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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

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	<i>adj.</i> associated with schools, colleges, and universities, especially studying and thinking, not with practical skills
103. the con_____ce of an argument	<i>n.</i> the outcome of a particular action or event, especially relative to an individual
104. anthropology lab_____ry	<i>n.</i> a workplace for doing scientific research or teaching science; a lab
105. sn_____t of wisdom	<i>n.</i> a small piece or brief extract of something
106. cr_____ve writing	<i>adj.</i> relating to or involving the use of skill and original and unusual ideas to create something
107. car_____lar diseases	<i>adj.</i> of or relating to the heart and blood vessels (= tubes that carry blood around the body)
108. co_____al swimming pool	<i>adj.</i> belonging to or used by a group rather than individuals; for common use
109. trigger a re_____on	<i>n.</i> 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	<i>adv.</i> as might be expected; by natural manners
111. in____t a computer with a virus	<i>v.</i> to affect a person, an animal, or a plant with a disease-causing organism
112. en_____ng story	<i>adj.</i> attracting, pleasant, or charming
113. cl_____al surgery	<i>adj.</i> 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