

# Englist.me



## Vocabulary Builder Reference from...

David R. Liu: Can we cure genetic diseases by rewriting DNA? | TED Talk

[https://www.ted.com/talks/david\\_r\\_liu\\_can\\_we\\_cure\\_genetic\\_diseases\\_by\\_rewriting\\_dna](https://www.ted.com/talks/david_r_liu_can_we_cure_genetic_diseases_by_rewriting_dna)

### All Words

#### IMPORTANT

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## Session 1: Word List

### genome

*n.* the complete set or sequence of genes of a human, animal, plant, or other living things

(1) sequencing of the human **genome**, (2) **genome** analyses

The human **genome** contains approximately three billion chemical base pairs.

### component

*n.* one of several parts that combines with others to form something bigger

*synonym*: element, part, factor

(1) key **component**, (2) spare **components** for cars

The researchers try to discover a common **component** in all types of successful organizations.

### fragile

*adj.* delicate or easily broken or damaged

*synonym*: delicate, brittle, breakable

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

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

### sunlight

*n.* the light emitted by the sun; the rays of the sun

*synonym*: daylight, rays, sunshine

(1) a glare of **sunlight**, (2) in direct **sunlight**  
Radiation from **sunlight** has a different wavelength.

## unhealthy

*adj.* not conducive to good health; detrimental to physical or mental well-being

*synonym*: unwholesome, detrimental, insalubrious

(1) **unhealthy** diet, (2) **unhealthy** habit

Sitting for long hours in front of the computer is considered **unhealthy**.

## spontaneous

*adj.* happening or being done naturally, often unexpected way, without being made to happen

*synonym*: willing, impulsive, intuitive

(1) a **spontaneous** behavior, (2) **spontaneous** labor

The crowd broke out into **spontaneous** laughter.

## swap

*v.* to give something and receive something in trade

*synonym*: exchange, switch, trade

(1) **swap** seats, (2) **swap** columns with rows

Don't **swap** horses while crossing a stream.

## accumulate

*v.* to collect or acquire a large number of things over a long period of time

*synonym*: amass, stash, earn

(1) **accumulate** cash value, (2) **accumulate** evidence

He has **accumulated** his wealth through real estate investments.

## mutation

*n.* 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.

## harmless

*adj.* not able or not likely to cause damage or harm

*synonym*: benign, innocuous, inoffensive

(1) **harmless** in most people, (2) **harmless** substances

Most people thought of him as a **harmless** eccentric.

## disrupt

*v.* to prevent or stop something, especially an event, activity, or process, from continuing in the usual way by causing a problem or disturbance

*synonym*: interrupt, disturb, break into

(1) **disrupt** a well-ordered condition, (2) **disrupt** sleep

I'm so sorry to **disrupt** you when you're pretty busy.

## misbehave

*v.* to behave badly

*synonym*: act up, fool around, trespass

(1) **misbehave** with language, (2) the student who had **misbehaved**

It was unbelievable that they should **misbehave**.

## inherit

*v.* to receive money, property, or a title from someone after they have died

*synonym*: obtain, gain, acquire

(1) **inherit** estate, (2) **inherit** ancestral property

After his death, his sons **inherited** his business.

## 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.

## genetic

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

*synonym*: hereditary, genetical, inborn

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

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

## disease

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

*synonym* : illness, ailment, affliction

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

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

## sickle

*n.* a tool consisting of a short curved blade with a handle, used for cutting grass or grain; also a symbol associated with harvest or death

*synonym* : scythe, crescent, cutter

(1) **sickle-shaped** moon, (2) harvest **sickle**

The blade of the **sickle** glinted in the sunlight as he swung it back and forth.

## anemia

*n.* a medical condition in which the body lacks enough red blood cells or hemoglobin, causing fatigue, weakness, or difficulty breathing; a lack of vitality or liveliness in something

*synonym* : bloodlessness, pallor, weakness

(1) **anemia** symptoms, (2) **anemia** disease

The doctor diagnosed the patient with **anemia** due to a lack of iron in their blood.

## progeria

*n.* a rare genetic disorder that occurs in children and causes rapid aging and premature death, which is characterized by the appearance of aging-related symptoms, such as wrinkles and stiff joints, and typically leads to death in the teenage years

*synonym* : rapid aging disease, premature aging

(1) **progeria** syndrome, (2) **progeria** genetics

Children with **progeria** often have a small body size and are

prone to heart problems.

## muscular

*adj.* of or relating to the muscles; having or suggesting great physical power or force

*synonym* : powerful, athletic, brawny

(1) a **muscular** person, (2) **muscular** contraction

She worked hard to treat her **muscular** dystrophy.

## dystrophy

*n.* a group of inherited disorders that involve the progressive weakening and wasting of muscles or tissues, often leading to disability or organ failure; commonly characterized by muscle weakness, atrophy, and degeneration

*synonym* : degeneration, weakening, wasting

(1) **dystrophy** treatment, (2) **dystrophy** of cervical cartilage

Muscular **dystrophy** is a genetic disease that causes weakness and degeneration of muscles over time.

## grievous

*adj.* causing great suffering, pain, or sorrow; serious, grave, or dire

*synonym* : atrocious, severe, painful

(1) **grievous** condition, (2) **grievous** mistake

The **grievous** injury he sustained in the car accident left him unable to walk.

## frustrate

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

*synonym* : hinder, thwart, dishearten

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

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

## suffer

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

*synonym*: endure, undergo, tolerate

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

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

## hemoglobin

*n.* a protein-based molecule found in red blood cells that transports oxygen throughout the body

*synonym*: red cell pigment, oxygen carrier

(1) **hemoglobin** level, (2) abnormal **hemoglobin**

The **hemoglobin** gene mutation can cause genetic disorders such as sickle cell disease.

## devastating

*adj.* causing a great deal of destruction or damage

*synonym*: destructive, annihilative, disastrous

(1) have **devastating** effects, (2) treat this **devastating** disease

This typhoon was the most **devastating** in years.

## consequence

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

*synonym*: result, impact, outcome

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

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

## medicinal

*adj.* of or relating to the treatment or cure of disease

*synonym*: curative, therapeutic, healing

(1) **medicinal** chemistry, (2) traditional **medicinal**

The **medicinal** properties of this herb have been known to help with various ailments.

## efficiently

*adv.* in a way that produces maximum output with minimum effort or expense

*synonym*: expeditiously, skillfully, ably

(1) **efficiently** combined, (2) develop software more

### **efficiently**

We can resolve support requests quickly and **efficiently** by utilization of AI.

### **laboratory**

*n.* a workplace for doing scientific research or teaching science; a lab

*synonym*: lab, workshop, testing room

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

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

### **edit**

*v.* to prepare written material for publication by correcting, condensing, or otherwise modifying it

*synonym*: revise, modify, adjust

(1) **edit** a history book, (2) **edit** a video

I need to **edit** this document before submitting it to my boss.

### **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.

### **infection**

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

*synonym*: contagion, disease, transmission

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

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

### **prone**

*adj.* inclined or likely to do something or to show a particular characteristic, especially something bad; lying face downward

*synonym* : inclined, susceptible, liable

(1) accident- **prone**, (2) **prone** to diarrhea

He was **prone** to making rash decisions.

## infect

*v.* to affect a person, an animal, or a plant with a disease-causing organism

*synonym* : pollute, contaminate, affect

(1) **infect** other animal species, (2) **infect** a computer with a virus

Children often **infect** parents with this head cold.

## virus

*n.* 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.

## evolve

*v.* to develop gradually, or to cause the development of something or someone gradually

*synonym* : develop, mature, grow

(1) **evolve**, (2) **evolve** over the past decade

Eyeless fish **evolved** in dark caves.

## defend

*v.* to protect someone or something from attack, criticism, danger, etc.

*synonym* : protect, guard, support

(1) **defend** my country, (2) **defend** against a threat

International law allows each nation to **defend** itself when its rights and interests are illegally violated.

## mechanism

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

*synonym* : means, method, system

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



### **mechanism**

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

### **viral**

*adj.* relating to or caused by a virus

(1) fight **viral** infections, (2) detect a **viral** code

This device can more accurately detect **viral** pathogens.

### **warhead**

*n.* the explosive or destructive part of a missile, rocket, or other weapons that are designed to explode on impact or detonation

*synonym*: payload, explosive

(1) **warhead** missile, (2) nuclear **warhead**

The missile launch was successful, and the **warhead** hit its intended target.

### **purple**

*adj.* of a color intermediate between red and blue

*synonym*: violet

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

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

### **protein**

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

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

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

### **molecular**

*adj.* of or relating to molecules (= a group of two or more atoms held together by attractive forces known as chemical bonds)

*synonym*: microscopic, atomic

(1) **molecular** structure, (2) **molecular** biology

**Molecular** weight is the sum of all the atoms.

### **helix**

*n.* a three-dimensional spiral shape or structure, particularly like that of a spring or a DNA molecule

*synonym* : coil, spiral, twist

(1) **helix** structure, (2) alpha **helix**

The DNA molecule is shaped like a double **helix**.

## distinguish

*v.* to notice or understand the difference between two people or things

*synonym* : determine, differentiate, characterize

(1) **distinguish** these two things, (2) **distinguish** man from the other animals

This study **distinguished** four different ways to run a business.

## amazing

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

*synonym* : exceptional, extraordinary, wonderful

(1) **amazing** advances, (2) the most **amazing** feeling

The golfer recorded an **amazing** distance.

## feat

*n.* a notable or impressive achievement, especially one that requires great skill or bravery

*synonym* : achievement, accomplishment, exploit

(1) intellectual **feat**, (2) **feat** accomplishment

It is an incredible **feat** to climb Mount Everest, the highest mountain in the world.

## bind

*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.

## specific

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

*synonym* : particular, definite, distinct

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

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

## sequence

*n.* a series of related events, actions, numbers, etc., which have a particular order

*synonym*: arrangement, succession, series

(1) the **sequence** of the seasons, (2) the DNA **sequence**

We do move forward with those tasks in **sequence** next week.

## 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.

## snippet

*n.* a small piece or brief extract of something

*synonym*: fragment, excerpt, brief

(1) **snippet** of wisdom, (2) code **snippet**

The journalist saved a **snippet** of the interview for later reference.

## mess

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

*synonym*: disarray, confusion, predicament

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

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

## 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**.

## cycle

*n.* an interval during which a recurring sequence of events occurs; a bicycle or motorcycle

*synonym*: revolution, rotation, bike

(1) the **cycle** of the seasons, (2) go to the workplace by **cycle**

The food chain causes a material **cycle**.

## remarkable

*adj.* worthy of attention because unusual or special

*synonym*: outstanding, exceptional, extraordinary

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

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

## church

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

*synonym*: chapel, cathedral, synagogue

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

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

## outcome

*n.* the result or effect of an action, event, etc.

*synonym*: result, consequence, effect

(1) improved student **outcomes**, (2) a desirable **outcome**

They awaited news of the **outcome** of the election.

## typical

*adj.* having the usual characteristics or traits of a specific group of things

*synonym*: characteristic, usual, distinctive

(1) **typical** leader, (2) fairly **typical** symptoms

This artwork is **typical** of her work.

## insert

*v.* to put something inside something else

*synonym* : introduce, add, embed

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

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

## delete

*v.* 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**.

## random

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

*synonym* : incidental, arbitrary, unanticipated

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

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

## mixture

*n.* a combination of different elements, substances, or entities, usually in non-uniform proportions, resulting in a homogeneous or heterogeneous blend of physical or chemical properties

*synonym* : blend, amalgam, concoction

(1) **mixture** of emotions, (2) perfect **mixture**

The paint was a **mixture** of different pigments to achieve the desired color.

## patient

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

*synonym* : client, recipient, subject

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

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

## introductory

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

*synonym* : beginning, preliminary, initial

(1) **introductory** biology text, (2) product **introductory** sale  
The **introductory** class was designed to give students a basic understanding of the subject.

## replace

*v.* to take the place of something  
*synonym*: substitute, supersede, displace

(1) **replace** one word with another, (2) **replace** a phone  
Eventually, the new design will **replace** all older models.

## surrounding

*adj.* that is near or around, or closely encircling something  
*synonym*: circumferent, encircling, neighboring

(1) **surrounding** areas, (2) a fence **surrounding** a castle  
The **surrounding** mountains make the city difficult to be invaded.

## 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.

## unfortunately

*adv.* by bad luck; unluckily  
*synonym*: regrettably, unluckily, alas

(1) **unfortunately** caught in a shower, (2) even more **unfortunately**  
The treatments were done but, **unfortunately**, were unsuccessful.

## predominate

*v.* to be the most powerful, important, or frequent; to be more common or prevalent than others  
*synonym*: reign, prevail, rule

(1) **predominate** in the army, (2) **predominate** religion

In this particular field, his work **predominated** over all others.

## chemistry

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

(1) professor of **chemistry**, (2) the **chemistry** of soil  
He is familiar with **chemistry** and biology.

## individual

*n.* a single person or thing, as distinct from a group  
*synonym*: person, being, self

(1) a private **individual**, (2) **individual** freedom

As an **individual**, he had the right to make his own decisions and live his life as he saw fit.

## editorial

*adj.* relating to the expression of opinions or interpretations in the media

*synonym*: comment, opinion, critique

(1) gain **editorial** help, (2) an **editorial** article

The newspaper published an **editorial** on the current state of the economy.

## 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.

## naturally

*adv.* as might be expected; by natural manners

*synonym*: by nature, inherently, intrinsically

(1) **naturally** arising, (2) **naturally** regenerated forest  
He was **naturally** gifted.

## rewrite

*v.* to write something such as a book or speech again in a different way, usually to improve it or add new information

*synonym*: revise, edit, rework

(1) **rewrite** a composition, (2) **rewrite** a world record

I need to **rewrite** most of the essay with feedback from my teacher.

## rearrange

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

*synonym*: readjust, reorganize, reconstruct

(1) **rearrange** the furniture, (2) **rearrange** his schedule

Please **rearrange** these files as we start a new project tomorrow.

## atom

*n.* the smallest unit of ordinary matter that forms a chemical element, composed of a nucleus and one or more electrons bound to the nucleus

*synonym*: particle, element, fraction

(1) oxygen **atom**, (2) neutral hydrogen **atoms**

The outermost electron shell of an **atom** determines its chemical characteristics.

## engineer

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

*synonym*: architect, creator, builder

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

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

## separate

*v.* to force, take, or pull apart; mark as different

*synonym*: disunite, isolate, ramify

(1) **separate** video into chapter, (2) **separate** cream from milk

We need to **separate** the aspect of his personality from the part of his competence when making an investment decision.

## disable

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

*synonym*: cripple, impair, incapacitate

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



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

## retain

v. to keep or continue to possess or maintain something

*synonym*: possess, hold, keep on

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

Computers help people **retain** specific memories.

## disabled

*adj.* having a physical or mental condition that limits someone's specific actions that most other people can do

*synonym*: handicapped, impaired, incapacitated

(1) a **disabled** veteran, (2) a learning- **disabled** child

She was **disabled** in a car accident.

## attach

v. to fasten, join, or connect one thing to another

*synonym*: fix, fasten, bind

(1) **attach** firmly, (2) **attach** a file to an e-mail

He does not **attach** importance to these rumors.

## 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.

## reaction

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

*synonym*: response, reply, answer

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

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

## specify

v. to explain or state something clearly and exactly

*synonym*: establish, pinpoint, identify

(1) **specify** a cause, (2) **specify** an option

You can **specify** the font color by clicking the Color tab.

## locate

*v.* to specify or determine the exact position of someone or something

*synonym*: discover, find, place

(1) **locate** a missing pet, (2) **locate** a tumor

The robot can accurately **locate** construction material.

## 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.

## strand

*n.* a very thin natural or synthetic thread, wire, hair, etc.;  
(verb) to leave or drive a vessel, fish, etc., aground or ashore

*synonym*: fiber, filament, string

(1) a **strand** of fine hair, (2) double- **strand** DNA

I heard several melodic **strands** simultaneously.

## mismatch

*v.* to put together or match items that are not compatible or do not fit well together; to be different from or not correspond to something else

*synonym*: mismatch, discord, clash

(1) **mismatch** expectations, (2) **mismatch** socks

The colors of the shirt and pants totally **mismatch**, making the outfit look ridiculous.

## disagree

*v.* to have or express a different opinion, idea, etc.

*synonym*: discord, oppose, dissent

(1) **disagree** about a particular issue, (2) **disagree** with a plan

I **disagree** for reasons already stated above.

## resolve

*v.* to find a suitable answer to the problems or difficulty  
*synonym*: decide, determine, fix

(1) **resolve** a dispute, (2) **resolve** the computer error  
This company **resolves** its battery problem completely.

## decide

*v.* to make up someone's mind about something; to come to a conclusion or judgment after considering options  
*synonym*: choose, determine, settle

(1) **decide** a question, (2) **decide** on a course of action  
She couldn't **decide** whether to order the pizza or the pasta for dinner.

## nick

*n.* a small cut, notch, or indentation in a surface or an edge  
*synonym*: incision, dent, indentation

(1) a **nick** on the fender of a car, (2) **nick** on my hand  
The interviewer arrived in a **nick** of time.

## remake

*v.* to create a new version of a work of art, such as a film, song, or play, using the same or similar material as the original; to adapt or update something for a new audience or purpose; (noun) a new version or adaptation of a previously existing movie, song, TV show, or other creative work  
*synonym*: revamp, redo, reproduce

(1) video game **remake**, (2) **remake** song  
The director plans to **remake** the classic movie with a modern twist.

## thereby

*adv.* as a result; consequence of a particular action or set of conditions  
*synonym*: thus, hence, as a result

(1) **thereby-obtained** data, (2) **thereby** improving overall health  
The new software will streamline the workflow, **thereby** increasing productivity.

## conversion

*n.* the act or process of changing something from one thing to another; the state of being changed

*synonym*: transformation, change, metamorphosis

(1) **conversion** rate, (2) **conversion** therapy

The developer's **conversion** of the old factory into a modern loft apartment complex was a major success.

## lab

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

*synonym*: workshop, laboratory, research chamber

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

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

## reverse

*v.* to change something's direction, order, position, decision, etc., to the opposite one; (adjective) directed or moving toward the rear

*synonym*: overturn, shift, switch

(1) **reverse** the trend, (2) **reverse** the order

The restaurant **reversed** a ban on smoking.

## pathogen

*n.* a bacterium, virus, or other microorganism that causes disease

*synonym*: germ, microbe, bacterium

(1) plant **pathogen**, (2) the **pathogen** in the air

mRNA vaccines are approved faster because they do not contain inactivated **pathogens**.

## fraction

*n.* 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.

## incredible

*adj.* unbelievable; enormous

*synonym*: unbelievable, fantastical, inconceivable

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

## stumble

*v.* to miss a step and fall or nearly fall; to walk unsteadily  
*synonym*: bumble, struggle, misstep

(1) **stumble** financially, (2) **stumble** through life  
She **stumbled** over the tree root.

## adviser

*n.* a person who gives advice about a particular subject  
*synonym*: consultant, guide, expert

(1) a medical **adviser**, (2) chief **adviser**  
After retiring, he continued to be an **adviser** to politicians.

## proceed

*v.* to move forward or to continue with a process or action;  
to advance or progress

*synonym*: advance, progress, move ahead

(1) **proceed** with caution, (2) **proceed** to the next step  
We can now **proceed** with the next item on our agenda.

## ambitious

*adj.* having a great desire to attain achievement, power, or  
wealth

*synonym*: enterprising, challenging, earnest

(1) achieve **ambitious** goals, (2) with an **ambitious** eye  
Their company has been in business for a short time but has  
**ambitious** goals.

## absence

*n.* the fact or condition of being away from a place where  
they are typically anticipated to be

*synonym*: dearth, scarcity, lack

(1) **absence** from work, (2) a leave of **absence**  
Another critical factor of child poverty is the father's **absence**.

## relate

*v.* to establish a connection or association between two or  
more things; to narrate or tell about an event,  
experience, or relationship; to empathize or feel  
sympathy with someone or something

*synonym*: connect, link, associate

(1) **relate** a story, (2) **relate** a message

He tried to **relate** his experience to the group, but they couldn't understand.

## survival

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

*synonym*: endurance, continuity

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

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

## variant

*n.* something that is slightly different from others of the same type

*synonym*: variation, modification, variance

(1) **variant** types of pigeon, (2) a **variant** of the same word

The first **variant** of the virus appeared in less than a month.

## survive

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

*synonym*: endure, persist, stay

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

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

## resemble

*v.* to look like or be similar to someone or something

*synonym*: look like, be similar to

(1) **resemble** each other, (2) **resemble** her mother

The brothers **resemble** each other in the hobby.

## strategy

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

*synonym*: approach, procedure, scenario

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

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

## academic

*adj.* associated with schools, colleges, and universities, especially studying and thinking, not with practical skills

*synonym*: educational, scholarly, theoretical

(1) **academic** probation, (2) an **academic** discussion

An excellent historian must possess an **academic** mentality.

## interrupt

*v.* to say or do something that causes someone to stop in their speech or action

*synonym*: disturb, hinder, break in

(1) **interrupt** a call, (2) abruptly **interrupt**

Her sleep was **interrupted** by recurring pain.

## applause

*n.* a demonstration of approval or praise by clapping the hands together

*synonym*: clapping, cheering, acclaim

(1) round of **applause**, (2) earn **applause**

The **applause** burst from the audience.

## biomedical

*adj.* relating to the application of the natural sciences, especially biology, and physiology, to clinical medicine and healthcare

*synonym*: medical, clinical, health-related

(1) **biomedical** assay, (2) cutting-edge **biomedical**

**Biomedical** engineering focuses on developing new medical technologies and innovations to improve patient health outcomes.

## communal

*adj.* belonging to or used by a group rather than individuals; for common use

*synonym*: collaborative, combined, collective

(1) **communal** swimming pool, (2) **communal** combination of funds

**Communal** elections were held in several European countries.

## globe

*n.* the earth or world, mainly used to emphasize its vastness

*synonym*: Earth, world, sphere

(1) terrestrial **globe**, (2) around the **globe**

His final goal is to sail around the **globe**.

## primate

*n.* any mammal of the order Primates, which includes monkeys, apes, and humans

*synonym* : ape, monkey, lemur

(1) **primate** species, (2) **primate** sanctuary

Many scientists study **primate** behavior and intelligence.

## 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.

## achieve

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

*synonym* : accomplish, attain, reach

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

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

## critic

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

*synonym* : pundit, analyst, attacker

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

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

## milestone

*n.* an important event or stage in the development or progress of something; a stone by the side of a road to show distances

*synonym* : landmark, turning point, touchstone

(1) key **milestone**, (2) **milestone** event

Reaching the **milestone** of 1000 subscribers on her SNS channel was a major achievement for her.

## 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.

## levy

*n.* a tax or charge imposed by authority

*synonym*: tax, duty, assessment

(1) a **levy** in mass, (2) a capital **levy**

The government imposed a **levy** on tobacco products to discourage smoking.

## addition

*n.* the act or process of adding something to something else; the process of adding numbers

*synonym*: accumulation, expansion, addendum

(1) chemical **addition**, (2) **addition** of vectors

In **addition**, private corporations provide healthcare services.

## tyrosine

*n.* an amino acid that is essential for the synthesis of proteins in the body that is referred to as a non-essential amino acid because the body can produce it, although it is also present in some foods

(1) **tyrosine** kinase, (2) **tyrosine** metabolism

Foods rich in **tyrosine** include cheese, nuts, and meat.

## 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.

## thalassemia

*n.* a group of inherited blood disorders characterized by inadequate or abnormal synthesis of hemoglobin, the protein in red blood cells that carries oxygen; resulting in anemia, fatigue, and other symptoms

*synonym*: anemia, blood disorder, blood disease

(1) **thalassemia** minor, (2) Alpha **thalassemia**

**Thalassemia** major is a severe form of anemia requiring

regular blood transfusions.

## phenylketonuria

*n.* a genetic disorder that causes a build-up of phenylalanine (= an essential amino acid) in the body and can lead to intellectual disability, behavioral problems, seizures, and other physical and mental health issues

*synonym* : PKU, folling's disease

(1) **phenylketonuria** test, (2) **phenylketonuria** diet

Newborns with **phenylketonuria** must follow a strict diet to prevent any negative effects on their health.

## congenital

*adj.* existing from birth; often used to describe a condition or trait that is inherited or present from the moment of birth

*synonym* : innate, inborn, inherent

(1) **congenital** disease, (2) **congenital** disorder

**Congenital** heart defects can often be diagnosed before a baby is born.

## deaf

*adj.* lacking the ability to hear, or having impaired hearing; unresponsive or unaware of certain sounds or signals

*synonym* : hearing-impaired, unresponsive, insensitive

(1) **deaf** in one ear, (2) **deaf** child

The **deaf** student needed an interpreter to understand the lecture.

## cardiovascular

*adj.* of or relating to the heart and blood vessels (= tubes that carry blood around the body)

(1) **cardiovascular** diseases, (2) **cardiovascular** tissue

Smoking places you at severe risk of **cardiovascular** and respiratory disease.

## 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.

## crop

*n.* a plant that is cultivated in large amounts, particularly for food

*synonym*: output, produce, product

(1) **crop** field, (2) **crop** herbicide

Sow early for an early **crop**.

## biology

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

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

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

## probe

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

*synonym*: investigation, inquiry, examination

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

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

## 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.

## cancer

*n.* abnormal growth of cells that can invade and destroy surrounding tissues and organs; a disease characterized by the uncontrolled growth and spread of abnormal cells

*synonym*: tumor, carcinoma, malignancy

(1) **cancer** diagnosis, (2) **cancer** research

Breast **cancer** is the most common type of cancer in women.

## cofounder

*n.* one of several people who establishes an organization or starts a business

(1) **cofounder** of the university, (2) late **cofounder**

He is the **cofounder** and chairman of this tech company.

## beam

*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

*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.

## improve

*v.* to make or become better

*synonym* : enhance, ameliorate, enrich

(1) **improve** a process, (2) **improve** the test score

We want to **improve** ties between our two countries.

## agriculture

*n.* the practice or science of cultivating the land or raising stock

*synonym* : farming, husbandry, agribusiness

(1) organic **agriculture**, (2) intensive **agriculture**

**Agriculture** is the foundation of our economy.

## historic

*adj.* famous or significant in history, or potentially so

*synonym* : memorable, momentous, historical

(1) **historic** accomplishment, (2) achieve the **historic** feat

The Chinese people have accomplished several **historic** feats.

## timescale

*n.* a period or interval of time, particularly one used as a standard for measuring or comparing other periods of time; a reference point or benchmark for the duration or length of a particular event or process

*synonym* : time frame, schedule, duration

(1) long- **timescale**, (2) realistic **timescale**

The **timescale** for completing the construction project is three

years.

## blink

*v.* to shut and open the eyes quickly; to gleam or glow in a regular or intermittent way

*synonym*: twinkle, flash, flicker

(1) **blink** his eyes, (2) **blink** in astonishment

He **blinked** in the dazzling sunlight.

## underlying

*adj.* significant as a cause or basis of something but not immediately apparent or stated clearly

*synonym*: fundamental, latent, basic

(1) an **underlying** motive, (2) an **underlying** cause of an accident

The **underlying** principle of every business was identical.

## modest

*adj.* having or showing a humble estimate of one's merits, importance, etc.; free from vanity, egotism, boastfulness, or great pretensions

*synonym*: unassuming, humble, unpretentious

(1) **modest** income, (2) only a **modest** fee

Despite his many achievements, he remained **modest** and down-to-earth.

## co-opt

*v.* to elect or appoint someone as a member of a group or organization; to take over or appropriate something, often by force or without permission; to use someone or something for one's purposes or agenda

*synonym*: take over, appoint, appropriate

(1) **co-opt** members, (2) **co-opt** ideas

The company tried to **co-opt** competitors by offering them buyouts.

## molecule

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

*synonym*: particle, element, atom

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

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

## delivery

*n.* the act of taking or sending something to a destination; the bringing of a baby during childbirth

*synonym* : sending, transporting, bringing

(1) an easy **delivery**, (2) special **delivery**

The **delivery** truck arrived with the packages.

## minimize

*v.* to make something, especially something bad, small or less serious

*synonym* : diminish, mitigate, belittle

(1) **minimize** a loss, (2) way to **minimize** conflict

I bought a gadget before my trip to help **minimize** stress during the flight.

## unwanted

*adj.* not wanted or desired

*synonym* : undesired, unneeded

(1) **unwanted** attention, (2) **unwanted** guests

He threw away the **unwanted** items in his closet.

## off-target

*adj.* referring to something that misses the intended goal or objective; not reaching or affecting the intended target, often used to describe a weapon, technology, or medical treatment

*synonym* : off-center, wide, astray

(1) **off-target** effects, (2) **off-target** inhibition

The joke fell **off-target** and didn't get any laughs from the audience.

## engaging

*adj.* attracting, pleasant, or charming

*synonym* : alluring, interesting, engrossing

(1) **engaging** story, (2) an **engaging** smile

She was disbarred for her **engaging** in fraud.

## ethics

*n.* a branch of philosophy that considers what is morally right and wrong conduct; a set of beliefs about what is morally right and wrong

*synonym* : morals, principles, moralities

(1) political **ethics**, (2) **ethics** of journalism

This scripture provides the code of **ethics** for the religion.

## government

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

*synonym*: administration, regime, state

(1) **government** bureaucracy, (2) **government** funding

The federal **government** is planning to increase taxes for the next fiscal year.

## maximum

*adj.* the largest or greatest amount or value attainable or attained

*synonym*: peak, top, highest

(1) **maximum** limit, (2) the **maximum** speed

The **maximum** temperature recorded this summer was higher than average.

## likelihood

*n.* the probability or chance that something will happen or be the case

*synonym*: probability, chance, possibility

(1) **likelihood** of the success, (2) improve the **likelihood** of a cure

The **likelihood** of the project being completed on time is uncertain.

## ethical

*adj.* of or relating to principles about what is right and wrong, or the branch of knowledge dealing with these

*synonym*: honorable, moral, virtuous

(1) an **ethical** doctrine, (2) shoulder **ethical** responsibility

The president must have the highest **ethical** standards.

## obligation

*n.* the state of being morally or legally bound to do or pay something

*synonym*: burden, commitment, debt

(1) a deep **obligation**, (2) pay an **obligation**

You are under no **obligation** to finish the job.

## notwithstanding

*adv.* despite anything to the contrary; nevertheless;  
(preposition) despite or in spite of

*synonym* : although, however, (preposition) in spite of

(1) **notwithstanding** the preceding provisions,

(2) **notwithstanding** my protests

**Notwithstanding** his disapproval, the decree was passed.

## fiction

*n.* the type of book or story, especially novels, that describes imaginary events and people; anything made up or imagined that is not true

*synonym* : fantasy, fable, invention

(1) stuff of science **fiction**, (2) non- **fiction** bestseller

Truth is stranger than **fiction**.

## novel

*n.* an extended fictional work in prose; usually in the form of a story; (adjective) original and of a kind not seen before

*synonym* : fiction, story, (adjective) innovative

(1) historical **novel**, (2) **novel** effect

The **novel** has largely gotten positive feedback.

## relentless

*adj.* persistent and determined; continuing despite difficulties or setbacks

*synonym* : unyielding, tireless, unremitting

(1) **relentless** attack, (2) face **relentless** pressure

The athlete's **relentless** training paid off in the end.

## dedicate

*v.* to give all of your energy, time, etc., entirely to a specific person, activity, or cause; to set apart for a particular purpose or use

*synonym* : consecrate, devote, commit

(1) **dedicate** a few hours, (2) **dedicate** a chapter to the subject

He **dedicated** his life to helping others.

## creative

*adj.* relating to or involving the use of skill and original and unusual ideas to create something



*synonym*: imaginative, innovative, inventive

(1) **creative** writing, (2) barren of **creative** spirit

All the supervisor has to do is assign tasks that make his subordinates more **creative**.

## **brave**

*adj.* showing courage or fearlessness in the face of danger, difficulty, or adversity

*synonym*: courageous, valiant, heroic

(1) **brave** soldier, (2) **brave** decision

The **brave** firefighter rescued the family from the burning building.

## **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.

## **aspiration**

*n.* a strong desire to achieve something; the action or process of drawing breath

*synonym*: ambition, inhalation, intake

(1) no **aspiration** for fame, (2) **aspiration** into the lungs

He has an **aspiration** to become a doctor.

## **exciting**

*adj.* causing a lot of interest or excitement

*synonym*: exhilarating, stimulating, thrilling

(1) **exciting** football player, (2) **exciting** news

The findings of the experiment were both **exciting** and unexpected.

## Session 2: Spelling

1. su\_\_\_r bad grades  
*v.* to experience pain, distress, or hardship; to undergo or endure something painful or unpleasant
2. re\_\_\_\_\_ge his schedule  
*v.* to change the order or position of things already made; to change the time, date, or place of an event already planned
3. a private ind\_\_\_\_\_al  
*n.* a single person or thing, as distinct from a group
4. pr\_\_e to diarrhea  
*adj.* inclined or likely to do something or to show a particular characteristic, especially something bad; lying face downward
5. de\_\_\_\_\_te a few hours  
*v.* to give all of your energy, time, etc., entirely to a specific person, activity, or cause; to set apart for a particular purpose or use
6. a numerator in a fr\_\_\_\_\_on  
*n.* a small part or item forming a piece of a whole; the quotient of two rational numbers
7. su\_\_\_r a setback  
*v.* to experience pain, distress, or hardship; to undergo or endure something painful or unpleasant
8. ha\_\_\_\_\_ss substances  
*adj.* not able or not likely to cause damage or harm
9. bl\_\_k his eyes  
*v.* to shut and open the eyes quickly; to gleam or glow in a regular or intermittent way

ANSWERS: 1. suffer, 2. rearrange, 3. individual, 4. prone, 5. dedicate, 6. fraction, 7. suffer, 8. harmless, 9. blink

10. improved student ou\_\_\_\_es      *n.* the result or effect of an action, event, etc.
11. n\_\_k on my hand      *n.* a small cut, notch, or indentation in a surface or an edge
12. at\_\_\_\_h a file to an e-mail      *v.* to fasten, join, or connect one thing to another
13. pr\_\_e for inside information      *n.* a tool used for testing or examining, especially for medical or scientific purposes, or an exploratory mission to a planet or other celestial body; (verb) to investigate, examine, or search into something
14. Alpha tha\_\_\_\_\_ia      *n.* a group of inherited blood disorders characterized by inadequate or abnormal synthesis of hemoglobin, the protein in red blood cells that carries oxygen; resulting in anemia, fatigue, and other symptoms
15. double-st\_\_\_\_d DNA      *n.* a very thin natural or synthetic thread, wire, hair, etc.; (verb) to leave or drive a vessel, fish, etc., aground or ashore
16. re\_\_\_\_e one word with another      *v.* to take the place of something
17. a desirable ou\_\_\_\_e      *n.* the result or effect of an action, event, etc.
18. abnormal hem\_\_\_\_\_in      *n.* a protein-based molecule found in red blood cells that transports oxygen throughout the body
19. re\_\_\_\_e a dispute      *v.* to find a suitable answer to the problems or difficulty

ANSWERS: 10. outcome, 11. nick, 12. attach, 13. probe, 14. thalassemia, 15. strand, 16. replace, 17. outcome, 18. hemoglobin, 19. resolve

20. pr\_\_\_\_\_e sanctuary *n.* any mammal of the order Primates, which includes monkeys, apes, and humans
21. se\_\_\_\_\_te cream from milk *v.* to force, take, or pull apart; mark as different
22. di\_\_\_\_\_t a well-ordered condition *v.* to prevent or stop something, especially an event, activity, or process, from continuing in the usual way by causing a problem or disturbance
23. re\_\_\_\_\_e the computer error *v.* to find a suitable answer to the problems or difficulty
24. defense me\_\_\_\_\_sm *n.* a part of a machine, or a set of parts that performs a task; a natural or established process that occurs during a specific situation or reaction
25. eff\_\_\_\_\_ly combined *adv.* in a way that produces maximum output with minimum effort or expense
26. at\_\_\_\_h firmly *v.* to fasten, join, or connect one thing to another
27. product int\_\_\_\_\_ory sale *adj.* intended as an introduction or preliminary; serving as a base or starting point
28. di\_\_\_\_\_ee with a plan *v.* to have or express a different opinion, idea, etc.
29. a fr\_\_\_\_\_onal share of the vote *n.* a small part or item forming a piece of a whole; the quotient of two rational numbers
30. mi\_\_\_\_\_ze a loss *v.* to make something, especially something bad, small or less serious

ANSWERS: 20. primate, 21. separate, 22. disrupt, 23. resolve, 24. mechanism, 25. efficiently, 26. attach, 27. introductory, 28. disagree, 29. fraction, 30. minimize

31. round of ap\_\_\_\_se *n.* a demonstration of approval or praise by clapping the hands together
32. lik\_\_\_\_\_od of the success *n.* the probability or chance that something will happen or be the case
33. de\_\_\_e a file *v.* to remove something, especially that has been written; to wipe out digitally or magnetically recorded information
34. fight vi\_\_l infections *adj.* relating to or caused by a virus
35. c\_\_p herbicide *n.* a plant that is cultivated in large amounts, particularly for food
36. an easy de\_\_\_\_\_ry *n.* the act of taking or sending something to a destination; the bringing of a baby during childbirth
37. deep pu\_\_\_e *adj.* of a color intermediate between red and blue
38. way to mi\_\_\_\_\_ze conflict *v.* to make something, especially something bad, small or less serious
39. alpha he\_\_x *n.* a three-dimensional spiral shape or structure, particularly like that of a spring or a DNA molecule
40. an\_\_\_a symptoms *n.* a medical condition in which the body lacks enough red blood cells or hemoglobin, causing fatigue, weakness, or difficulty breathing; a lack of vitality or liveliness in something
41. di\_\_\_\_\_ee about a particular issue *v.* to have or express a different opinion, idea, etc.
42. re\_\_\_n information *v.* to keep or continue to possess or maintain something

ANSWERS: 31. applause, 32. likelihood, 33. delete, 34. viral, 35. crop, 36. delivery, 37. purple, 38. minimize, 39. helix, 40. anemia, 41. disagree, 42. retain

43. abruptly in\_\_\_\_\_pt *v.* to say or do something that causes someone to stop in their speech or action
44. develop a st\_\_\_\_\_gy *n.* a detailed plan of action designed to achieve a long-term or overall goal.
45. a st\_\_\_\_d of fine hair *n.* a very thin natural or synthetic thread, wire, hair, etc.; (verb) to leave or drive a vessel, fish, etc., aground or ashore
46. sp\_\_\_\_\_ic instructions *adj.* clearly defined or particular to a certain thing or situation; distinct, explicit, and precise
47. a capital l\_\_\_\_y *n.* a tax or charge imposed by authority
48. gov\_\_\_\_\_nt funding *n.* the group of people with authority to control a country or state
49. an ac\_\_\_\_\_ic discussion *adj.* associated with schools, colleges, and universities, especially studying and thinking, not with practical skills
50. the cy\_\_e of the seasons *n.* an interval during which a recurring sequence of events occurs; a bicycle or motorcycle
51. rem\_\_\_\_\_le achievement *adj.* worthy of attention because unusual or special
52. nuclear wa\_\_\_\_\_d *n.* the explosive or destructive part of a missile, rocket, or other weapons that are designed to explode on impact or detonation
53. bombs fell at ra\_\_\_\_m *adj.* made, done, or happening without method, conscious decision, or any regular pattern

ANSWERS: 43. interrupt, 44. strategy, 45. strand, 46. specific, 47. levy, 48. government, 49. academic, 50. cycle, 51. remarkable, 52. warhead, 53. random

54. in st\_\_\_e condition *adj.* firm and steady; not easily moved, disturbed, or changed
55. treat the in\_\_\_\_\_on with antibiotics *n.* a condition in which pathogenic microorganisms or viruses have entered the body
56. small ch\_\_\_h *n.* a building or institution dedicated to religious worship or activities; a Christian religious organization or denomination
57. inc\_\_\_\_\_le amount *adj.* unbelievable; enormous
58. fairly ty\_\_\_\_\_l symptoms *adj.* having the usual characteristics or traits of a specific group of things
59. a ge\_\_\_\_\_c disorder *adj.* of or relating to genes (= parts of the DNA in cells) or the science of genes
60. pathogenic ba\_\_\_\_\_ia *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
61. re\_\_\_e song *v.* to create a new version of a work of art, such as a film, song, or play, using the same or similar material as the original; to adapt or update something for a new audience or purpose; (noun) a new version or adaptation of a previously existing movie, song, TV show, or other creative work
62. the DNA se\_\_\_\_\_ce *n.* a series of related events, actions, numbers, etc., which have a particular order

ANSWERS: 54. stable, 55. infection, 56. church, 57. incredible, 58. typical, 59. genetic, 60. bacteria, 61. remake, 62. sequence

63. re\_\_\_\_\_e a composition  
*v.* to write something such as a book or speech again in a different way, usually to improve it or add new information
64. mu\_\_\_\_\_ar contraction  
*adj.* of or relating to the muscles; having or suggesting great physical power or force
65. con\_\_\_\_\_te a large sum of money to the fund  
*v.* to give something, especially money or goods, to provide or achieve something together with other people
66. an et\_\_\_\_\_l doctrine  
*adj.* of or relating to principles about what is right and wrong, or the branch of knowledge dealing with these
67. in\_\_\_\_\_pt a call  
*v.* to say or do something that causes someone to stop in their speech or action
68. spare co\_\_\_\_\_nts for cars  
*n.* one of several parts that combines with others to form something bigger
69. b\_\_m 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
70. the ch\_\_\_\_\_ry of soil  
*n.* the branch of the natural sciences dealing with the composition of substances and their properties and reactions
71. a mu\_\_\_\_\_ar person  
*adj.* of or relating to the muscles; having or suggesting great physical power or force
72. get into a m\_\_s  
*n.* a state of confusion, dirtiness, or untidiness; (verb) to fail to do something or to make something dirty or untidy

ANSWERS: 63. rewrite, 64. muscular, 65. contribute, 66. ethical, 67. interrupt, 68. component, 69. beam, 70. chemistry, 71. muscular, 72. mess



73. small mo\_\_\_\_les *n.* a group of two or more atoms held together by attractive forces known as chemical bonds
74. wa\_\_\_\_d missile *n.* the explosive or destructive part of a missile, rocket, or other weapons that are designed to explode on impact or detonation
75. pre\_\_\_\_te in the army *v.* to be the most powerful, important, or frequent; to be more common or prevalent than others
76. pay an obl\_\_\_\_on *n.* the state of being morally or legally bound to do or pay something
77. lo\_\_\_\_e a missing pet *v.* to specify or determine the exact position of someone or something
78. mi\_\_\_\_ve with language *v.* to behave badly
79. me\_\_\_\_al chemistry *adj.* of or relating to the treatment or cure of disease
80. re\_\_\_\_e a world record *v.* to write something such as a book or speech again in a different way, usually to improve it or add new information
81. an\_\_\_\_a disease *n.* a medical condition in which the body lacks enough red blood cells or hemoglobin, causing fatigue, weakness, or difficulty breathing; a lack of vitality or liveliness in something
82. acc\_\_\_\_te cash value *v.* to collect or acquire a large number of things over a long period of time
83. severe cr\_\_\_\_c *n.* someone who expresses opinions about the quality of books, music, etc.

ANSWERS: 73. molecule, 74. warhead, 75. predominate, 76. obligation, 77. locate, 78. misbehave, 79. medicinal, 80. rewrite, 81. anemia, 82. accumulate, 83. critic

84. di\_\_\_\_\_e a device      *v.* to cause someone or something to become unable to function properly or as intended; to incapacitate or immobilize
85. non-fi\_\_\_\_\_n bestseller      *n.* the type of book or story, especially novels, that describes imaginary events and people; anything made up or imagined that is not true
86. re\_\_\_\_\_e the order      *v.* to change something's direction, order, position, decision, etc., to the opposite one; (adjective) directed or moving toward the rear
87. the most am\_\_\_\_\_g feeling      *adj.* extremely surprising, especially in a way that you like or admire
88. mi\_\_\_\_\_ch socks      *v.* to put together or match items that are not compatible or do not fit well together; to be different from or not correspond to something else
89. am\_\_\_\_\_g advances      *adj.* extremely surprising, especially in a way that you like or admire
90. ac\_\_\_\_\_e milestones      *v.* to successfully complete a task or goal, often through hard work, perseverance, and dedication; to attain or accomplish something that one has set out to do
91. con\_\_\_\_\_on rate      *n.* the act or process of changing something from one thing to another; the state of being changed
92. an und\_\_\_\_\_ng motive      *adj.* significant as a cause or basis of something but not immediately apparent or stated clearly

ANSWERS: 84. disable, 85. fiction, 86. reverse, 87. amazing, 88. mismatch, 89. amazing, 90. achieve, 91. conversion, 92. underlying

93. a l\_\_y in mass *n.* a tax or charge imposed by authority
94. fu\_\_\_\_on properly *n.* the purpose or use of an object, system, or process; a particular activity or operation that is designed to serve a specific purpose; a mathematical concept that describes a relationship between two sets of values, called the input and output sets; (verb) to operate or work in a specific way, or to perform a particular task or purpose
95. col\_\_\_\_\_te with the police *v.* to work with someone else to produce or achieve something
96. en\_\_\_\_\_er a storm *v.* to face something, particularly something unpleasant or difficult, while attempting to do something else; to meet, especially unexpectedly
97. su\_\_\_\_\_e a blizzard *v.* to live or exist despite a dangerous event or period
98. di\_\_\_\_\_e control *n.* a disorder or illness that affects the body or mind, often characterized by specific symptoms or abnormal functioning of organs or systems
99. with an am\_\_\_\_\_us eye *adj.* having a great desire to attain achievement, power, or wealth
100. develop software more eff\_\_\_\_\_ly *adv.* in a way that produces maximum output with minimum effort or expense
101. en\_\_\_\_\_er shortage *n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software

ANSWERS: 93. levy, 94. function, 95. collaborate, 96. encounter, 97. survive, 98. disease, 99. ambitious, 100. efficiently, 101. engineer

102. ac\_\_\_\_ic probation *adj.* associated with schools, colleges, and universities, especially studying and thinking, not with practical skills
103. the con\_\_\_\_\_ce of an argument *n.* the outcome of a particular action or event, especially relative to an individual
104. anthropology lab\_\_\_\_\_ry *n.* a workplace for doing scientific research or teaching science; a lab
105. sn\_\_\_\_\_t of wisdom *n.* a small piece or brief extract of something
106. cr\_\_\_\_\_ve writing *adj.* relating to or involving the use of skill and original and unusual ideas to create something
107. car\_\_\_\_\_lar diseases *adj.* of or relating to the heart and blood vessels (= tubes that carry blood around the body)
108. co\_\_\_\_\_al swimming pool *adj.* belonging to or used by a group rather than individuals; for common use
109. trigger a re\_\_\_\_\_on *n.* a response that reveals a person's feelings or attitude; (in chemistry) a process in which one or more substances are changed into others
110. na\_\_\_\_\_ly arising *adv.* as might be expected; by natural manners
111. in\_\_\_\_t a computer with a virus *v.* to affect a person, an animal, or a plant with a disease-causing organism
112. en\_\_\_\_\_ng story *adj.* attracting, pleasant, or charming
113. cl\_\_\_\_\_al surgery *adj.* of or relating to the examination and treatment of patients rather than theoretical or laboratory studies

ANSWERS: 102. academic, 103. consequence, 104. laboratory, 105. snippet, 106. creative, 107. cardiovascular, 108. communal, 109. reaction, 110. naturally, 111. infect, 112. engaging, 113. clinical

114. con\_\_\_\_\_on therapy *n.* the act or process of changing something from one thing to another; the state of being changed
115. de\_\_\_e on a course of action *v.* to make up someone's mind about something; to come to a conclusion or judgment after considering options
116. a glare of su\_\_\_\_\_ht *n.* the light emitted by the sun; the rays of the sun
117. chief ad\_\_\_\_\_r *n.* a person who gives advice about a particular subject
118. int\_\_\_\_\_ory biology text *adj.* intended as an introduction or preliminary; serving as a base or starting point
119. have dev\_\_\_\_\_ng effects *adj.* causing a great deal of destruction or damage
120. mu\_\_\_\_\_on of DNA *n.* the way in which genes of a person, plant, animal, or other organism change and produce permanent differences
121. hi\_\_\_\_\_ic accomplishment *adj.* famous or significant in history, or potentially so
122. un\_\_\_\_\_hy diet *adj.* not conducive to good health; detrimental to physical or mental well-being
123. ty\_\_\_\_\_l leader *adj.* having the usual characteristics or traits of a specific group of things
124. va\_\_\_\_\_t types of pigeon *n.* something that is slightly different from others of the same type
125. ex\_\_\_\_\_ng news *adj.* causing a lot of interest or excitement

ANSWERS: 114. conversion, 115. decide, 116. sunlight, 117. adviser, 118. introductory, 119. devastating, 120. mutation, 121. historic, 122. unhealthy, 123. typical, 124. variant, 125. exciting

126. cutting-edge bio\_\_\_\_\_al *adj.* relating to the application of the natural sciences, especially biology, and physiology, to clinical medicine and healthcare
127. co\_\_\_\_\_al combination of funds *adj.* belonging to or used by a group rather than individuals; for common use
128. pr\_\_\_\_\_e species *n.* any mammal of the order Primates, which includes monkeys, apes, and humans
129. pre\_\_\_\_\_te religion *v.* to be the most powerful, important, or frequent; to be more common or prevalent than others
130. et\_\_\_\_s of journalism *n.* a branch of philosophy that considers what is morally right and wrong conduct; a set of beliefs about what is morally right and wrong
131. b\_\_d the man's hands *v.* to tie or fasten someone or something tightly with rope, string, etc. so that they cannot move or are held together strongly
132. a structural b\_\_m 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
133. gr\_\_\_\_\_us condition *adj.* causing great suffering, pain, or sorrow; serious, grave, or dire
134. industry-sp\_\_\_\_\_ic regulations *adj.* clearly defined or particular to a certain thing or situation; distinct, explicit, and precise

ANSWERS: 126. biomedical, 127. communal, 128. primate, 129. predominate, 130. ethics, 131. bind, 132. beam, 133. grievous, 134. specific

135. historical no\_\_l *n.* an extended fictional work in prose; usually in the form of a story; (adjective) original and of a kind not seen before
136. de\_\_\_e this modification *v.* to remove something, especially that has been written; to wipe out digitally or magnetically recorded information
137. a spo\_\_\_\_\_us behavior *adj.* happening or being done naturally, often unexpected way, without being made to happen
138. bl\_\_k in astonishment *v.* to shut and open the eyes quickly; to gleam or glow in a regular or intermittent way
139. key mi\_\_\_\_\_ne *n.* an important event or stage in the development or progress of something; a stone by the side of a road to show distances
140. ch\_\_\_h bell *n.* a building or institution dedicated to religious worship or activities; a Christian religious organization or denomination
141. im\_\_\_\_\_e the test score *v.* to make or become better
142. b\_\_d old letters into a bundle *v.* to tie or fasten someone or something tightly with rope, string, etc. so that they cannot move or are held together strongly
143. shoulder et\_\_\_\_\_l responsibility *adj.* of or relating to principles about what is right and wrong, or the branch of knowledge dealing with these
144. pu\_\_\_e sweet potatoes *adj.* of a color intermediate between red and blue

ANSWERS: 135. novel, 136. delete, 137. spontaneous, 138. blink, 139. milestone, 140. church, 141. improve, 142. bind, 143. ethical, 144. purple

145. a ra\_\_\_m choice *adj.* made, done, or happening without method, conscious decision, or any regular pattern
146. ind\_\_\_\_\_al freedom *n.* a single person or thing, as distinct from a group
147. special de\_\_\_\_\_ry *n.* the act of taking or sending something to a destination; the bringing of a baby during childbirth
148. earn ap\_\_\_\_\_se *n.* a demonstration of approval or praise by clapping the hands together
149. re\_\_\_e a story *v.* to establish a connection or association between two or more things; to narrate or tell about an event, experience, or relationship; to empathize or feel sympathy with someone or something
150. re\_\_\_\_\_e the trend *v.* to change something's direction, order, position, decision, etc., to the opposite one; (adjective) directed or moving toward the rear
151. th\_\_\_\_\_y improving overall health *adv.* as a result; consequence of a particular action or set of conditions
152. bio\_\_\_\_\_al assay *adj.* relating to the application of the natural sciences, especially biology, and physiology, to clinical medicine and healthcare
153. re\_\_\_n a lawyer *v.* to keep or continue to possess or maintain something
154. he\_\_x structure *n.* a three-dimensional spiral shape or structure, particularly like that of a spring or a DNA molecule

ANSWERS: 145. random, 146. individual, 147. delivery, 148. applause, 149. relate, 150. reverse, 151. thereby, 152. biomedical, 153. retain, 154. helix



155. hem\_\_\_\_\_in level *n.* a protein-based molecule found in red blood cells that transports oxygen throughout the body
156. si\_\_\_e-shaped moon *n.* a tool consisting of a short curved blade with a handle, used for cutting grass or grain; also a symbol associated with harvest or death
157. chemical ad\_\_\_\_\_on *n.* the act or process of adding something to something else; the process of adding numbers
158. in\_\_\_\_\_t estate *v.* to receive money, property, or a title from someone after they have died
159. dis\_\_\_\_\_sh these two things *v.* to notice or understand the difference between two people or things
160. l\_b instrument *n.* a workplace for the conduct of scientific research; a laboratory
161. an ed\_\_\_\_\_al article *adj.* relating to the expression of opinions or interpretations in the media
162. gr\_\_\_\_\_us mistake *adj.* causing great suffering, pain, or sorrow; serious, grave, or dire
163. no asp\_\_\_\_\_on for fame *n.* a strong desire to achieve something; the action or process of drawing breath
164. a leave of ab\_\_\_\_\_e *n.* the fact or condition of being away from a place where they are typically anticipated to be
165. decision-making pr\_\_\_\_\_s *n.* a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products

ANSWERS: 155. hemoglobin, 156. sickle, 157. addition, 158. inherit, 159. distinguish, 160. lab, 161. editorial, 162. grievous, 163. aspiration, 164. absence, 165. process

166. a va\_\_\_\_\_t of the same word *n.* something that is slightly different from others of the same type
167. gov\_\_\_\_\_nt bureaucracy *n.* the group of people with authority to control a country or state
168. pr\_\_\_\_\_s improvement *n.* a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products
169. even more unf\_\_\_\_\_ely *adv.* by bad luck; unluckily
170. ge\_\_\_e analyses *n.* the complete set or sequence of genes of a human, animal, plant, or other living things
171. ac\_\_\_\_\_e success *v.* to successfully complete a task or goal, often through hard work, perseverance, and dedication; to attain or accomplish something that one has set out to do
172. su\_\_\_\_\_al ability *n.* the state of continuing to exist or live, frequently in the face of difficulty or danger
173. pr\_\_\_\_\_ia syndrome *n.* a rare genetic disorder that occurs in children and causes rapid aging and premature death, which is characterized by the appearance of aging-related symptoms, such as wrinkles and stiff joints, and typically leads to death in the teenage years

ANSWERS: 166. variant, 167. government, 168. process, 169. unfortunately, 170. genome, 171. achieve, 172. survival, 173. progeria

174. th\_\_\_\_y-obtained data *adv.* as a result; consequence of a particular action or set of conditions
175. lab\_\_\_\_\_ry accident *n.* a workplace for doing scientific research or teaching science; a lab
176. im\_\_\_\_\_e a process *v.* to make or become better
177. the rem\_\_\_\_\_le breadth of knowledge *adj.* worthy of attention because unusual or special
178. detect a vi\_\_l code *adj.* relating to or caused by a virus
179. co\_\_\_\_\_er of the university *n.* one of several people who establishes an organization or starts a business
180. immune fu\_\_\_\_\_on *n.* the purpose or use of an object, system, or process; a particular activity or operation that is designed to serve a specific purpose; a mathematical concept that describes a relationship between two sets of values, called the input and output sets; (verb) to operate or work in a specific way, or to perform a particular task or purpose
181. realistic ti\_\_\_\_\_le *n.* a period or interval of time, particularly one used as a standard for measuring or comparing other periods of time; a reference point or benchmark for the duration or length of a particular event or process
182. un\_\_\_\_\_ed attention *adj.* not wanted or desired
183. improve the lik\_\_\_\_\_od of a cure *n.* the probability or chance that something will happen or be the case

ANSWERS: 174. thereby, 175. laboratory, 176. improve, 177. remarkable, 178. viral, 179. cofounder, 180. function, 181. timescale, 182. unwanted, 183. likelihood

184. fr\_\_\_\_\_te other team members      *v.* to hinder or prevent efforts, plans, or desires from doing, succeeding, or being fulfilled; to make someone feel upset or annoyed because they are unable to change or achieve something
185. s\_\_p columns with rows      *v.* to give something and receive something in trade
186. pa\_\_\_\_\_t with weight loss      *n.* a person who is receiving medical treatment, care, or attention from a healthcare professional, such as a doctor, nurse, or therapist; a personal quality or characteristic
187. co\_\_\_\_\_t base 10 to base 16      *v.* to have a talk with someone; (adjective) reversed in order, relation, or action
188. sp\_\_\_\_\_y a cause      *v.* to explain or state something clearly and exactly
189. de\_\_\_d against a threat      *v.* to protect someone or something from attack, criticism, danger, etc.
190. st\_\_\_\_\_e through life      *v.* to miss a step and fall or nearly fall; to walk unsteadily
191. ca\_\_\_r research      *n.* abnormal growth of cells that can invade and destroy surrounding tissues and organs; a disease characterized by the uncontrolled growth and spread of abnormal cells
192. d\_\_f child      *adj.* lacking the ability to hear, or having impaired hearing; unresponsive or unaware of certain sounds or signals
193. harvest si\_\_\_e      *n.* a tool consisting of a short curved blade with a handle, used for cutting grass or grain; also a symbol associated with harvest or death

ANSWERS: 184. frustrate, 185. swap, 186. patient, 187. convert, 188. specify, 189. defend, 190. stumble, 191. cancer, 192. deaf, 193. sickle

194. a lunar pr\_\_e *n.* a tool used for testing or examining, especially for medical or scientific purposes, or an exploratory mission to a planet or other celestial body; (verb) to investigate, examine, or search into something
195. unf\_\_\_\_\_ely caught in a shower *adv.* by bad luck; unluckily
196. oxygen a\_\_m *n.* the smallest unit of ordinary matter that forms a chemical element, composed of a nucleus and one or more electrons bound to the nucleus
197. around the gl\_\_e *n.* the earth or world, mainly used to emphasize its vastness
198. art cr\_\_\_c *n.* someone who expresses opinions about the quality of books, music, etc.
199. se\_\_\_\_\_te video into chapter *v.* to force, take, or pull apart; mark as different
200. mo\_\_\_t income *adj.* having or showing a humble estimate of one's merits, importance, etc.; free from vanity, egotism, boastfulness, or great pretensions
201. re\_\_\_e a message *v.* to establish a connection or association between two or more things; to narrate or tell about an event, experience, or relationship; to empathize or feel sympathy with someone or something
202. acc\_\_\_\_\_te evidence *v.* to collect or acquire a large number of things over a long period of time
203. only a mo\_\_\_t fee *adj.* having or showing a humble estimate of one's merits, importance, etc.; free from vanity, egotism, boastfulness, or great pretensions

ANSWERS: 194. probe, 195. unfortunately, 196. atom, 197. globe, 198. critic, 199. separate, 200. modest, 201. relate, 202. accumulate, 203. modest

204. stress pr\_\_\_\_\_n      *n.* a molecule made up of a long chain of amino acids, which is essential for the structure and function of the body's tissues
205. 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
206. military st\_\_\_\_\_gy      *n.* a detailed plan of action designed to achieve a long-term or overall goal.
207. a bacterial in\_\_\_\_\_on      *n.* a condition in which pathogenic microorganisms or viruses have entered the body
208. c\_\_p field      *n.* a plant that is cultivated in large amounts, particularly for food
209. in\_\_\_\_\_t ancestral property      *v.* to receive money, property, or a title from someone after they have died
210. fr\_\_\_\_\_e ecosystem      *adj.* delicate or easily broken or damaged
211. col\_\_\_\_\_te on a press release      *v.* to work with someone else to produce or achieve something
212. terrestrial gl\_\_e      *n.* the earth or world, mainly used to emphasize its vastness
213. a strain of vi\_\_s      *n.* a tiny infectious organic material that causes disease in people, animals, and plants
214. dy\_\_\_\_\_hy of cervical cartilage      *n.* a group of inherited disorders that involve the progressive weakening and wasting of muscles or tissues, often leading to disability or organ failure; commonly characterized by muscle weakness, atrophy, and degeneration

ANSWERS: 204. protein, 205. bet, 206. strategy, 207. infection, 208. crop, 209. inherit, 210. fragile, 211. collaborate, 212. globe, 213. virus, 214. dystrophy

215. a learning-di\_\_\_\_\_ed child      *adj.* having a physical or mental condition that limits someone's specific actions that most other people can do
216. de\_\_\_e a question      *v.* to make up someone's mind about something; to come to a conclusion or judgment after considering options
217. pr\_\_\_\_\_n synthesis      *n.* a molecule made up of a long chain of amino acids, which is essential for the structure and function of the body's tissues
218. ha\_\_\_\_\_ss in most people      *adj.* not able or not likely to cause damage or harm
219. the student who had mi\_\_\_\_\_ved      *v.* to behave badly
220. ty\_\_\_\_\_ne kinase      *n.* an amino acid that is essential for the synthesis of proteins in the body that is referred to as a non-essential amino acid because the body can produce it, although it is also present in some foods
221. a deep obl\_\_\_\_\_on      *n.* the state of being morally or legally bound to do or pay something
222. a medical ad\_\_\_\_\_r      *n.* a person who gives advice about a particular subject
223. not\_\_\_\_\_ing my protests      *adv.* despite anything to the contrary; nevertheless; (preposition) despite or in spite of
224. d\_\_f in one ear      *adj.* lacking the ability to hear, or having impaired hearing; unresponsive or unaware of certain sounds or signals

ANSWERS: 215. disabled, 216. decide, 217. protein, 218. harmless, 219. misbehave, 220. tyrosine, 221. obligation, 222. adviser, 223. notwithstanding, 224. deaf

225. the se\_\_\_\_\_ce of the seasons      *n.* a series of related events, actions, numbers, etc., which have a particular order
226. ab\_\_\_\_\_e from work      *n.* the fact or condition of being away from a place where they are typically anticipated to be
227. have ge\_\_\_\_\_c testing      *adj.* of or relating to genes (= parts of the DNA in cells) or the science of genes
228. re\_\_\_\_\_ge the furniture      *v.* to change the order or position of things already made; to change the time, date, or place of an event already planned
229. intensive agr\_\_\_\_\_re      *n.* the practice or science of cultivating the land or raising stock
230. ca\_\_\_\_r diagnosis      *n.* abnormal growth of cells that can invade and destroy surrounding tissues and organs; a disease characterized by the uncontrolled growth and spread of abnormal cells
231. rel\_\_\_\_\_ss attack      *adj.* persistent and determined; continuing despite difficulties or setbacks
232. re\_\_\_\_\_le her mother      *v.* to look like or be similar to someone or something
233. con\_\_\_\_\_te to society      *v.* to give something, especially money or goods, to provide or achieve something together with other people
234. the me\_\_\_\_\_sm for DNA replication      *n.* a part of a machine, or a set of parts that performs a task; a natural or established process that occurs during a specific situation or reaction

ANSWERS: 225. sequence, 226. absence, 227. genetic, 228. rearrange, 229. agriculture, 230. cancer, 231. relentless, 232. resemble, 233. contribute, 234. mechanism



235. treat this dev\_\_\_\_\_ng disease      *adj.* causing a great deal of destruction or damage
236. de\_\_\_\_\_p a skill      *v.* to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created
237. con\_\_\_\_\_al disorder      *adj.* existing from birth; often used to describe a condition or trait that is inherited or present from the moment of birth
238. di\_\_\_\_\_e a setting      *v.* to cause someone or something to become unable to function properly or as intended; to incapacitate or immobilize
239. in\_\_\_\_\_t coin      *v.* to put something inside something else
240. phe\_\_\_\_\_ria test      *n.* a genetic disorder that causes a build-up of phenylalanine (= an essential amino acid) in the body and can lead to intellectual disability, behavioral problems, seizures, and other physical and mental health issues
241. mi\_\_\_\_\_ne event      *n.* an important event or stage in the development or progress of something; a stone by the side of a road to show distances
242. traditional me\_\_\_\_\_al      *adj.* of or relating to the treatment or cure of disease

ANSWERS: 235. devastating, 236. develop, 237. congenital, 238. disable, 239. insert, 240. phenylketonuria, 241. milestone, 242. medicinal

243. key co\_\_\_\_\_nt *n.* one of several parts that combines with others to form something bigger
244. un\_\_\_\_\_ed guests *adj.* not wanted or desired
245. toxic ch\_\_\_\_\_als *adj.* relating to or connected with chemistry;
246. a n\_\_k on the fender of a car *n.* a small cut, notch, or indentation in a surface or an edge
247. the ma\_\_\_\_\_m speed *adj.* the largest or greatest amount or value attainable or attained
248. re\_\_\_\_\_le each other *v.* to look like or be similar to someone or something
249. asp\_\_\_\_\_on into the lungs *n.* a strong desire to achieve something; the action or process of drawing breath
250. chemical re\_\_\_\_\_on *n.* a response that reveals a person's feelings or attitude; (in chemistry) a process in which one or more substances are changed into others
251. harmless ba\_\_\_\_\_ia *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
252. tr\_\_\_\_\_rm heat into power *v.* to change in outward structure or looks;
253. pa\_\_\_\_\_t in the hospital *n.* a person who is receiving medical treatment, care, or attention from a healthcare professional, such as a doctor, nurse, or therapist; a personal quality or characteristic

ANSWERS: 243. component, 244. unwanted, 245. chemical, 246. nick, 247. maximum, 248. resemble, 249. aspiration, 250. reaction, 251. bacteria, 252. transform, 253. patient

254. a civil en\_\_\_\_\_er  
*n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software
255. mo\_\_\_\_\_ar biology  
*adj.* of or relating to molecules (= a group of two or more atoms held together by attractive forces known as chemical bonds)
256. evolutionary bi\_\_\_\_\_y  
*n.* the scientific study of life and the natural processes of living things
257. a di\_\_\_\_\_ed veteran  
*adj.* having a physical or mental condition that limits someone's specific actions that most other people can do
258. pr\_\_\_\_\_d to the next step  
*v.* to move forward or to continue with a process or action; to advance or progress
259. plant pa\_\_\_\_\_en  
*n.* a bacterium, virus, or other microorganism that causes disease
260. f\_\_t accomplishment  
*n.* a notable or impressive achievement, especially one that requires great skill or bravery
261. go to the workplace by cy\_\_e  
*n.* an interval during which a recurring sequence of events occurs; a bicycle or motorcycle
262. lo\_\_\_e a tumor  
*v.* to specify or determine the exact position of someone or something
263. sur\_\_\_\_\_ng areas  
*adj.* that is near or around, or closely encircling something
264. ev\_\_\_e  
*v.* to develop gradually, or to cause the development of something or someone gradually

ANSWERS: 254. engineer, 255. molecular, 256. biology, 257. disabled, 258. proceed, 259. pathogen, 260. feat, 261. cycle, 262. locate, 263. surrounding, 264. evolve

265. gain ed\_\_\_\_\_al help *adj.* relating to the expression of opinions or interpretations in the media
266. intellectual f\_\_t *n.* a notable or impressive achievement, especially one that requires great skill or bravery
267. dis\_\_\_\_\_sh man from the other animals *v.* to notice or understand the difference between two people or things
268. an en\_\_\_\_\_ng smile *adj.* attracting, pleasant, or charming
269. e\_\_t a video *v.* to prepare written material for publication by correcting, condensing, or otherwise modifying it
270. b\_t on a race *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
271. cell and molecular bi\_\_\_\_\_y *n.* the scientific study of life and the natural processes of living things
272. spo\_\_\_\_\_us labor *adj.* happening or being done naturally, often unexpected way, without being made to happen
273. code sn\_\_\_\_\_t *n.* a small piece or brief extract of something
274. a fence sur\_\_\_\_\_ng a castle *adj.* that is near or around, or closely encircling something
275. co\_\_t members *v.* to elect or appoint someone as a member of a group or organization; to take over or appropriate something, often by force or without permission; to use someone or something for one's purposes or agenda

ANSWERS: 265. editorial, 266. feat, 267. distinguish, 268. engaging, 269. edit, 270. bet, 271. biology, 272. spontaneous, 273. snippet, 274. surrounding, 275. co-opt

276. late co\_\_\_\_\_er *n.* one of several people who establishes an organization or starts a business
277. st\_\_\_\_\_e financially *v.* to miss a step and fall or nearly fall; to walk unsteadily
278. at inc\_\_\_\_\_le speed *adj.* unbelievable; enormous
279. ev\_\_\_\_\_e over the past decade *v.* to develop gradually, or to cause the development of something or someone gradually
280. in direct su\_\_\_\_\_ht *n.* the light emitted by the sun; the rays of the sun
281. off\_\_\_\_\_et effects *adj.* referring to something that misses the intended goal or objective; not reaching or affecting the intended target, often used to describe a weapon, technology, or medical treatment
282. politically fr\_\_\_\_\_e nation *adj.* delicate or easily broken or damaged
283. fr\_\_\_\_\_te the advancement *v.* to hinder or prevent efforts, plans, or desires from doing, succeeding, or being fulfilled; to make someone feel upset or annoyed because they are unable to change or achieve something
284. su\_\_\_\_\_al food *n.* the state of continuing to exist or live, frequently in the face of difficulty or danger
285. medical l\_b *n.* a workplace for the conduct of scientific research; a laboratory
286. ty\_\_\_\_\_ne metabolism *n.* an amino acid that is essential for the synthesis of proteins in the body that is referred to as a non-essential amino acid because the body can produce it, although it is also present in some foods

ANSWERS: 276. cofounder, 277. stumble, 278. incredible, 279. evolve, 280. sunlight, 281. off-target, 282. fragile, 283. frustrate, 284. survival, 285. lab, 286. tyrosine

287. co\_\_\_\_\_t fat into energy      *v.* to have a talk with someone; (adjective) reversed in order, relation, or action
288. su\_\_\_\_\_e a plane crash      *v.* to live or exist despite a dangerous event or period
289. sp\_\_\_\_\_y an option      *v.* to explain or state something clearly and exactly
290. de\_\_\_\_d my country      *v.* to protect someone or something from attack, criticism, danger, etc.
291. face rel\_\_\_\_\_ss pressure      *adj.* persistent and determined; continuing despite difficulties or setbacks
292. na\_\_\_\_\_ly regenerated forest      *adv.* as might be expected; by natural manners
293. accident-pr\_\_e      *adj.* inclined or likely to do something or to show a particular characteristic, especially something bad; lying face downward
294. as\_\_\_\_\_te with people widely      *v.* to mentally connect someone or something with someone or something else
295. in\_\_\_\_t a graphic      *v.* to put something inside something else
296. not\_\_\_\_\_ing the preceding provisions      *adv.* despite anything to the contrary; nevertheless; (preposition) despite or in spite of
297. e\_\_t a history book      *v.* to prepare written material for publication by correcting, condensing, or otherwise modifying it
298. de\_\_\_\_\_te a chapter to the subject      *v.* to give all of your energy, time, etc., entirely to a specific person, activity, or cause; to set apart for a particular purpose or use

ANSWERS: 287. convert, 288. survive, 289. specify, 290. defend, 291. relentless, 292. naturally, 293. prone, 294. associate, 295. insert, 296. notwithstanding, 297. edit, 298. dedicate

299. no\_\_l effect *n.* an extended fictional work in prose; usually in the form of a story; (adjective) original and of a kind not seen before
300. s\_\_p seats *v.* to give something and receive something in trade
301. car\_\_\_\_\_lar tissue *adj.* of or relating to the heart and blood vessels (= tubes that carry blood around the body)
302. long-ti\_\_\_\_\_le *n.* a period or interval of time, particularly one used as a standard for measuring or comparing other periods of time; a reference point or benchmark for the duration or length of a particular event or process
303. have a st\_\_\_e job *adj.* firm and steady; not easily moved, disturbed, or changed
304. sequencing of the human ge\_\_\_e *n.* the complete set or sequence of genes of a human, animal, plant, or other living things
305. ad\_\_\_\_\_on of vectors *n.* the act or process of adding something to something else; the process of adding numbers
306. tha\_\_\_\_\_ia minor *n.* a group of inherited blood disorders characterized by inadequate or abnormal synthesis of hemoglobin, the protein in red blood cells that carries oxygen; resulting in anemia, fatigue, and other symptoms
307. achieve the hi\_\_\_\_\_ic feat *adj.* famous or significant in history, or potentially so

ANSWERS: 299. novel, 300. swap, 301. cardiovascular, 302. timescale, 303. stable, 304. genome, 305. addition, 306. thalassemia, 307. historic

308. an und\_\_\_\_\_ng cause of an accident  
*adj.* significant as a cause or basis of something but not immediately apparent or stated clearly
309. organic agr\_\_\_\_\_re  
*n.* the practice or science of cultivating the land or raising stock
310. political et\_\_\_\_s  
*n.* a branch of philosophy that considers what is morally right and wrong conduct; a set of beliefs about what is morally right and wrong
311. phe\_\_\_\_\_ria diet  
*n.* a genetic disorder that causes a build-up of phenylalanine (= an essential amino acid) in the body and can lead to intellectual disability, behavioral problems, seizures, and other physical and mental health issues
312. dy\_\_\_\_\_hy treatment  
*n.* a group of inherited disorders that involve the progressive weakening and wasting of muscles or tissues, often leading to disability or organ failure; commonly characterized by muscle weakness, atrophy, and degeneration
313. professor of ch\_\_\_\_\_ry  
*n.* the branch of the natural sciences dealing with the composition of substances and their properties and reactions
314. video game re\_\_\_\_e  
*v.* to create a new version of a work of art, such as a film, song, or play, using the same or similar material as the original; to adapt or update something for a new audience or purpose; (noun) a new version or adaptation of a previously existing movie, song, TV show, or other creative work

ANSWERS: 308. underlying, 309. agriculture, 310. ethics, 311. phenylketonuria, 312. dystrophy, 313. chemistry, 314. remake



315. in\_\_\_t other animal species      *v.* to affect a person, an animal, or a plant with a disease-causing organism
316. stuff of science fi\_\_\_\_\_n      *n.* the type of book or story, especially novels, that describes imaginary events and people; anything made up or imagined that is not true
317. de\_\_\_\_\_p a strategy      *v.* to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created
318. have a whole m\_\_s      *n.* a state of confusion, dirtiness, or untidiness; (verb) to fail to do something or to make something dirty or untidy
319. hereditary mu\_\_\_\_\_on      *n.* the way in which genes of a person, plant, animal, or other organism change and produce permanent differences
320. ex\_\_\_\_\_ng football player      *adj.* causing a lot of interest or excitement
321. as\_\_\_\_\_te alcohol with gambling      *v.* to mentally connect someone or something with someone or something else
322. spread of the vi\_\_s      *n.* a tiny infectious organic material that causes disease in people, animals, and plants
323. br\_\_e soldier      *adj.* showing courage or fearlessness in the face of danger, difficulty, or adversity
324. mi\_\_\_\_\_e of emotions      *n.* a combination of different elements, substances, or entities, usually in non-uniform proportions, resulting in a homogeneous or heterogeneous blend of physical or chemical properties

ANSWERS: 315. infect, 316. fiction, 317. develop, 318. mess, 319. mutation, 320. exciting, 321. associate, 322. virus, 323. brave, 324. mixture

325. perfect mi\_\_\_\_e  
*n.* a combination of different elements, substances, or entities, usually in non-uniform proportions, resulting in a homogeneous or heterogeneous blend of physical or chemical properties
326. un\_\_\_\_hy habit  
*adj.* not conducive to good health; detrimental to physical or mental well-being
327. a ch\_\_\_\_al compound  
*adj.* relating to or connected with chemistry;
328. mo\_\_\_\_le behavior  
*n.* a group of two or more atoms held together by attractive forces known as chemical bonds
329. barren of cr\_\_\_\_ve spirit  
*adj.* relating to or involving the use of skill and original and unusual ideas to create something
330. di\_\_\_\_e prevention  
*n.* a disorder or illness that affects the body or mind, often characterized by specific symptoms or abnormal functioning of organs or systems
331. con\_\_\_\_al disease  
*adj.* existing from birth; often used to describe a condition or trait that is inherited or present from the moment of birth
332. co\_\_\_\_t ideas  
*v.* to elect or appoint someone as a member of a group or organization; to take over or appropriate something, often by force or without permission; to use someone or something for one's purposes or agenda

ANSWERS: 325. mixture, 326. unhealthy, 327. chemical, 328. molecule, 329. creative, 330. disease, 331. congenital, 332. co-opt

333. br\_\_e decision *adj.* showing courage or fearlessness in the face of danger, difficulty, or adversity
334. off\_\_\_\_\_et inhibition *adj.* referring to something that misses the intended goal or objective; not reaching or affecting the intended target, often used to describe a weapon, technology, or medical treatment
335. pr\_\_\_\_\_ia genetics *n.* a rare genetic disorder that occurs in children and causes rapid aging and premature death, which is characterized by the appearance of aging-related symptoms, such as wrinkles and stiff joints, and typically leads to death in the teenage years
336. pr\_\_\_\_\_d with caution *v.* to move forward or to continue with a process or action; to advance or progress
337. the pa\_\_\_\_\_en in the air *n.* a bacterium, virus, or other microorganism that causes disease
338. unintended con\_\_\_\_\_ces *n.* the outcome of a particular action or event, especially relative to an individual
339. neutral hydrogen a\_\_ms *n.* the smallest unit of ordinary matter that forms a chemical element, composed of a nucleus and one or more electrons bound to the nucleus
340. mo\_\_\_\_\_ar structure *adj.* of or relating to molecules (= a group of two or more atoms held together by attractive forces known as chemical bonds)

ANSWERS: 333. brave, 334. off-target, 335. progeria, 336. proceed, 337. pathogen, 338. consequence, 339. atom, 340. molecular

341. ma\_\_\_\_\_m limit *adj.* the largest or greatest amount or value attainable or attained
342. tr\_\_\_\_\_rm an education system *v.* to change in outward structure or looks;
343. re\_\_\_\_\_e a phone *v.* to take the place of something
344. participate in cl\_\_\_\_\_al trials *adj.* of or relating to the examination and treatment of patients rather than theoretical or laboratory studies
345. en\_\_\_\_\_er a crisis *v.* to face something, particularly something unpleasant or difficult, while attempting to do something else; to meet, especially unexpectedly
346. achieve am\_\_\_\_\_us goals *adj.* having a great desire to attain achievement, power, or wealth
347. di\_\_\_\_\_t sleep *v.* to prevent or stop something, especially an event, activity, or process, from continuing in the usual way by causing a problem or disturbance
348. mi\_\_\_\_\_ch expectations *v.* to put together or match items that are not compatible or do not fit well together; to be different from or not correspond to something else

ANSWERS: 341. maximum, 342. transform, 343. replace, 344. clinical, 345. encounter, 346. ambitious, 347. disrupt, 348. mismatch

## Session 3: Fill in the Blanks

1. He \_\_\_\_\_ his life to helping others.
  - v.* to give all of your energy, time, etc., entirely to a specific person, activity, or cause; to set apart for a particular purpose or use
  
2. As an \_\_\_\_\_ he had the right to make his own decisions and live his life as he saw fit.
  - n.* a single person or thing, as distinct from a group
  
3. Hospitals must meet various standards to prevent nosocomial \_\_\_\_\_.
  - n.* a condition in which pathogenic microorganisms or viruses have entered the body
  
4. He tried to \_\_\_\_\_ his experience to the group, but they couldn't understand.
  - v.* to establish a connection or association between two or more things; to narrate or tell about an event, experience, or relationship; to empathize or feel sympathy with someone or something
  
5. The \_\_\_\_\_ burst from the audience.
  - n.* a demonstration of approval or praise by clapping the hands together
  
6. The findings of the experiment were both \_\_\_\_\_ and unexpected.
  - adj.* causing a lot of interest or excitement
  
7. The federal \_\_\_\_\_ is planning to increase taxes for the next fiscal year.
  - n.* the group of people with authority to control a country or state
  
8. I bought a gadget before my trip to help \_\_\_\_\_ stress during the flight.
  - v.* to make something, especially something bad, small or less serious

ANSWERS: 1. dedicated, 2. individual, 3. infections, 4. relate, 5. applause, 6. exciting, 7. government, 8. minimize

9. The plant has a stunning \_\_\_\_\_ blossom.

*adj.* of a color intermediate between red and blue

10. They awaited news of the \_\_\_\_\_ of the election.

*n.* the result or effect of an action, event, etc.

11. The robot can accurately \_\_\_\_\_ construction material.

*v.* to specify or determine the exact position of someone or something

12. The \_\_\_\_\_ firefighter rescued the family from the burning building.

*adj.* showing courage or fearlessness in the face of danger, difficulty, or adversity

13. It is an incredible \_\_\_\_\_ to climb Mount Everest, the highest mountain in the world.

*n.* a notable or impressive achievement, especially one that requires great skill or bravery

14. \_\_\_\_\_ his disapproval, the decree was passed.

*adv.* despite anything to the contrary; nevertheless; (preposition) despite or in spite of

15. The older man \_\_\_\_\_ from arthritis and finds it difficult to move around.

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

16. Don't \_\_\_\_\_ horses while crossing a stream.

*v.* to give something and receive something in trade

17. I'm prepared to \_\_\_\_\_ challenges throughout this adventure.

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

ANSWERS: 9. purple, 10. outcome, 11. locate, 12. brave, 13. feat, 14. Notwithstanding, 15. suffers, 16. swap, 17. encounter

18. The crowd broke out into \_\_\_\_\_ laughter.

*adj.* happening or being done naturally, often unexpected way, without being made to happen

19. International law allows each nation to \_\_\_\_\_ itself when its rights and interests are illegally violated.

*v.* to protect someone or something from attack, criticism, danger, etc.

20. This company \_\_\_\_\_ its battery problem completely.

*v.* to find a suitable answer to the problems or difficulty

21. The golfer recorded an \_\_\_\_\_ distance.

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

22. The election was a \_\_\_\_\_ success for the Whigs.

*adj.* worthy of attention because unusual or special

23. The \_\_\_\_\_ mountains make the city difficult to be invaded.

*adj.* that is near or around, or closely encircling something

24. The brothers \_\_\_\_\_ each other in the hobby.

*v.* to look like or be similar to someone or something

25. The \_\_\_\_\_ will repair my telephone tomorrow morning.

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

26. Government workers cannot \_\_\_\_\_ to political campaigns.

*v.* to give something, especially money or goods, to provide or achieve something together with other people

ANSWERS: 18. spontaneous, 19. defend, 20. resolves, 21. amazing, 22. remarkable, 23. surrounding, 24. resemble, 25. engineer, 26. contribute

27. \_\_\_\_\_ elections were held in several European countries.  
*adj.* belonging to or used by a group rather than individuals; for common use
28. \_\_\_\_\_ 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
29. The \_\_\_\_ student needed an interpreter to understand the lecture.  
*adj.* lacking the ability to hear, or having impaired hearing; unresponsive or unaware of certain sounds or signals
30. The \_\_\_\_\_ of the project being completed on time is uncertain.  
*n.* the probability or chance that something will happen or be the case
31. Sitting for long hours in front of the computer is considered \_\_\_\_\_.  
*adj.* not conducive to good health; detrimental to physical or mental well-being
32. The treatments were done but, \_\_\_\_\_ were unsuccessful.  
*adv.* by bad luck; unluckily
33. The Chinese people have accomplished several \_\_\_\_\_ feats.  
*adj.* famous or significant in history, or potentially so
34. The majority of consumers \_\_\_\_\_ this brand with quality.  
*v.* to mentally connect someone or something with someone or something else
35. This study \_\_\_\_\_ four different ways to run a business.  
*v.* to notice or understand the difference between two people or things

ANSWERS: 27. Communal, 28. Bacteria, 29. deaf, 30. likelihood, 31. unhealthy, 32. unfortunately, 33. historic, 34. associate, 35. distinguished



36. 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
37. The DNA molecule is shaped like a double \_\_\_\_\_.
- n.* a three-dimensional spiral shape or structure, particularly like that of a spring or a DNA molecule
38. It was unbelievable that they should \_\_\_\_\_.
- v.* to behave badly
39. He evaluated his chances for \_\_\_\_\_ rather pessimistically.
- n.* the state of continuing to exist or live, frequently in the face of difficulty or danger
40. The new software will streamline the workflow, \_\_\_\_\_ increasing productivity.
- adv.* as a result; consequence of a particular action or set of conditions
41. All the supervisor has to do is assign tasks that make his subordinates more \_\_\_\_\_.
- adj.* relating to or involving the use of skill and original and unusual ideas to create something
42. We do move forward with those tasks in \_\_\_\_\_ next week.
- n.* a series of related events, actions, numbers, etc., which have a particular order
43. I will work hard to \_\_\_\_\_ my goals and realize my dreams.
- v.* to successfully complete a task or goal, often through hard work, perseverance, and dedication; to attain or accomplish something that one has set out to do

ANSWERS: 36. develop, 37. helix, 38. misbehave, 39. survival, 40. thereby, 41. creative, 42. sequence, 43. achieve

44. \_\_\_\_\_ weight is the sum of all the atoms.

*adj.* of or relating to molecules (= a group of two or more atoms held together by attractive forces known as chemical bonds)

45. \_\_\_\_\_ engineering focuses on developing new medical technologies and innovations to improve patient health outcomes.

*adj.* relating to the application of the natural sciences, especially biology, and physiology, to clinical medicine and healthcare

46. She worked hard to treat her \_\_\_\_\_ dystrophy.

*adj.* of or relating to the muscles; having or suggesting great physical power or force

47. The company's rules \_\_\_\_\_ the employee's working hours.

*v.* to tie or fasten someone or something tightly with rope, string, etc. so that they cannot move or are held together strongly

48. The food chain causes a material \_\_\_\_\_.

*n.* an interval during which a recurring sequence of events occurs; a bicycle or motorcycle

49. The athlete's \_\_\_\_\_ training paid off in the end.

*adj.* persistent and determined; continuing despite difficulties or setbacks

50. I need to \_\_\_\_\_ this document before submitting it to my boss.

*v.* to prepare written material for publication by correcting, condensing, or otherwise modifying it

51. I'm so sorry to \_\_\_\_\_ you when you're pretty busy.

*v.* to prevent or stop something, especially an event, activity, or process, from continuing in the usual way by causing a problem or disturbance

ANSWERS: 44. Molecular, 45. Biomedical, 46. muscular, 47. bind, 48. cycle, 49. relentless, 50. edit, 51. disrupt

52. Radiation from \_\_\_\_\_ has a different wavelength.

*n.* the light emitted by the sun; the rays of the sun

53. Highlight the sentences that you want to \_\_\_\_\_.

*v.* to remove something, especially that has been written; to wipe out digitally or magnetically recorded information

54. mRNA vaccines are approved faster because they do not contain inactivated \_\_\_\_\_.

*n.* a bacterium, virus, or other microorganism that causes disease

55. This device can more accurately detect \_\_\_\_\_ pathogens.

*adj.* relating to or caused by a virus

56. She received special \_\_\_\_\_ training at the hospital.

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

57. She couldn't \_\_\_\_\_ whether to order the pizza or the pasta for dinner.

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

58. Reaching the \_\_\_\_\_ of 1000 subscribers on her SNS channel was a major achievement for her.

*n.* an important event or stage in the development or progress of something; a stone by the side of a road to show distances

59. After his death, his sons \_\_\_\_\_ his business.

*v.* to receive money, property, or a title from someone after they have died

ANSWERS: 52. sunlight, 53. delete, 54. pathogens, 55. viral, 56. clinical, 57. decide, 58. milestone, 59. inherited

60. Her response revealed \_\_\_\_\_ idiocy.

*adj.* unbelievable; enormous

61. Eventually, the new design will \_\_\_\_\_ all older models.

*v.* to take the place of something

62. She was \_\_\_\_\_ in a car accident.

*adj.* having a physical or mental condition that limits someone's specific actions that most other people can do

63. My father's death \_\_\_\_\_ my life completely.

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

64. She \_\_\_\_\_ over the tree root.

*v.* to miss a step and fall or nearly fall; to walk unsteadily

65. Despite his many achievements, he remained \_\_\_\_\_ and down-to-earth.

*adj.* having or showing a humble estimate of one's merits, importance, etc.; free from vanity, egotism, boastfulness, or great pretensions

66. The \_\_\_\_\_ gene mutation can cause genetic disorders such as sickle cell disease.

*n.* a protein-based molecule found in red blood cells that transports oxygen throughout the body

67. 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

ANSWERS: 60. incredible, 61. replace, 62. disabled, 63. transformed, 64. stumbled, 65. modest, 66. hemoglobin, 67. patient's

68. The vase was made of \_\_\_\_\_ ceramic and easily broke when it was dropped.  
*adj.* delicate or easily broken or damaged
69. These birds can only \_\_\_\_\_ in temperate climates.  
*v.* to live or exist despite a dangerous event or period
70. He has an \_\_\_\_\_ to become a doctor.  
*n.* a strong desire to achieve something; the action or process of drawing breath
71. He was \_\_\_\_\_ to making rash decisions.  
*adj.* inclined or likely to do something or to show a particular characteristic, especially something bad; lying face downward
72. We need to \_\_\_\_\_ the aspect of his personality from the part of his competence when making an investment decision.  
*v.* to force, take, or pull apart; mark as different
73. He \_\_\_\_\_ in the dazzling sunlight.  
*v.* to shut and open the eyes quickly; to gleam or glow in a regular or intermittent way
74. 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
75. She \_\_\_\_\_ a new chapter into her manuscript.  
*v.* to put something inside something else

ANSWERS: 68. fragile, 69. survive, 70. aspiration, 71. prone, 72. separate, 73. blinked, 74. function, 75. inserted

76. The \_\_\_\_\_ truck arrived with the packages.

*n.* the act of taking or sending something to a destination; the bringing of a baby during childbirth

77. Children with \_\_\_\_\_ often have a small body size and are prone to heart problems.

*n.* a rare genetic disorder that occurs in children and causes rapid aging and premature death, which is characterized by the appearance of aging-related symptoms, such as wrinkles and stiff joints, and typically leads to death in the teenage years

78. Sow early for an early \_\_\_\_\_.

*n.* a plant that is cultivated in large amounts, particularly for food

79. An excellent historian must possess an \_\_\_\_\_ mentality.

*adj.* associated with schools, colleges, and universities, especially studying and thinking, not with practical skills

80. \_\_\_\_\_ is the foundation of our economy.

*n.* the practice or science of cultivating the land or raising stock

81. Smoking places you at severe risk of \_\_\_\_\_ and respiratory disease.

*adj.* of or relating to the heart and blood vessels (= tubes that carry blood around the body)

82. The joke fell \_\_\_\_\_ and didn't get any laughs from the audience.

*adj.* referring to something that misses the intended goal or objective; not reaching or affecting the intended target, often used to describe a weapon, technology, or medical treatment

ANSWERS: 76. delivery, 77. progeria, 78. crop, 79. academic, 80. Agriculture, 81. cardiovascular, 82. off-target

83. The researchers try to discover a common \_\_\_\_\_ in all types of successful organizations.  
*n.* one of several parts that combines with others to form something bigger
84. Their company has been in business for a short time but has \_\_\_\_\_ goals.  
*adj.* having a great desire to attain achievement, power, or wealth
85. The first \_\_\_\_\_ of the virus appeared in less than a month.  
*n.* something that is slightly different from others of the same type
86. Muscular \_\_\_\_\_ is a genetic disease that causes weakness and degeneration of muscles over time.  
*n.* a group of inherited disorders that involve the progressive weakening and wasting of muscles or tissues, often leading to disability or organ failure; commonly characterized by muscle weakness, atrophy, and degeneration
87. He has \_\_\_\_\_ his wealth through real estate investments.  
*v.* to collect or acquire a large number of things over a long period of time
88. In \_\_\_\_\_ private corporations provide healthcare services.  
*n.* the act or process of adding something to something else; the process of adding numbers
89. \_\_\_\_\_ major is a severe form of anemia requiring regular blood transfusions.  
*n.* a group of inherited blood disorders characterized by inadequate or abnormal synthesis of hemoglobin, the protein in red blood cells that carries oxygen; resulting in anemia, fatigue, and other symptoms
90. The journalist saved a \_\_\_\_\_ of the interview for later reference.  
*n.* a small piece or brief extract of something

ANSWERS: 83. component, 84. ambitious, 85. variant, 86. dystrophy, 87. accumulated, 88. addition, 89. Thalassemia, 90. snippet

91. 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
92. You are under no \_\_\_\_\_ to finish the job.  
*n.* the state of being morally or legally bound to do or pay something
93. The scientist conducted a study that provided \_\_\_\_\_ details about the species' behavior.  
*adj.* clearly defined or particular to a certain thing or situation; distinct, explicit, and precise
94. I heard several melodic \_\_\_\_\_ simultaneously.  
*n.* a very thin natural or synthetic thread, wire, hair, etc.; (verb) to leave or drive a vessel, fish, etc., aground or ashore
95. We can resolve support requests quickly and \_\_\_\_\_ by utilization of AI.  
*adv.* in a way that produces maximum output with minimum effort or expense
96. 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
97. The missile launch was successful, and the \_\_\_\_\_ hit its intended target.  
*n.* the explosive or destructive part of a missile, rocket, or other weapons that are designed to explode on impact or detonation
98. Her sleep was \_\_\_\_\_ by recurring pain.  
*v.* to say or do something that causes someone to stop in their speech or action

ANSWERS: 91. mutations, 92. obligation, 93. specific, 94. strands, 95. efficiently, 96. protein, 97. warhead, 98. interrupted



99. The \_\_\_\_\_ injury he sustained in the car accident left him unable to walk.  
*adj.* causing great suffering, pain, or sorrow; serious, grave, or dire
100. 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
101. The blade of the \_\_\_\_\_ glinted in the sunlight as he swung it back and forth.  
*n.* a tool consisting of a short curved blade with a handle, used for cutting grass or grain; also a symbol associated with harvest or death
102. The \_\_\_\_\_ on the corner is hosting a free community meal tonight.  
*n.* a building or institution dedicated to religious worship or activities; a Christian religious organization or denomination
103. I want to \_\_\_\_\_ my sadness into strength.  
*v.* to have a talk with someone; (adjective) reversed in order, relation, or action
104. Newborns with \_\_\_\_\_ must follow a strict diet to prevent any negative effects on their health.  
*n.* a genetic disorder that causes a build-up of phenylalanine (= an essential amino acid) in the body and can lead to intellectual disability, behavioral problems, seizures, and other physical and mental health issues
105. To find drunk drivers, police conduct \_\_\_\_\_ tests.  
*adj.* made, done, or happening without method, conscious decision, or any regular pattern

ANSWERS: 99. grievous, 100. process, 101. sickle, 102. church, 103. convert, 104. phenylketonuria, 105. random

106. The firm has grown into a large \_\_\_\_\_ manufacturing.  
*adj.* relating to or connected with chemistry;
107. Advocates for legal reform hear less harsh words from their \_\_\_\_\_.  
*n.* someone who expresses opinions about the quality of books, music, etc.
108. The shape of the DNA \_\_\_\_\_ is a double helix.  
*n.* a group of two or more atoms held together by attractive forces known as chemical bonds
109. The Prime Minister will pay a courtesy visit to the Nobel laureate's \_\_\_\_\_.  
*n.* a workplace for the conduct of scientific research; a laboratory
110. 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
111. After retiring, he continued to be an \_\_\_\_\_ to politicians.  
*n.* a person who gives advice about a particular subject
112. The newspaper published an \_\_\_\_\_ on the current state of the economy.  
*adj.* relating to the expression of opinions or interpretations in the media
113. 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
114. We can now \_\_\_\_\_ with the next item on our agenda.  
*v.* to move forward or to continue with a process or action; to advance or progress

ANSWERS: 106. chemical, 107. critics, 108. molecule, 109. lab, 110. bet, 111. adviser, 112. editorial, 113. disease, 114. proceed

115. He discovered unique \_\_\_\_\_ for photochemical reactions.

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

116. Eyeless fish \_\_\_\_\_ in dark caves.

*v.* to develop gradually, or to cause the development of something or someone gradually

117. I had to \_\_\_\_\_ the pop-up blocker in my browser to access the website.

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

118. Relations between the two countries have been relatively \_\_\_\_\_ due to the summit meeting.

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

119. Our plan includes a comprehensive marketing \_\_\_\_\_.

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

120. Please \_\_\_\_\_ these files as we start a new project tomorrow.

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

121. Breast \_\_\_\_\_ is the most common type of cancer in women.

*n.* abnormal growth of cells that can invade and destroy surrounding tissues and organs; a disease characterized by the uncontrolled growth and spread of abnormal cells

122. He was \_\_\_\_\_ gifted.

*adv.* as might be expected; by natural manners

ANSWERS: 115. mechanisms, 116. evolved, 117. disable, 118. stable, 119. strategy, 120. rearrange, 121. cancer, 122. naturally

123. NASA sent a \_\_\_\_\_ to study the atmosphere of Jupiter.

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

124. He is familiar with \_\_\_\_\_ and biology.

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

125. He does not \_\_\_\_\_ importance to these rumors.

- v.* to fasten, join, or connect one thing to another

126. Computers help people \_\_\_\_\_ specific memories.

- v.* to keep or continue to possess or maintain something

127. The paint was a \_\_\_\_\_ of different pigments to achieve the desired color.

- n.* a combination of different elements, substances, or entities, usually in non-uniform proportions, resulting in a homogeneous or heterogeneous blend of physical or chemical properties

128. This typhoon was the most \_\_\_\_\_ in years.

- adj.* causing a great deal of destruction or damage

129. The outermost electron shell of an \_\_\_\_\_ determines its chemical characteristics.

- n.* the smallest unit of ordinary matter that forms a chemical element, composed of a nucleus and one or more electrons bound to the nucleus

130. The doctor diagnosed the patient with \_\_\_\_\_ due to a lack of iron in their blood.

- n.* a medical condition in which the body lacks enough red blood cells or hemoglobin, causing fatigue, weakness, or difficulty breathing; a lack of vitality or liveliness in something

ANSWERS: 123. probe, 124. chemistry, 125. attach, 126. retain, 127. mixture, 128. devastating, 129. atom, 130. anemia

131. She was disbarred for her \_\_\_\_\_ in fraud.

*adj.* attracting, pleasant, or charming

132. She agreed to \_\_\_\_\_ with him in creating new artwork.

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

133. In junior high school, we had to dissect a frog in \_\_\_\_\_ class.

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

134. His final goal is to sail around the \_\_\_\_\_.

*n.* the earth or world, mainly used to emphasize its vastness

135. The developer's \_\_\_\_\_ of the old factory into a modern loft apartment complex was a major success.

*n.* the act or process of changing something from one thing to another; the state of being changed

136. He made a frightful \_\_\_\_\_ in his room.

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

137. 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

138. The \_\_\_\_\_ for completing the construction project is three years.

*n.* a period or interval of time, particularly one used as a standard for measuring or comparing other periods of time; a reference point or benchmark for the duration or length of a particular event or process

ANSWERS: 131. engaging, 132. collaborate, 133. biology, 134. globe, 135. conversion, 136. mess, 137. reaction, 138. timescale

139. This scripture provides the code of \_\_\_\_\_ for the religion.

- n.* a branch of philosophy that considers what is morally right and wrong conduct; a set of beliefs about what is morally right and wrong

140. We want to \_\_\_\_\_ ties between our two countries.

- v.* to make or become better

141. He threw away the \_\_\_\_\_ items in his closet.

- adj.* not wanted or desired

142. These economic activities had disastrous environmental \_\_\_\_\_.

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

143. The colors of the shirt and pants totally \_\_\_\_\_ making the outfit look ridiculous.

- v.* to put together or match items that are not compatible or do not fit well together; to be different from or not correspond to something else

144. The company tried to \_\_\_\_\_ competitors by offering them buyouts.

- v.* to elect or appoint someone as a member of a group or organization; to take over or appropriate something, often by force or without permission; to use someone or something for one's purposes or agenda

145. 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

146. I need to \_\_\_\_\_ most of the essay with feedback from my teacher.

- v.* to write something such as a book or speech again in a different way, usually to improve it or add new information

ANSWERS: 139. ethics, 140. improve, 141. unwanted, 142. consequences, 143. mismatch, 144. co-opt, 145. fraction, 146. rewrite

147. The human \_\_\_\_\_ contains approximately three billion chemical base pairs.  
*n.* the complete set or sequence of genes of a human, animal, plant, or other living things
148. Another critical factor of child poverty is the father's \_\_\_\_\_.  
*n.* the fact or condition of being away from a place where they are typically anticipated to be
149. I \_\_\_\_\_ for reasons already stated above.  
*v.* to have or express a different opinion, idea, etc.
150. The government imposed a \_\_\_\_\_ on tobacco products to discourage smoking.  
*n.* a tax or charge imposed by authority
151. The \_\_\_\_\_ principle of every business was identical.  
*adj.* significant as a cause or basis of something but not immediately apparent or stated clearly
152. He is the \_\_\_\_\_ and chairman of this tech company.  
*n.* one of several people who establishes an organization or starts a business
153. Animal protection groups call for an end to animal testing in a \_\_\_\_\_.  
*n.* a workplace for doing scientific research or teaching science; a lab
154. The director plans to \_\_\_\_\_ the classic movie with a modern twist.  
*v.* to create a new version of a work of art, such as a film, song, or play, using the same or similar material as the original; to adapt or update something for a new audience or purpose; (noun) a new version or adaptation of a previously existing movie, song, TV show, or other creative work

ANSWERS: 147. genome, 148. absence, 149. disagree, 150. levy, 151. underlying, 152. cofounder, 153. laboratory, 154. remake

155. Children often \_\_\_\_\_ parents with this head cold.

*v.* to affect a person, an animal, or a plant with a disease-causing organism

156. The president must have the highest \_\_\_\_\_ standards.

*adj.* of or relating to principles about what is right and wrong, or the branch of knowledge dealing with these

157. The \_\_\_\_\_ has largely gotten positive feedback.

*n.* an extended fictional work in prose; usually in the form of a story; (adjective) original and of a kind not seen before

158. The \_\_\_\_\_ properties of this herb have been known to help with various ailments.

*adj.* of or relating to the treatment or cure of disease

159. Foods rich in \_\_\_\_\_ include cheese, nuts, and meat.

*n.* an amino acid that is essential for the synthesis of proteins in the body that is referred to as a non-essential amino acid because the body can produce it, although it is also present in some foods

160. This artwork is \_\_\_\_\_ of her work.

*adj.* having the usual characteristics or traits of a specific group of things

161. In this particular field, his work \_\_\_\_\_ over all others.

*v.* to be the most powerful, important, or frequent; to be more common or prevalent than others

162. The \_\_\_\_\_ class was designed to give students a basic understanding of the subject.

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

ANSWERS: 155. infect, 156. ethical, 157. novel, 158. medicinal, 159. tyrosine, 160. typical, 161. predominated, 162. introductory



163. You can \_\_\_\_\_ the font color by clicking the Color tab.

*v.* to explain or state something clearly and exactly

164. 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

165. 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

166. Truth is stranger than \_\_\_\_\_.

*n.* the type of book or story, especially novels, that describes imaginary events and people; anything made up or imagined that is not true

167. \_\_\_\_\_ heart defects can often be diagnosed before a baby is born.

*adj.* existing from birth; often used to describe a condition or trait that is inherited or present from the moment of birth

168. The restaurant \_\_\_\_\_ a ban on smoking.

*v.* to change something's direction, order, position, decision, etc., to the opposite one; (adjective) directed or moving toward the rear

169. The interviewer arrived in a \_\_\_\_\_ of time.

*n.* a small cut, notch, or indentation in a surface or an edge

170. 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

ANSWERS: 163. specify, 164. genetic, 165. virus, 166. fiction, 167. Congenital, 168. reversed, 169. nick, 170. beam

171. The coach explained a strategy to \_\_\_\_\_ the opponent's schemes to the players.

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

172. Most people thought of him as a \_\_\_\_\_ eccentric.

- adj.* not able or not likely to cause damage or harm

173. The \_\_\_\_\_ temperature recorded this summer was higher than average.

- adj.* the largest or greatest amount or value attainable or attained

174. Many scientists study \_\_\_\_\_ behavior and intelligence.

- n.* any mammal of the order Primates, which includes monkeys, apes, and humans

ANSWERS: 171. frustrate, 172. harmless, 173. maximum, 174. primate