, or attention from a healthcare professional, such as a doctor, nurse, or therapist; a personal quality or characteristic
128.	The patient's was causing severe pain in their wrist.
n.	a group of nerve cells located outside the brain and spinal cord, often forming a swelling or knot; responsible for controlling certain bodily functions or movements
129.	The third was far more successful.
n.	an act or effort of trying to do something, especially something difficult
130.	The cerebral consists of six layers.
n.	the outermost layer of an organ, especially the brain
131.	The systems we have developed has accepted as industry
n.	something that is regarded as usual, typical, or standard
132.	His faculties were getting worse because of a lack of sleep.
adj.	of or relating to mental processes of understanding
	WERS: 125. avert, 126. dynamic, 127. patient's, 128. ganglion, 129. attempt, cortex, 131. norms, 132. cognitive

133.	Damage to the may play a role in the development of glaucoma.
n.	the innermost light-sensitive membrane covering the back wall of the eyeball
134.	Relations between the two countries have been relatively due to the summit meeting.
adj.	firm and steady; not easily moved, disturbed, or changed
135.	The Egyptian consist of a vast number of blocks.
n.	a polyhedron having a polygonal base and triangular sides with a common vertex; a massive monument with a square base and four triangular sides, begun by Cheops around 2700 BC as royal tombs in ancient Egypt
136.	prevalent in hospitals are often resistant to antibiotics.
n.	single-celled or noncellular spherical or spiral or rod-shaped organisms that exist in large numbers in the air, water, and soil, and also in living and dead creatures and plants, and are often a cause of disease
137.	The building was in the fire and had to be rebuilt.
ν.	to ruin or damage severely or completely; to eradicate or eliminate completely
138.	Einstein was an outstanding and famous of the 20th century.
n.	a scientist who specializes in the field of physics
139.	The firm has grown into a large manufacturing.
adj.	relating to or connected with chemistry;
140.	Daily exercise and adequate sleep are necessary to prevent the progression of
n.	a decrease in size of a muscle, organ, etc., caused by disease or disuse
	WERS: 133. retina, 134. stable, 135. pyramids, 136. Bacteria, 137. destroyed, physicist, 139. chemical, 140. atrophy

141.	The bill to increase the consumption tax had passed despite much from the public.
n.	the act of defending oneself from an aggressor or refusing to accept something
142.	The teacher is very to children's feelings.
adj.	able to notice slight changes, signals, or influences; able to feel or perceive other's feelings; susceptible to the things people say or do
143.	The news of her promotion her.
<i>v</i> .	to make someone feel suddenly enthusiastic or eager
144.	Our knowledge helps our clients successfully.
<i>v</i> .	to plan and direct the way that a ship, plane, etc. will travel, often by using a map
145.	The doctor prescribed some medicine for the mental
n.	an untidy state or a lack of organization; a physical condition or illness that causes problems with how a section of the body or brain functions
146.	I made plans to spend my time beneficially.
adj.	additional to what is necessary for ordinary use; (verb) to give time, money, space, etc. to someone
147.	If necessary, you can the front seats forward.
<i>v</i> .	to move or cause to move smoothly along a surface without interruption
148.	I need to these pictures to my computer to edit them.
v.	to transfer digital data or files from a local computer or device to a remote server or network; the act of transferring such data or files
	WERS: 141. resistance, 142. sensitive, 143. excited, 144. navigate, 145. rder, 146. spare, 147. slide, 148. upload

149.	We bought a Spanish book.
n.	a group of words that mean something specific when used together
150.	The company is trying to its new product.
v.	to make something available for sale or use on a large scale
	My grandmother has disease requires special care and attention from her caregivers.
n.	a neurodegenerative disease that causes memory loss, cognitive decline, and behavioral issues; is the most common cause of dementia in older adults
152.	The speaker mounted the and started to speak.
n.	the raised flat space close to the track at a train station where passengers get on or off the train; (technology) a computational or digital environment in which a piece of software is executed
153.	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
154.	The corporation dominated the entire tobacco business.
adv.	finally, particularly after a long time or a lot of struggle, complications, and so on
155.	In plants use carbon dioxide to feed themselves.
n.	the process through which plants and other organisms transform light energy into chemical energy, which is then released through cellular respiration to power the organism's activities.
	WERS: 149. phrase, 150. commercialize, 151. Alzheimer's, 152. platform, 153. eption, 154. eventually, 155. photosynthesis,

156.	The detective discovered that the witness had her story about the crime.
ν.	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
157.	The senator received criticism from his opponent.
adj.	extremely serious or bad in feeling, manner, or strict and harsh; extremely strong or vigorous
158.	He wandered the between life and death by gunfire.
n.	a real or imaginary line that marks the limit or extent of something and separates it from other things or places
159.	The clockwork mechanism of the antique watch showed incredible
n.	the quality of being complex, detailed, or highly involved; the existence of many interrelated parts or elements
160.	Human responses vary widely depending on the society to which they belong.
adj.	relating to people's feelings
161.	He listened to music to relax after a long day at work.
n.	a type of music that originated in the African-American community in the United States and that is characterized by improvisation, syncopated rhythms, and a strong emphasis on self-expression
162.	The of audit formally issued a business improvement order.
n.	a group of large machines or the components of a machine that make it work; social institution functions or structure for doing something
	WERS: 156. fabricated, 157. severe, 158. boundary, 159. intricacy, 160. tional, 161. jazz, 162. machinery

163.	The entire mountain is covered in rainforest.
adj.	containing a large number of people or something with little space between them
164.	The professor focused on the research of infant
n.	the psychological process of perception and learning and reasoning; the mental action or process by which knowledge and understanding are developed in the mind
165.	I need to the latest update for my computer's operating system.
<i>v</i> .	to transfer data or files from the Internet or computer network to a user's computer or device; (noun) the process of transferring data or information from a remote or central computer to a local computer or device
166.	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
	The weather conditions forced us to cancel the outdoor event. unfavorable or harmful
168.	There was a disturbance of function.
	of or relating to a nerve or the nervous system that includes the brain
169.	They explored every they could think of.
n.	a wide road in a town or city, especially with trees or tall buildings on both sides; a line of approach
170.	The engine did not start because the was flat.
n.	a device that is placed inside a car, gadget, equipment, etc. and that provides electrical power to them
	WERS: 163. dense, 164. cognition, 165. download, 166. emotions, 167. adverse neural, 169. avenue, 170. battery

171.	The new president was immediately after the national election.
v.	to fix furniture, a machine, or a piece of equipment into position so that it can be used; put into an office or a position
172.	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
173.	The national assembly has the budget.
v.	to choose to follow something; to legally take a child from another family and care for them as if they were one's own
174.	He proposed an program of public works.
adj.	containing a lot of carefully prepared and organized or many complicated and detailed parts
175.	An infected person in the hospital will likely pass the to others.
n.	a tiny infectious organic material that causes disease in people, animals, and plants
176.	I that you know it.
v.	to risk money on the result of an event or a competition, such as a race or game, to get more money; to have faith or confidence in something
177.	The of the argument was well-presented.
n.	the real physical material of which a thing or person consist; the most important or main part of some idea or experience; an illegal drug
178.	She wore a of pearls around her neck.
n.	long, thin material used for tying things together, composed of several twisted threads
	WERS: 171. installed, 172. reaction, 173. adopted, 174. elaborate, 175. virus, bet, 177. substance, 178. string

179.	The of the fruit is sweet and juicy.
n.	the soft substance composing the body of a person or animal, as opposed to bones and other structures
180.	They fun at each other's jokes, laughing and teasing.
<i>v</i> .	to push or prod with a sharp object or the finger
	Research in is leading to groundbreaking advancements in brain-computer interfaces.
n.	technology or advancements in the field of neuroscience, often related to the study or manipulation of the brain or nervous system
182.	Economic factors and monetary policy inflation.
v.	to increase the size, extent, quantity, etc. of something by adding something to it
	The product developed through years of research continues to the market.
v.	to make a machine or system work by using electricity; to make someone extremely enthusiastic about or interested in something
	The of the characters in the movie was so realistic, and it was as if they were there.
n.	the technique of photographing successive drawings or positions of puppets or models to create an illusion of movement when the film is shown as a sequence; enthusiasm and energy in the way you look or behave
185.	The majority of consumers this brand with quality.
v.	to mentally connect someone or something with someone or something else
	WERS: 179. flesh, 180. poked, 181. neurotechnology, 182. augmented, 183. trify, 184. animation, 185. associate

186.	symptoms might include a decrease in appetite and weight loss.
n.	a mental condition in which a person feels very unhappy and without hope for the future; a severe recession in an economy or market
187.	The data center's is impressive, allowing for quick processing of large amounts of data.
n.	the amount of material or information that can be processed by a system or organization over a given period of time
188.	The patient was experiencing severe auditory hallucinations.
n.	a severe mental disorder in which a person has a distorted view of reality and may experience hallucinations, delusions, and disordered thinking and behavior
189.	Light entering the eye causes a chemical change in the which begins the vision process.
n.	a light-sensitive protein found in the retina of the eye, responsible for vision in low-light conditions
190.	Overall are approximately 400x200mm.
n.	a measurable extent of a particular kind, such as width, height, or length
191.	Several cities are experiencing high unemployment rates.
adv.	in a way that is very difficult to believe; exceedingly or extremely
192.	He spent only a of his earnings.
n.	a small part or item forming a piece of a whole; the quotient of two rational numbers
193.	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
	WERS: 186. Depression, 187. throughput, 188. schizophrenia, 189. rhodopsin, dimensions, 191. incredibly, 192. fraction, 193. brain

194. Highlight the sentences that you want to
$\nu$ . to remove something, especially that has been written; to wipe out digitally or magnetically recorded information
195. He fastens some sheets of paper with a
<ul> <li>a small metal or plastic device used for holding an object or objects together or in place; a short part of electronic media, either an audio clip or video clip</li> </ul>
196. He finally decided to problems directly.
v. to face, meet or deal with a problem or difficult situation or person
197. I underwent aversion for my addiction to alcohol.
n. the act of caring for someone through medication, remedial training, etc.
198. His poem has a very significant
n. something that is inferred or indirectly stated; the act or fact of being involved in something
199. His showed highly positive results.
n. the scientific test conducted to observe what happens and gain new knowledge
200. The experience was so that it left a lasting impact on the survivor's mental health.
adj. relating to or caused by injury, especially emotional injury
201. New joints are less prone to metal poisoning.
adj. of or relating to an artificial part of the body, such as a limb, a heart, or a breast implant
ANSWERS: 194. delete, 195. clip, 196. confront, 197. therapy, 198. implication, 199 experiments, 200. traumatic, 201. prosthetic

202.	The once-thriving city has into a crime-ridden slum.
ν.	(of a person, animal, or plant) to become worse in health or physical condition
203.	Hunters use a whistle that makes the sound to lure stags.
n.	a mature female of mammals of which the male is called a buck, such as a deer or a rabbit
204.	The general was still reluctant to his troops in pursuit of an enemy.
ν.	to suddenly release a strong force, emotion, etc. that cannot be controlled
205.	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
206.	Our plan includes a comprehensive marketing
n.	a detailed plan of action designed to achieve a long-term or overall goal.
207.	pigmentosa is a group of genetic disorders that affect the retina's ability to respond to light.
n.	an inflammation of the retina (= the thin, light-sensitive tissue that lines the inside surface of the eye) which can cause decreased vision or possibly lead to blindness
208.	Night fishing has a lot of
n.	a thing given in acknowledgment of service, hard work, achievement, etc.
209.	She received special training at the hospital.
adj.	of or relating to the examination and treatment of patients rather than theoretical or laboratory studies
	WERS: 202. degenerated, 203. doe, 204. unleash, 205. electrodes, 206. egy, 207. Retinitis, 208. rewards, 209. clinical

210.	The marathon runner covered a long in a short amount of time.
n.	the amount of space between two points, measured in units such as miles, meters, or kilometers; the extent, scope, or range between two things, such as distance or emotional distance
	Autistic children may engage in behaviors, such as rocking or hand flapping, to self-regulate.
n.	a behavior often exhibited by individuals on the autism spectrum characterized by repetitive bodily movements or sounds, such as hand flapping or rocking, often used as a form of self-regulation or sensory stimulation
212.	He tried to a bad reputation and win the election.
<i>v</i> .	to succeed in controlling or dealing with something, such as a problem or difficulty; to defeat or overwhelm someone
213.	She was nearly due to severe diabetes.
adj.	unable to see; unable or unwilling to perceive or understand the true nature of something
214.	I to him that I had seen his sister at the grocery store earlier that day
<i>v</i> .	to speak or write about something or someone briefly
215.	The boat drifted and was carried away by the current.
adv.	in the direction that a stream or river flows; (adjective) in the direction of a stream's current
216.	He the main points of the meeting for those who had not been able to attend.
v.	to summarize or repeat the main points of something
	WERS: 210. distance, 211. stimming, 212. overcome, 213. blind, 214. tioned, 215. downstream, 216. recapitulated

217.	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
218.	They had to a system that did not depend on fossil fuels.
<i>v</i> .	to come up with an idea, plan, theory, etc., using your intelligence or imagination
219.	Please the news to the world.
<i>v</i> .	to receive and pass something, such as information or a message, from one person or group to another; to broadcast something on television, radio, etc.
	The customer on the Internet has to choose one from a formidable of products.
<i>n</i> .	a large group or collection of things or people, especially one that is impressive or attractive
	The development of agricultural technology has had an impact on humanity.
adj.	impossible to change or return to a previous condition
222.	The primary role of the is to deflect attention from predators.
n.	a rounded eyelike spot on an animal, as on the wings of some butterfly, or the tail of a peacock
223.	His lack of enthusiasm was noticeable to everyone in the room.
adj.	open, evident, or clear, especially in a way that is not intended to be secret
224.	The store is empty.
adv.	almost or nearly
	WERS: 217. circuit, 218. devise, 219. relay, 220. array, 221. irreversible, 222. pots, 223. overt, 224. practically

225.	One of the main of the new product is its increased efficiency.
n.	a condition or circumstance that puts one in a favorable or superior position; a beneficial feature or asset that someone or something has
226.	The injury sustained during the game could the player for the rest of the season.
<i>v</i> .	to disable or render someone or something unable to function or operate normally, either temporarily or permanently, often as a result of injury, illness, or damage
227.	The colors of the flowers made the garden come alive.
adj.	alive or existing in a living organism or system; relating to or involving "live" organisms or systems, particularly in scientific research or experimentation
228.	They took the step toward reconciliation.
adj.	of or happening at the beginning; (noun) the first letter of a word, especially a person's name
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ANSWERS: 225. advantages, 226. incapacitate, 227. vivo, 228. initial