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Vocabulary Builder Reference from...

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All Words

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Session 1: Word List

argument

n. a set of statements or reasons used to support or refute a proposition or theory; a verbal or physical fight or dispute

synonym: debate, discourse, discussion

(1) a blazing **argument**, (2) the **argument** against capital punishment

The **argument** between the two sides over the proposed policy was heated.

overestimate

v. to estimate something to be greater in amount or importance than it really is

synonym: overrate, overvalue, embellish

(1) **overestimate** the value, (2) **overestimate** the amount of time spent

He tends to **overestimate** his abilities.

underestimate

v. to think or suppose that a quantity, price, or size is smaller than it is

synonym: underrate, misjudge, miscalculate

(1) **underestimate** an enemy, (2) **underestimate** the probability

They frequently **underestimated** their abilities and felt inferior.

miracle

n. an act or occurrence that is not explicable by natural or scientific laws and is therefore believed to be caused by God

synonym : wonder, marvel, phenomenon

(1) **miracle** person, (2) economic **miracle**

The doctors said that her recovery was a **miracle**.

miraculous

adj. very effective or lucky, or completely unexpected

synonym : amazing, astonishing, awesome

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

He made a **miraculous** recovery.

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.

distance

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

synonym : space, gap, span

(1) driving **distance**, (2) social **distance**

The marathon runner covered a long **distance** in a short amount of time.

unpack

v. to open and remove stored items from a container or package; to analyze or examine something in detail, often to clarify or understand it better

synonym : dissect, unwrap, unbox

(1) **unpack** a crate, (2) **unpack** a concept

I need to **unpack** my suitcase and put my clothes away.

telescope

n. a device like a tube in shape containing lenses used to magnify and observe distant objects

(1) a binocular **telescope**, (2) look through a **telescope**
This facility has the largest astronomical **telescope** in the country.

origin

n. the first existence or beginning of something
synonym: root, source, ancestor

(1) **origin** of information, (2) racial **origin**
There are various hypotheses concerning the **origin** of life.

ruin

v. to damage, spoil, or demolish something; (noun) an unrecoverable state of devastation and destruction,
synonym: bankrupt, demolish, destroy

(1) **ruin** the plan, (2) **ruin** the reputation
He knocked over the red wine and **ruined** the tablecloth.

religion

n. a deep conviction in a supernatural power that controls human destiny
synonym: faith, creed, belief

(1) **religion** sociology, (2) freedom of **religion**
Their **religion** strictly prohibits them from drinking or gambling.

launch

v. to send or propel something into the air or space using a device such as a rocket, missile, or spacecraft; to make something available or on sale for the first time
synonym: start, initiate, begin

(1) **launch** a spaceship into orbit, (2) **launch** a big attack
The company is set to **launch** its new product line next month.

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.

speck

n. a very small spot, piece, or amount

synonym : blot, dot, mark

(1) a **speck** of dust, (2) **speck** of suspicion

The plane was just a **speck** in the sky.

distant

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

synonym : far, isolated, remote

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

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

detect

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

synonym : catch, observe, notice

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

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

exoplanet

n. a planet that orbits a star outside of the solar system

(1) the closest **exoplanet** to Earth, (2) **exoplanet** mission

The **exoplanet** Kepler-186f is located 500 light-years from Earth and is believed to be habitable.

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.

universe

n. everything that exists, especially all physical matter, including planets, stars, galaxies, and all other forms of matter and energy

synonym : cosmos, macrocosm

(1) theory of the **universe**, (2) expansion of the **universe**

The **universe** is about 13.8 billion years old.

planet

n. any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star

synonym : earth, world, globe

(1) **planet** like the Earth, (2) save the **planet**

Mercury is the closest **planet** to the sun.

photosynthesis

n. the process through which plants and other organisms transform light energy into chemical energy, which is then released through cellular respiration to power the organism's activities.

(1) oxygenic **photosynthesis**, (2) process of

photosynthesis

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

discovery

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

synonym : finding, uncovering, detection

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

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

continent

n. one of the earth's large landmasses; (adjective) abstaining from your feelings, especially your desire to have sex

synonym : landmass, (adjective) chaste, (adjective) pure

(1) the inland of a **continent**, (2) **continent** urinary diversion

Flight across the **continent** was a daring adventure in its day.

grant

v. to agree to give or allow somebody

synonym : allocate, authorize, give

(1) **grant** a new license, (2) **grant** a land

The chairperson **granted** him the right to speak.

concept

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

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

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

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.

execute

v. to kill someone, especially as a legal punishment; to carry out or perform an action, duty, etc.

synonym : direct, conduct, enforce

(1) **execute** a bold strategy, (2) **execute** a double play

The mafioso who collaborated with the police was **executed**.

plop

n. a short and soft sound like that of a small object dropping into water without a splash; (verb) drop with the sound of something falling into water

synonym : drop, flop, plunk

(1) loud **plop**, (2) **plop** of water

The ball fell into the water with a **plop**.

stem

n. the central part of something from which other parts can develop or grow; the part of a word common to all its inflected variants; (verb) to grow out of, have roots in, or originate in

synonym : branch, limb, (verb) come from

(1) **stem** from a belief, (2) the **stem** of a matchstick

A rose has thorns on its **stem**.

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.

tangerine

n. a sweet, juicy citrus fruit that is smaller and sweeter than an orange, usually with a reddish-orange peel

synonym: mandarin, citrus, clementine

(1) **tangerine** peel, (2) **tangerine** flavor

I love the taste of fresh **tangerine** juice in the morning.

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.

announce

v. to make something known or officially inform people about something

synonym: disclose, declare, broadcast

(1) **announce** candidacy, (2) **announce** the award winners

The third season of the anime show has been **announced**.

chromosome

n. a long and string-like DNA molecule containing the part or all of the genetic material of an organism that controls what an animal or plant is like

synonym: DNA

(1) a sex **chromosome**, (2) the end of **chromosome**

Human females normally have two X **chromosomes**.

microscope

n. an instrument used to see objects or substances that are too small to be seen with the naked eye

synonym: lens, magnifier, eyepiece

(1) **microscope** slide, (2) electron **microscope**

I used an optical **microscope** to observe the small organisms

in the water sample.

zoom

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

synonym: move quickly, dive, buzz

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

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

inferior

adj. lower in rank, status, or quality

synonym: lower, subordinate, secondary

(1) an **inferior** poet, (2) **inferior** quality

The new employee's work was **inferior** to that of the experienced workers in the team.

recessive

adj. of or relating to the state of the economy declines; (of a gene) controlling a characteristic that is expressed only when a dominant allele is not present

synonym: latent, dormant, hidden

(1) **recessive** allele, (2) **recessive** mutant

The **recessive** gene for blue eyes is only expressed when both parents carry the gene.

mutant

n. an organism that has characteristics resulting from a mutation (= alteration in the nucleic acid sequence of the genome)

(1) **mutant** Omicron strain, (2) **mutant** animal

The biologist thinks this **mutant** gene links to cancer.

identify

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

synonym: determine, specify, recognize

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

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

leukemia

n. a type of cancer that affects the blood and bone marrow, in which abnormal white blood cells are produced and

grow uncontrollably

synonym : blood cancer

(1) childhood **leukemia**, (2) acute **leukemia**

The symptoms of **leukemia** may include fatigue, weakness, and fever.

shift

n. a slight transition in position, direction, or trend

synonym : transition, change, modification

(1) Doppler **shift**, (2) major paradigm **shift**

Could you help me **shift** some furniture?

colorectal

adj. relating to or affecting both the colon (= a part of the large intestine) and the rectum (= a part of the digestive system), often used to refer to medical conditions of the lower digestive system

synonym : rectal, anal, intestinal

(1) **colorectal** polyp, (2) **colorectal** surgery

A healthy diet and regular exercise can help reduce the risk of developing **colorectal** cancer.

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.

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.

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.

letter-by-letter

adv. referring to a method of communication or transmission in which individual letters or characters are spelled out or conveyed one at a time, often used for slow, deliberate, or painstaking communication

synonym : alphabetic, literal

(1) spell **letter-by-letter**, (2) say **letter-by-letter**

The children were learning to read **letter-by-letter** as part of their literacy lessons.

enormous

adj. extremely large or great

synonym : huge, giant, gigantic

(1) **enormous** amount, (2) **enormous** potential

Shakespeare's output of poetry was **enormous**.

database

n. a large amount of data stored in a computer system in such a way that it can be searched and updated easily

(1) **database** administrator, (2) employee **database**

Each country's officials can access the central **database**.

incredible

adj. unbelievable; enormous

synonym : unbelievable, fantastical, inconceivable

(1) **incredible** amount, (2) at **incredible** speed

Her response revealed **incredible** idiocy.

plague

n. any epidemic disease with a high death rate; (also called pest) a serious, sometimes fatal, infection spread by rats that causes fever and swellings on the body

synonym : epidemic, pandemic, pest

(1) catch the **plague**, (2) deadly **plague**

Our farm experienced a **plague** of locusts this year.

bubo

n. a swollen and painful lymph node, often caused by a bacterial infection such as the bubonic plague

synonym : swelling, lymph node, abscess

(1) lymphatic **bubo**, (2) **bubo** formation

The patient presented with a painful right inguinal **bubo**.

absolutely

adv. without restriction or limitation; completely or utterly

synonym : completely, utterly, definitely

(1) **absolutely** against, (2) **absolutely** obsessed with the girl

I am **absolutely** opposed to his idea because of morality.

tuberculosis

n. an infectious disease usually caused by tubercle bacteria that can attack many parts of a person's body, especially their lungs

(1) died of **tuberculosis**, (2) a medicine for **tuberculosis**

Tuberculosis used to be considered a fatal disease.

detective

n. a person whose job it is to find out information about crimes and find out who did them

synonym : gumshoe, investigator, hawkshaw

(1) **detective** work, (2) **detective** movie

The **detective** diligently pursued his cases.

cholera

n. a severe infectious disease that causes acute diarrhea, vomiting, and dehydration, often resulting in a rapid and dangerous loss of body fluids and electrolytes

synonym : infectious disease, epidemic, plague

(1) **cholera** toxin, (2) **cholera** epidemic

The outbreak of **cholera** was a major health crisis in the 19th century.

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.

diversify

v. to make something include more different types or things; to spread out activities or investments

synonym: branch out, expand, broaden

(1) **diversify** my portfolio, (2) **diversify** energy sources

This inclusive environment has allowed the plant species to **diversify**.

branch

n. a division of a tree or woody shrub that grows out from the trunk or a main stem; a division of some larger or more complex organization

synonym: limb, twig, bough

(1) **branch** office, (2) a **branch** pipe

The **branch** of the tree had fallen and blocked the road.

constantly

adv. all the time

synonym: continuously, always, frequently

(1) a **constantly** innovative enterprise, (2) a **constantly** varying mind

The mobile application industry is **constantly** changing.

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.

react

v. to take action in response to something

synonym: respond, reply, oppose

(1) **react** at a high temperature, (2) **react** against his way of thinking

How did he **react** to your idea?

magnify

v. to make something look bigger than it really is, especially by looking at it through a lens; to make something bigger, stronger, or louder

synonym: enlarge, elaborate, intensify

(1) **magnify** the danger, (2) **magnify** the image for display
Terrorists often attempt to **magnify** the economic impact of their acts of destruction.

observe

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

synonym: watch, monitor, scrutinize

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

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

proactive

adj. acting in advance to deal with an expected difficulty or to take advantage of an opportunity.

synonym: gung-ho, anticipatory, forward-thinking

(1) **proactive** approach, (2) **proactive** about doing the task

The company implemented **proactive** measures to prevent future issues.

excite

v. to make someone feel suddenly enthusiastic or eager

synonym: thrill, exhilarate, animate

(1) **excite** the crowd, (2) **excite** rebellion

The news of her promotion **excited** her.

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.

synthetic

adj. made by combining chemical substances as opposed to being naturally occurring

synonym: artificial, manufactured, fabricated

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

Synthetic diamonds play an essential role as machine tool

blades.

trend

n. a general direction in which something is changing or developing

synonym: direction, movement, tendency

(1) an international **trend**, (2) the **trend** away from television
The oil price continued their downward **trend**.

industrial

adj. of or relating to or resulting from industry

synonym: manufacturing, mechanical

(1) beginning of the **industrial** revolution, (2) **industrial** alcohol

Industrial design has become more focused on human nature aspect than ever before.

revolution

n. a large-scale attempt to overthrow the government of a country, often using violence or war;

synonym: coup, innovation, rebellion

(1) beginning of the industrial **revolution**, (2) a political **revolution**

The **revolution** by the citizen resulted in a redistribution of wealth.

lobby

n. a large area inside the entrance of a public building where people can meet and wait; a group of people who try to persuade a politician, the government, or an official group to influence legislation

synonym: entrance, hall, anteroom

(1) **lobby** for legislation, (2) a hotel **lobby**

That **lobby** group actively advocated environmental protection to the government.

instrument

n. an object used to make musical sounds, such as a piano, guitar, or drum; a tool or device used for a specific activity, particularly in specialist or scientific work

synonym: apparatus, tool, device

(1) musical **instruments**, (2) surgical **instruments**

This electronic **instrument** is required to undergo periodic inspections to ensure precision.

chip

n. a small fragment of something broken off from the whole; a long and thin piece of potato fried in oil or fat
synonym: flake, fragment, chunk

(1) a **chip** of wood, (2) I don't care a **chip**

We can use this campaign as a bargaining **chip** in the negotiations.

photograph

n. a picture or image that is produced by a camera; a visual representation or record of a person, object, or scene that has been captured electronically or on film
synonym: photo, picture, snapshot

(1) **photograph** album, (2) **photograph** memories

I found an old **photograph** of my grandparents from their wedding day.

spreadsheet

n. a computer program that is used for displaying and dealing with numbers by arranging them in rows and columns

(1) a **spreadsheet** program, (2) plug numbers into a **spreadsheet**

I accidentally deleted all the contents of the **spreadsheet**.

software

n. a set of computer programs and associated documentation and data for doing particular computational jobs

synonym: program, system, operating system

(1) **software** architect, (2) copyrighted **software**

The company specializes in both hardware and **software**.

hardware

n. durable tools, machinery, and other equipment; the physical and electronic parts of a computer or other electronic systems

synonym: gear, apparatus, gadget

(1) the **hardware** department, (2) a vast inventory of **hardware**

The mouse and keyboard are essential **hardware** for operating a PC.

carbon

n. a chemical element that can be found in pure form as diamond or graphite, and it is also an essential part of coal and oil and is found in all plants and animals

(1) **carbon** dioxide, (2) **carbon** emission

Trees absorb **carbon** dioxide and give off oxygen.

neutral

adj. not helping or assisting either side in a conflict, argument, etc.

synonym: impartial, uninvolved, halfhearted

(1) permanently **neutral** country, (2) **neutral** colors

A legislative speaker should always be **neutral**.

fuel

n. a substance that is typically burned to generate heat or energy

synonym: energy, power, gas

(1) biomass **fuel**, (2) smokeless **fuel**

The **fuel** scarcity most severely impacted the manufacturing sector

commerce

n. the activity of buying and selling things, especially on a large scale

synonym: trade, transaction, dealings

(1) interstate **commerce**, (2) the local chamber of **commerce**

This company has invested heavily in Internet **commerce**.

substitute

n. a person or thing acting or serving instead of another one; (verb) to act as a something or someone instead of another one

synonym: alternate, replacement, reserve

(1) **substitute** coffee, (2) **substitute** teacher

I **substitute** skim milk for regular milk because we are on a strict diet.

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.

hectare

n. a unit of area equal to 10,000 square meters

(1) **hectare** land, (2) housing per **hectare**

The farm spans over 100 **hectares** of land.

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.

vat

n. a large container, especially one used for storing or holding liquids

synonym: barrel, cask, container

(1) **vat** of acid, (2) a large **vat** for fermenting beer

The restaurant owner bought a large **vat** of cooking oil for frying.

vaccine

n. a substance that is put into the body and protects them from disease by causing them to produce antibodies (= proteins that attack harmful bacteria, viruses, etc.)

synonym: vaccinum

(1) development of **vaccines**, (2) an oral **vaccine**

The mRNA **vaccine** was approved in less than a year because it did not contain the fragments of the target virus.

storage

n. the act or process of putting in and keeping something in a particular place for use in the future; an electronic

memory device that can store information

synonym : storehouse, depository, warehousing

(1) a **storage** battery, (2) **storage** at low temperature

We store customer data in cloud **storage**.

device

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

synonym : gadget, instrument, tool

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

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

theoretical

adj. relating to the concepts and principles upon which a particular topic is founded, rather than practice and experience

synonym : conceptual, conjectural, ideal

(1) **theoretical** models, (2) **theoretical** physicist

Absolute zero is the lowest **theoretical** temperature.

medical

adj. relating to the treatment of illness or injuries; relating to the practice of medicine

synonym : health, disease, treatment

(1) a **medical** opinion, (2) temporary **medical** treatment

The **medical** team worked quickly to save the patient's life.

depart

v. to go away or leave, especially to start a journey

synonym : go away, leave, vacate

(1) arrive and **depart** on time, (2) **depart** from the faith

We **departed** before the temperature fell below zero.

conservative

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

synonym : traditional, reactionary, cautious

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

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

anatomy

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

(1) animal **anatomy**, (2) **anatomy** of a country's collapse

The professor explained the **anatomy** of the nervous system.

cadaver

n. a dead body, especially one used for scientific study or medical research

synonym: corpse, body, remains

(1) **cadaver** lab, (2) **cadaver** donor

The hospital received a donation of **cadavers** for their research program.

physics

n. the science of matter and energy and their interactions

(1) nuclear **physics**, (2) laws of **physics**

He studied the **physics** of radiation.

observation

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

synonym: watching, notice, reflection

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

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

experimental

adj. relating to or based on new ideas, forms, methods, etc. that have not been tried before, usually to find out what effect they have

synonym: empirical, exploratory, observed

(1) **experimental** data, (2) **experimental** design

The product is still in the **experimental** stage.

physicist

n. a scientist who specializes in the field of physics

(1) talented **physicist**, (2) theoretical **physicist**

Einstein was an outstanding and famous **physicist** of the 20th century.

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.

microbiome

n. the community of microorganisms (= living things too small to be seen) that can usually be found living together in any given environment or the human body

synonym : flora

(1) skin **microbiome**, (2) have a diverse **microbiome**

The gut **microbiome** is a major producer of serotonin, which is necessary for human mental stability.

stack

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

synonym : accumulation, heap, pile

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

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

prediction

n. the act of predicting the future by reasoning; a statement made about the future

synonym : forecast, anticipation, foretelling

(1) make my **predictions**, (2) gloomy **predictions**

These results muddied the **prediction**.

consume

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

synonym : absorb, ingest, use up

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

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

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.

relative

adj. considered and evaluated through comparison with something else

synonym: comparative, proximate, congeneric

(1) a remote **relative**, (2) **relative** factors

Most countries prohibit sexual activity between certain close **relatives**.

unexpected

adj. not anticipated or regarded as likely to happen

synonym: surprising, unanticipated, incredible

(1) an **unexpected** visitor, (2) some **unexpected** events

The **unexpected** rainstorm caused the collapse of the corral.

normally

adv. usually; under normal conditions

synonym: commonly, generally, naturally

(1) complete **normally**, (2) not **normally** drink much

I don't **normally** take a vacation in the middle of summer.

advertise

v. to draw attention to something such as a product, service, or event in public to encourage people to buy, use, or attend it

synonym: publicize, announce, promote

(1) **advertise** the campaign, (2) **advertise** on social media

We want to **advertise** our company through your media.

rip

v. to tear something or be torn violently or suddenly

synonym: tear, cut, slit

(1) **rip** a notebook apart, (2) **rip** a hole in the roof

During transit, the stuff may **rip** off the luggage tag.

pregnant

adj. having a baby or young animal developing in the uterus

synonym: expectant

(1) needs of **pregnant** women, (2) a silence **pregnant** with

suspense

She vacated the position when she got **pregnant**.

discount

n. a reduction in the original price of an item, product, or service; a deduction from the usual cost or value of something; (verb) to disregard or minimize the importance of something; to offer a lower price for a product or service than its original price

synonym : sale, reduction, (verb) lower

(1) **discount** a draft, (2) **discount** store

I got a massive **discount** on my new laptop during the Black Friday sale.

crib

n. a small, enclosed bed for a baby, typically on rockers

synonym : bed, bassinet, cradle

(1) **crib** bed, (2) baby **crib**

She put the baby in the portable **crib** for a nap.

empower

v. to give someone the power or authority to do something

synonym : authorize, endow, entitle

(1) **empower** my life, (2) **empower** the secretary to do the same

The company **empowered** employees to buy low-price items without approval to achieve efficient purchasing.

desktop

n. a flat working surface or table that is usually placed on top of a desk, typically used for a computer or other work-related activities

synonym : computer, workstation, PC

(1) **desktop** software, (2) **desktop** wallpaper

I need to upgrade my **desktop** computer since it's become quite slow.

redesign

v. to design something again, especially in a different or modified form; (noun) the process of designing something again

synonym : revamp, rework, remodel

(1) **redesign** project, (2) **redesign** of lifestyle
The company is planning to **redesign** its website.

condemn

v. to express strong disapproval or criticism of something
synonym: criticize, denounce, censure

(1) **condemn** violence, (2) **condemn** crime
The government was **condemned** for its handling of the crisis.

cyst

n. a sac, cavity, or abnormal growth in the body that is typically filled with fluid or semisolid material; usually benign but can also be cancerous and require treatment
synonym: abscess, sac, lump

(1) **cyst** removal, (2) ovarian **cyst**
The patient was sent for an X-ray to determine the cause of the **cyst** in her abdomen.

fibrosis

n. the formation of excess fibrous connective tissue in an organ or tissue, often associated with inflammation, scarring, or injury; a pathological condition that can affect various organs and tissues of the body, leading to impaired function and potential organ failure
synonym: scarring, hardening, fibrotic disease

(1) **fibrosis** diagnosis, (2) pulmonary **fibrosis**
The doctor diagnosed him with cardiac **fibrosis**, which put him at risk for heart failure.

complicated

adj. involving a lot of different things or parts in a way that is difficult to understand or analyze
synonym: complex, convoluted, intricate

(1) a **complicated** process, (2) become increasingly **complicated**
He did **complicated** pen-and-ink drawings in just a few days.

debate

n. a formal discussion or argument of opposing viewpoints, often to persuade others to adopt a specific position; a public discussion, often on an issue of current interest,

in which participants offer opinions and differing perspectives

synonym : argument, discussion, dispute

(1) **debate** topic, (2) **debate** competition

The **debate** over climate change continues to be a hot topic in politics.

nation

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

synonym : country, state, sovereign entity

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

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

academy

n. a school for special training; a type of official organization that aims to encourage and develop standards in its particular field

synonym : school, institute, college

(1) an **academy** of music, (2) a member of the **Academy**

Her new documentary earned her an **Academy** Award.

mosquito

n. a small flying insect whose female bites people and animals and sucks their blood, and sometimes transmits serious diseases such as malaria

synonym : insect, bug, flea

(1) **mosquito** bite, (2) **mosquito** repellent

A stagnant water area are breeding ground for **mosquitos**.

malaria

n. a severe disease caused by a parasite that is spread by the bite of an infected mosquito

(1) **malaria** mosquitoes, (2) **malaria-endemic** area

Many people in tropical countries die from **malaria** every year.

environment

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

synonym : atmosphere, surroundings, climate

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

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

extreme

adj. very great in amount or degree

synonym : farthestmost, outermost, fierce

(1) **extreme** sports, (2) **extreme** weather events

Solar gravity creates **extreme** pressures and temperatures.

loose

adj. not securely fixed or fastened in place or able to be detached or separated from something

synonym : relaxed, unconsolidated, open

(1) a **loose** tongue, (2) remove **loose** hair

The inspector discovered **loose** bolts under the fuel rods.

decision

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

synonym : choice, determination, judgment

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

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

graduate

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

synonym : alumna, alum, grad

(1) **graduate** degree program, (2) honor **graduate**

Many employers hire **graduate** trainees to train as managers.

modern

adj. of or belonging to the present time or recent times

synonym : contemporary, stylish, current

(1) **modern** poetry, (2) pre- **modern** agricultural society

Their headquarters are in a **modern** skyscraper.

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.

laser

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

synonym : beam, bar, ray

(1) **laser** printer, (2) pulse **laser**

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

vial

n. a small glass container, especially one containing liquid medicine or perfume

synonym : container, bottle, flask

(1) glass **vials**, (2) insulin **vial**

This medication is sealed in a **vial**.

bubble

n. a thin, round, and often transparent mass of gas that is surrounded by a thin layer of liquid; a state of economic or social prosperity that is unsustainable and eventually collapses

synonym : blob, balloon, mania

(1) **bubble** in the champagne glass, (2) economic **bubble**

Many people worry that the current real estate market is a **bubble** that could burst soon.

lipid

n. any of a group of organic compounds, including fats, oils, and waxes, that are insoluble in water but soluble in organic solvents and are essential constituents of living cells

synonym : fat, oil, phospholipid

(1) **lipid** metabolism, (2) blood **lipid** profile

Omega-3 fatty acids, found in foods like fish and nuts, are a type of **lipid** that is good for heart health.

precursor

n. a person or thing that comes before another of the same kind and that contributes to or influences its growth

synonym: antecedent, forerunner, herald

(1) **precursor** cell, (2) **precursor** to serotonin

Sulfur dioxide and nitrogen oxides are the primary **precursors** of acid rain.

absorb

v. to take in a fluid or other substance gradually

synonym: consume, soak, ingest

(1) **absorb** energy, (2) **absorb** a shock

The sponge **absorbs** water well.

divide

v. to separate or cause to separate into parts or groups

synonym: separate, disconnect, split

(1) **divide** the cake into two pieces, (2) **divide** money equally

Can you **divide** 123321 by eleven?

scratch

v. to cut or damage the surface of something or the skin with a sharp or pointed object

synonym: claw, rub, scrape

(1) **scratch** off a name, (2) **scratch** my signature

Don't **scratch** your mosquito bites.

digital

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

synonym: numerical, computerized, cyber

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

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

merge

v. to combine or integrate things, or to cause this to happen

synonym: combine, join, coalesce

(1) **merge** into a new party, (2) **merge** those systems into a new one

This consulting firm decided to **merge** the two companies into one.

brain

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

synonym: intellect, mind, encephalon

(1) basic **brain** function, (2) permanent **brain** damage

X-rays revealed a small tumor in his **brain**.

rebuild

v. to build again or anew

synonym: reconstruct, renovate, restore

(1) **rebuild** a company, (2) **rebuild** communities

They are planning to **rebuild** the house after the fire.

regrow

v. to grow back or regenerate after being cut or removed, such as cells or tissues in the body, or plants and vegetation

synonym: regenerate

(1) **regrow** hair, (2) **regrow** vegetation

Lizards can **regrow** their tails if they are cut off.

trachea

n. the tube-like structure in the body through which air moves from the larynx (= a part of the human respiratory system located in the neck region) to the bronchi (= part of the respiratory system and are responsible for conducting air into the lungs), also known as the windpipe

synonym: windpipe, bronchus

(1) **trachea** blockage, (2) **trachea** infection

Inhaling irritants can cause inflammation of the **trachea** and lead to coughing.

bladder

n. a hollow, flexible sac-like organ in the body that stores and expels fluids, such as urine or bile

synonym: vesica, cyst, sac

(1) **bladder** infection, (2) swollen **bladder**

Drinking too much coffee can irritate the **bladder** and cause

frequent urination.

implant

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

synonym: insert, fix, place

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

core

n. the most essential or fundamental part of something

synonym: center, basis, heart

(1) the **core** of an apple, (2) **core** business activity

These gas nebulas are merely newborn galactic **cores**.

frontier

n. a border that separates two countries, or the area near this line

synonym: border, boundary, borderland

(1) **frontier** disputes, (2) the Italian **frontier** with Switzerland
He worked at the **frontier** of behavioral economics.

apocryphal

adj. of doubtful or questionable authenticity; well known, but probably not true

synonym: spurious, questionable, dubious

(1) **apocryphal** account, (2) **apocryphal** text

The story of George Washington and the cherry tree is likely **apocryphal** but still taught in schools.

quotation

n. a group of words taken from a text or speech and repeated by someone other than the original author or speaker

synonym: excerpt, passage, quote

(1) double **quotation** marks, (2) take a **quotation**

He included a **quotation** from the book in his essay.

scare

v. to frighten a person or animal, or to become frightened

synonym: frighten, spook, intimidate

(1) **scare** off her attacker by screaming, (2) **scare** the birds away

We hit the ground to **scare** out the rabbits.

interact

v. to communicate or react with somebody

synonym: cooperate, combine, collaborate

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

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

folk

n. people in general, especially those of a particular group or type

synonym: community, family, person

(1) **folk** art, (2) the **folk** songs of a particular district

Some seaweed was used as **folk** medicine in ancient times.

Session 2: Spelling

1. gr__t a land *v.* to agree to give or allow somebody
2. the DNA se_____ce *n.* a series of related events, actions, numbers, etc., which have a particular order
3. na___n-state *n.* a large organized community of people living in a particular country or region and having a particular culture
4. cell and molecular bi_____y *n.* the scientific study of life and the natural processes of living things
5. the closest ex_____et to Earth *n.* a planet that orbits a star outside of the solar system
6. un___k a crate *v.* to open and remove stored items from a container or package; to analyze or examine something in detail, often to clarify or understand it better
7. interstate co_____ce *n.* the activity of buying and selling things, especially on a large scale
8. de_____p wallpaper *n.* a flat working surface or table that is usually placed on top of a desk, typically used for a computer or other work-related activities
9. a lo__e tongue *adj.* not securely fixed or fastened in place or able to be detached or separated from something
10. social di_____ce *n.* the amount of space between two points, measured in units such as miles, meters, or kilometers; the extent, scope, or range between two things, such as distance or emotional distance

ANSWERS: 1. grant, 2. sequence, 3. nation, 4. biology, 5. exoplanet, 6. unpack, 7. commerce, 8. desktop, 9. loose, 10. distance

11. re_____on sociology *n.* a deep conviction in a supernatural power that controls human destiny
12. ex_____e sports *adj.* very great in amount or degree
13. in_____ct directly with customers *v.* to communicate or react with somebody
14. the se_____ce of the seasons *n.* a series of related events, actions, numbers, etc., which have a particular order
15. economic mi_____e *n.* an act or occurrence that is not explicable by natural or scientific laws and is therefore believed to be caused by God
16. employee da_____se *n.* a large amount of data stored in a computer system in such a way that it can be searched and updated easily
17. co_____e electricity *v.* to spend something, especially fuel, energy, or time, in a large amount
18. de_____e topic *n.* a formal discussion or argument of opposing viewpoints, often to persuade others to adopt a specific position; a public discussion, often on an issue of current interest, in which participants offer opinions and differing perspectives
19. copyrighted so_____re *n.* a set of computer programs and associated documentation and data for doing particular computational jobs
20. pr_____ve about doing the task *adj.* acting in advance to deal with an expected difficulty or to take advantage of an opportunity.

ANSWERS: 11. religion, 12. extreme, 13. interact, 14. sequence, 15. miracle, 16. database, 17. consume, 18. debate, 19. software, 20. proactive

21. electronic de___e *n.* a piece of equipment, tool, or technology that serves a particular purpose or function, often mechanical or electronic
22. sy_____ic fertilizer *adj.* made by combining chemical substances as opposed to being naturally occurring
23. re___w hair *v.* to grow back or regenerate after being cut or removed, such as cells or tissues in the body, or plants and vegetation
24. ex___e the crowd *v.* to make someone feel suddenly enthusiastic or eager
25. env_____nt affairs *n.* the natural world such as air, water, and land in which humans, animals, and plants live
26. col_____al polyp *adj.* relating to or affecting both the colon (= a part of the large intestine) and the rectum (= a part of the digestive system), often used to refer to medical conditions of the lower digestive system
27. blood li__d profile *n.* any of a group of organic compounds, including fats, oils, and waxes, that are insoluble in water but soluble in organic solvents and are essential constituents of living cells
28. ma_____a-endemic area *n.* a severe disease caused by a parasite that is spread by the bite of an infected mosquito
29. an in_____or poet *adj.* lower in rank, status, or quality

ANSWERS: 21. device, 22. synthetic, 23. regrow, 24. excite, 25. environment, 26. colorectal, 27. lipid, 28. malaria, 29. inferior

30. the inland of a co_____nt *n.* one of the earth's large landmasses; (adjective) abstaining from your feelings, especially your desire to have sex
31. de_____ve work *n.* a person whose job it is to find out information about crimes and find out who did them
32. re___w vegetation *v.* to grow back or regenerate after being cut or removed, such as cells or tissues in the body, or plants and vegetation
33. sp__k of suspicion *n.* a very small spot, piece, or amount
34. needs of pr_____nt women *adj.* having a baby or young animal developing in the uterus
35. e__t a video *v.* to prepare written material for publication by correcting, condensing, or otherwise modifying it
36. z__m in on a photo *v.* to move along very quickly; (noun) the act of rising upward into the air
37. the tr__d away from television *n.* a general direction in which something is changing or developing
38. re_____e a dispute *v.* to find a suitable answer to the problems or difficulty
39. ge___e analyses *n.* the complete set or sequence of genes of a human, animal, plant, or other living things
40. industry-sp_____ic regulations *adj.* clearly defined or particular to a certain thing or situation; distinct, explicit, and precise

ANSWERS: 30. continent, 31. detective, 32. regrow, 33. speck, 34. pregnant, 35. edit, 36. zoom, 37. trend, 38. resolve, 39. genome, 40. specific

41. pr_____ve approach *adj.* acting in advance to deal with an expected difficulty or to take advantage of an opportunity.
42. intensive agr_____re *n.* the practice or science of cultivating the land or raising stock
43. mo_____to repellent *n.* a small flying insect whose female bites people and animals and sucks their blood, and sometimes transmits serious diseases such as malaria
44. an oral va_____e *n.* a substance that is put into the body and protects them from disease by causing them to produce antibodies (= proteins that attack harmful bacteria, viruses, etc.)
45. r__n the reputation *v.* to damage, spoil, or demolish something; (noun) an unrecoverable state of devastation and destruction,
46. mi_____e person *n.* an act or occurrence that is not explicable by natural or scientific laws and is therefore believed to be caused by God
47. re_____gn project *v.* to design something again, especially in a different or modified form; (noun) the process of designing something again
48. im_____t into the uterus *v.* to insert or fix an artificial device in a person's body; to put an idea, attitude, etc., firmly in the mind
49. in____t coin *v.* to put something inside something else
50. 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

ANSWERS: 41. proactive, 42. agriculture, 43. mosquito, 44. vaccine, 45. ruin, 46. miracle, 47. redesign, 48. implant, 49. insert, 50. protein

51. become increasingly com_____ed *adj.* involving a lot of different things or parts in a way that is difficult to understand or analyze
52. r__n the plan *v.* to damage, spoil, or demolish something; (noun) an unrecoverable state of devastation and destruction,
53. nuclear ph____s *n.* the science of matter and energy and their interactions
54. br___h office *n.* a division of a tree or woody shrub that grows out from the trunk or a main stem; a division of some larger or more complex organization
55. apo_____al text *adj.* of doubtful or questionable authenticity; well known, but probably not true
56. smokeless f__l *n.* a substance that is typically burned to generate heat or energy
57. co_____t car *n.* an idea or principle associated with something abstract
58. apo_____al account *adj.* of doubtful or questionable authenticity; well known, but probably not true
59. la___h a big attack *v.* to send or propel something into the air or space using a device such as a rocket, missile, or spacecraft; to make something available or on sale for the first time
60. ovarian c__t *n.* a sac, cavity, or abnormal growth in the body that is typically filled with fluid or semisolid material; usually benign but can also be cancerous and require treatment

ANSWERS: 51. complicated, 52. ruin, 53. physics, 54. branch, 55. apocryphal, 56. fuel, 57. concept, 58. apocryphal, 59. launch, 60. cyst

61. ex_____e a bold strategy *v.* to kill someone, especially as a legal punishment; to carry out or perform an action, duty, etc.
62. permanently ne_____l country *adj.* not helping or assisting either side in a conflict, argument, etc.
63. a seafaring na_____n *n.* a large organized community of people living in a particular country or region and having a particular culture
64. surgical ins_____nts *n.* an object used to make musical sounds, such as a piano, guitar, or drum; a tool or device used for a specific activity, particularly in specialist or scientific work
65. glass v___ls *n.* a small glass container, especially one containing liquid medicine or perfume
66. childhood le_____ia *n.* a type of cancer that affects the blood and bone marrow, in which abnormal white blood cells are produced and grow uncontrollably
67. mu___t Omicron strain *n.* an organism that has characteristics resulting from a mutation (= alteration in the nucleic acid sequence of the genome)
68. chaotic env_____nt *n.* the natural world such as air, water, and land in which humans, animals, and plants live
69. di_____l electronic signature *adj.* processing or storing information as a succession of 1 and 0 to show that a signal is present or missing; relating to the use of computer technology, especially the internet

ANSWERS: 61. execute, 62. neutral, 63. nation, 64. instrument, 65. vial, 66. leukemia, 67. mutant, 68. environment, 69. digital

70. an international tr__d *n.* a general direction in which something is changing or developing
71. a me____l opinion *adj.* relating to the treatment of illness or injuries; relating to the practice of medicine
72. pr____or to serotonin *n.* a person or thing that comes before another of the same kind and that contributes to or influences its growth
73. tr____a blockage *n.* the tube-like structure in the body through which air moves from the larynx (= a part of the human respiratory system located in the neck region) to the bronchi (= part of the respiratory system and are responsible for conducting air into the lungs), also known as the windpipe
74. re__t against his way of thinking *v.* to take action in response to something
75. tracking de___e *n.* a piece of equipment, tool, or technology that serves a particular purpose or function, often mechanical or electronic
76. ex___e rebellion *v.* to make someone feel suddenly enthusiastic or eager
77. de____on authority *n.* the act or process of making up someone's mind about something; a choice or judgment reached after considering options
78. process of pho_____sis *n.* the process through which plants and other organisms transform light energy into chemical energy, which is then released through cellular respiration to power the organism's activities.

ANSWERS: 70. trend, 71. medical, 72. precursor, 73. trachea, 74. react, 75. device, 76. excite, 77. decision, 78. photosynthesis

79. ma_____a mosquitoes *n.* a severe disease caused by a parasite that is spread by the bite of an infected mosquito
80. a medicine for tub_____sis *n.* an infectious disease usually caused by tubercle bacteria that can attack many parts of a person's body, especially their lungs
81. da_____se administrator *n.* a large amount of data stored in a computer system in such a way that it can be searched and updated easily
82. li__d metabolism *n.* any of a group of organic compounds, including fats, oils, and waxes, that are insoluble in water but soluble in organic solvents and are essential constituents of living cells
83. biomass f__l *n.* a substance that is typically burned to generate heat or energy
84. electron mic_____pe *n.* an instrument used to see objects or substances that are too small to be seen with the naked eye
85. theoretical ph_____st *n.* a scientist who specializes in the field of physics
86. id_____fy gene sequences *v.* to recognize someone or something and say or prove who or what they are
87. acute le_____ia *n.* a type of cancer that affects the blood and bone marrow, in which abnormal white blood cells are produced and grow uncontrollably
88. a di_____l watch *adj.* processing or storing information as a succession of 1 and 0 to show that a signal is present or missing; relating to the use of computer technology, especially the internet

ANSWERS: 79. malaria, 80. tuberculosis, 81. database, 82. lipid, 83. fuel, 84. microscope, 85. physicist, 86. identify, 87. leukemia, 88. digital

89. co_____n crime *v.* to express strong disapproval or criticism of something
90. a br___h pipe *n.* a division of a tree or woody shrub that grows out from the trunk or a main stem; a division of some larger or more complex organization
91. bl_____r infection *n.* a hollow, flexible sac-like organ in the body that stores and expels fluids, such as urine or bile
92. in_____or quality *adj.* lower in rank, status, or quality
93. gr__t a new license *v.* to agree to give or allow somebody
94. a com_____ed process *adj.* involving a lot of different things or parts in a way that is difficult to understand or analyze
95. a hotel lo__y *n.* a large area inside the entrance of a public building where people can meet and wait; a group of people who try to persuade a politician, the government, or an official group to influence legislation
96. lymphatic b__o *n.* a swollen and painful lymph node, often caused by a bacterial infection such as the bubonic plague
97. toxic ch_____als *adj.* relating to or connected with chemistry;
98. ove_____ate the amount of time spent *v.* to estimate something to be greater in amount or importance than it really is
99. de_____ve movie *n.* a person whose job it is to find out information about crimes and find out who did them

ANSWERS: 89. condemn, 90. branch, 91. bladder, 92. inferior, 93. grant, 94. complicated, 95. lobby, 96. bubo, 97. chemical, 98. overestimate, 99. detective

100. driving di_____ce *n.* the amount of space between two points, measured in units such as miles, meters, or kilometers; the extent, scope, or range between two things, such as distance or emotional distance
101. ex_____e weather events *adj.* very great in amount or degree
102. mic_____pe slide *n.* an instrument used to see objects or substances that are too small to be seen with the naked eye
103. ove_____ate the value *v.* to estimate something to be greater in amount or importance than it really is
104. z__m lens *v.* to move along very quickly; (noun) the act of rising upward into the air
105. make my pre_____ons *n.* the act of predicting the future by reasoning; a statement made about the future
106. in_____pt a call *v.* to say or do something that causes someone to stop in their speech or action
107. a spr_____et program *n.* a computer program that is used for displaying and dealing with numbers by arranging them in rows and columns
108. v_t of acid *n.* a large container, especially one used for storing or holding liquids
109. 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

ANSWERS: 100. distance, 101. extreme, 102. microscope, 103. overestimate, 104. zoom, 105. prediction, 106. interrupt, 107. spreadsheet, 108. vat, 109. patient

110. he_____e land *n.* a unit of area equal to 10,000 square meters
111. fi_____is diagnosis *n.* the formation of excess fibrous connective tissue in an organ or tissue, often associated with inflammation, scarring, or injury; a pathological condition that can affect various organs and tissues of the body, leading to impaired function and potential organ failure
112. 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
113. a large v_t for fermenting beer *n.* a large container, especially one used for storing or holding liquids
114. ca_____r lab *n.* a dead body, especially one used for scientific study or medical research
115. theory of the un_____se *n.* everything that exists, especially all physical matter, including planets, stars, galaxies, and all other forms of matter and energy
116. ca___n dioxide *n.* a chemical element that can be found in pure form as diamond or graphite, and it is also an essential part of coal and oil and is found in all plants and animals

ANSWERS: 110. hectare, 111. fibrosis, 112. process, 113. vat, 114. cadaver, 115. universe, 116. carbon

117. st_____e at low temperature *n.* the act or process of putting in and keeping something in a particular place for use in the future; an electronic memory device that can store information
118. re_____gn of lifestyle *v.* to design something again, especially in a different or modified form; (noun) the process of designing something again
119. permanent br__n damage *n.* the organ inside the head that is responsible for one's movement, thought, memory, and feeling
120. an_____ce the award winners *v.* to make something known or officially inform people about something
121. a ge_____c disorder *adj.* of or relating to genes (= parts of the DNA in cells) or the science of genes
122. di___e money equally *v.* to separate or cause to separate into parts or groups
123. di_____t ancestors *adj.* far away in space, time, or where you are; far apart in relevance, relationship, or kinship
124. ta_____ne flavor *n.* a sweet, juicy citrus fruit that is smaller and sweeter than an orange, usually with a reddish-orange peel
125. ob_____e wildlife *v.* to watch or notice something carefully, often to gather information or insights; to take note of something or someone; to celebrate or commemorate a special event or occasion
126. the great di_____ry of the century *n.* the act or process of finding information, a place, or an object, or learning about something that was previously not known

ANSWERS: 117. storage, 118. redesign, 119. brain, 120. announce, 121. genetic, 122. divide, 123. distant, 124. tangerine, 125. observe, 126. discovery

127. have a diverse mic_____me *n.* the community of microorganisms (= living things too small to be seen) that can usually be found living together in any given environment or the human body
128. arrive and de____t on time *v.* to go away or leave, especially to start a journey
129. de_____p software *n.* a flat working surface or table that is usually placed on top of a desk, typically used for a computer or other work-related activities
130. re__t at a high temperature *v.* to take action in response to something
131. a blazing ar_____nt *n.* a set of statements or reasons used to support or refute a proposition or theory; a verbal or physical fight or dispute
132. re_____ve allele *adj.* of or relating to the state of the economy declines; (of a gene) controlling a characteristic that is expressed only when a dominant allele is not present
133. an une_____ed visitor *adj.* not anticipated or regarded as likely to happen
134. loud p__p *n.* a short and soft sound like that of a small object dropping into water without a splash; (verb) drop with the sound of something falling into water
135. the_____al physicist *adj.* relating to the concepts and principles upon which a particular topic is founded, rather than practice and experience

ANSWERS: 127. microbiome, 128. depart, 129. desktop, 130. react, 131. argument, 132. recessive, 133. unexpected, 134. plop, 135. theoretical

136. a con_____ly varying mind *adv.* all the time
137. a sex chr_____me *n.* a long and string-like DNA molecule containing the part or all of the genetic material of an organism that controls what an animal or plant is like
138. the ha_____re department *n.* durable tools, machinery, and other equipment; the physical and electronic parts of a computer or other electronic systems
139. ind_____al alcohol *adj.* of or relating to or resulting from industry
140. beginning of the ind_____al revolution *adj.* of or relating to or resulting from industry
141. fr_____er disputes *n.* a border that separates two countries, or the area near this line
142. ex_____et mission *n.* a planet that orbits a star outside of the solar system
143. spread of the vi__s *n.* a tiny infectious organic material that causes disease in people, animals, and plants
144. ca_____r donor *n.* a dead body, especially one used for scientific study or medical research
145. an ac_____y of music *n.* a school for special training; a type of official organization that aims to encourage and develop standards in its particular field
146. c__t removal *n.* a sac, cavity, or abnormal growth in the body that is typically filled with fluid or semisolid material; usually benign but can also be cancerous and require treatment

ANSWERS: 136. constantly, 137. chromosome, 138. hardware, 139. industrial, 140. industrial, 141. frontier, 142. exoplanet, 143. virus, 144. cadaver, 145. academy, 146. cyst

147. f__k art *n.* people in general, especially those of a particular group or type
148. co_____e a large of alcohol *v.* to spend something, especially fuel, energy, or time, in a large amount
149. re_____d communities *v.* to build again or anew
150. organic agr_____re *n.* the practice or science of cultivating the land or raising stock
151. pho_____ph memories *n.* a picture or image that is produced by a camera; a visual representation or record of a person, object, or scene that has been captured electronically or on film
152. a con_____ly innovative enterprise *adv.* all the time
153. an_____y of a country's collapse *n.* the scientific study that deals with the physical structure of humans, animals, or plants
154. swollen bl_____r *n.* a hollow, flexible sac-like organ in the body that stores and expels fluids, such as urine or bile
155. honor gr_____te *n.* a person who has a first degree from university or college; (verb) to complete the first course of university or college and get a degree
156. say let_____ter *adv.* referring to a method of communication or transmission in which individual letters or characters are spelled out or conveyed one at a time, often used for slow, deliberate, or painstaking communication

ANSWERS: 147. folk, 148. consume, 149. rebuild, 150. agriculture, 151. photograph, 152. constantly, 153. anatomy, 154. bladder, 155. graduate, 156. letter-by-letter

157. sub_____te teacher *n.* a person or thing acting or serving instead of another one; (verb) to act as a something or someone instead of another one
158. id_____fy handwriting *v.* to recognize someone or something and say or prove who or what they are
159. deadly pl_____e *n.* any epidemic disease with a high death rate; (also called pest) a serious, sometimes fatal, infection spread by rats that causes fever and swellings on the body
160. the local chamber of co_____ce *n.* the activity of buying and selling things, especially on a large scale
161. ma_____y the image for display *v.* to make something look bigger than it really is, especially by looking at it through a lens; to make something bigger, stronger, or louder
162. spell let_____ter *adv.* referring to a method of communication or transmission in which individual letters or characters are spelled out or conveyed one at a time, often used for slow, deliberate, or painstaking communication
163. de____t from the faith *v.* to go away or leave, especially to start a journey
164. or____n of information *n.* the first existence or beginning of something
165. musical ins_____nts *n.* an object used to make musical sounds, such as a piano, guitar, or drum; a tool or device used for a specific activity, particularly in specialist or scientific work

ANSWERS: 157. substitute, 158. identify, 159. plague, 160. commerce, 161. magnify, 162. letter-by-letter, 163. depart, 164. origin, 165. instrument

166. expansion of the un_____se *n.* everything that exists, especially all physical matter, including planets, stars, galaxies, and all other forms of matter and energy
167. col_____al surgery *adj.* relating to or affecting both the colon (= a part of the large intestine) and the rectum (= a part of the digestive system), often used to refer to medical conditions of the lower digestive system
168. some une_____ed events *adj.* not anticipated or regarded as likely to happen
169. 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
170. em_____r my life *v.* to give someone the power or authority to do something
171. di_____fy energy sources *v.* to make something include more different types or things; to spread out activities or investments
172. co_____nt urinary diversion *n.* one of the earth's large landmasses; (adjective) abstaining from your feelings, especially your desire to have sex
173. lo__y for legislation *n.* a large area inside the entrance of a public building where people can meet and wait; a group of people who try to persuade a politician, the government, or an official group to influence legislation

ANSWERS: 166. universe, 167. colorectal, 168. unexpected, 169. cancer, 170. empower, 171. diversify, 172. continent, 173. lobby

174. plug numbers into a spr_____et *n.* a computer program that is used for displaying and dealing with numbers by arranging them in rows and columns
175. sequencing of the human ge___e *n.* the complete set or sequence of genes of a human, animal, plant, or other living things
176. en_____us amount *adj.* extremely large or great
177. de___t a bad event *v.* to find or recognize something, especially something difficult to see, hear, etc.
178. mu___t animal *n.* an organism that has characteristics resulting from a mutation (= alteration in the nucleic acid sequence of the genome)
179. 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
180. a selfish de_____on *n.* the act or process of making up someone's mind about something; a choice or judgment reached after considering options
181. Doppler sh__t *n.* a slight transition in position, direction, or trend
182. pr_____or cell *n.* a person or thing that comes before another of the same kind and that contributes to or influences its growth
183. a st_____e battery *n.* the act or process of putting in and keeping something in a particular place for use in the future; an electronic memory device that can store information

ANSWERS: 174. spreadsheet, 175. genome, 176. enormous, 177. detect, 178. mutant, 179. cancer, 180. decision, 181. shift, 182. precursor, 183. storage

184. at inc_____le speed *adj.* unbelievable; enormous
185. class obs_____on day *n.* the act or activity of carefully examining or monitoring something or someone
186. exp_____tal design *adj.* relating to or based on new ideas, forms, methods, etc. that have not been tried before, usually to find out what effect they have
187. animal an_____y *n.* the scientific study that deals with the physical structure of humans, animals, or plants
188. con_____ive about production *adj.* holding traditional views and values and opposed to change or innovation
189. an_____ce candidacy *v.* to make something known or officially inform people about something
190. re_____e the computer error *v.* to find a suitable answer to the problems or difficulty
191. so_____re architect *n.* a set of computer programs and associated documentation and data for doing particular computational jobs
192. sc__e the birds away *v.* to frighten a person or animal, or to become frightened
193. e__t a history book *v.* to prepare written material for publication by correcting, condensing, or otherwise modifying it
194. 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: 184. incredible, 185. observation, 186. experimental, 187. anatomy, 188. conservative, 189. announce, 190. resolve, 191. software, 192. scare, 193. edit, 194. process

195. save the pl___t *n.* any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star
196. em_____r the secretary to do the same *v.* to give someone the power or authority to do something
197. oxygenic pho_____sis *n.* the process through which plants and other organisms transform light energy into chemical energy, which is then released through cellular respiration to power the organism's activities.
198. c__e business activity *n.* the most essential or fundamental part of something
199. ch_____a epidemic *n.* a severe infectious disease that causes acute diarrhea, vomiting, and dehydration, often resulting in a rapid and dangerous loss of body fluids and electrolytes
200. ta_____ne peel *n.* a sweet, juicy citrus fruit that is smaller and sweeter than an orange, usually with a reddish-orange peel
201. 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
202. a c__p of wood *n.* a small fragment of something broken off from the whole; a long and thin piece of potato fried in oil or fat

ANSWERS: 195. planet, 196. empower, 197. photosynthesis, 198. core, 199. cholera, 200. tangerine, 201. patient, 202. chip

203. a silence pr_____nt with suspense *adj.* having a baby or young animal developing in the uterus
204. im_____t genes in the animals *v.* to insert or fix an artificial device in a person's body; to put an idea, attitude, etc., firmly in the mind
205. 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
206. r_p a notebook apart *v.* to tear something or be torn violently or suddenly
207. gr_____te degree program *n.* a person who has a first degree from university or college; (verb) to complete the first course of university or college and get a degree
208. pho_____ph album *n.* a picture or image that is produced by a camera; a visual representation or record of a person, object, or scene that has been captured electronically or on film
209. ca___n emission *n.* a chemical element that can be found in pure form as diamond or graphite, and it is also an essential part of coal and oil and is found in all plants and animals
210. a di_____t memory *adj.* far away in space, time, or where you are; far apart in relevance, relationship, or kinship
211. ne_____l colors *adj.* not helping or assisting either side in a conflict, argument, etc.

ANSWERS: 203. pregnant, 204. implant, 205. protein, 206. rip, 207. graduate, 208. photograph, 209. carbon, 210. distant, 211. neutral

212. re_____ve mutant *adj.* of or relating to the state of the economy declines; (of a gene) controlling a characteristic that is expressed only when a dominant allele is not present
213. a large st__k of paper *n.* a pile of something arranged or laid one on top of another; a large tall chimney through which combustion gases and smoke can be evacuated
214. economic bu___e *n.* a thin, round, and often transparent mass of gas that is surrounded by a thin layer of liquid; a state of economic or social prosperity that is unsustainable and eventually collapses
215. sc__e off her attacker by screaming *v.* to frighten a person or animal, or to become frightened
216. in___t a graphic *v.* to put something inside something else
217. sc_____h off a name *v.* to cut or damage the surface of something or the skin with a sharp or pointed object
218. learn new co_____ts *n.* an idea or principle associated with something abstract
219. ab___b energy *v.* to take in a fluid or other substance gradually
220. a mir_____us encounter *adj.* very effective or lucky, or completely unexpected
221. the_____al models *adj.* relating to the concepts and principles upon which a particular topic is founded, rather than practice and experience

ANSWERS: 212. recessive, 213. stack, 214. bubble, 215. scare, 216. insert, 217. scratch, 218. concept, 219. absorb, 220. miraculous, 221. theoretical

222. abs_____ly obsessed with the girl *adv.* without restriction or limitation; completely or utterly
223. inc_____le amount *adj.* unbelievable; enormous
224. major paradigm sh__t *n.* a slight transition in position, direction, or trend
225. complete no_____ly *adv.* usually; under normal conditions
226. the s__m of a matchstick *n.* the central part of something from which other parts can develop or grow; the part of a word common to all its inflected variants; (verb) to grow out of, have roots in, or originate in
227. skin mic_____me *n.* the community of microorganisms (= living things too small to be seen) that can usually be found living together in any given environment or the human body
228. beginning of the industrial
rev_____on *n.* a large-scale attempt to overthrow the government of a country, often using violence or war;
229. la___h a spaceship into orbit *v.* to send or propel something into the air or space using a device such as a rocket, missile, or spacecraft; to make something available or on sale for the first time
230. en_____us potential *adj.* extremely large or great
231. mo___n poetry *adj.* of or belonging to the present time or recent times
232. a vast inventory of ha_____re *n.* durable tools, machinery, and other equipment; the physical and electronic parts of a computer or other electronic systems

ANSWERS: 222. absolutely, 223. incredible, 224. shift, 225. normally, 226. stem, 227. microbiome, 228. revolution, 229. launch, 230. enormous, 231. modern, 232. hardware

233. und_____ate the probability *v.* to think or suppose that a quantity, price, or size is smaller than it is
234. sy_____ic fiber *adj.* made by combining chemical substances as opposed to being naturally occurring
235. sub_____te coffee *n.* a person or thing acting or serving instead of another one; (verb) to act as a something or someone instead of another one
236. pre-mo____n agricultural society *adj.* of or belonging to the present time or recent times
237. di____e the cake into two pieces *v.* to separate or cause to separate into parts or groups
238. und_____ate an enemy *v.* to think or suppose that a quantity, price, or size is smaller than it is
239. in_____ct with one another *v.* to communicate or react with somebody
240. the Italian fr_____er with Switzerland *n.* a border that separates two countries, or the area near this line
241. un____k a concept *v.* to open and remove stored items from a container or package; to analyze or examine something in detail, often to clarify or understand it better
242. tr_____a infection *n.* the tube-like structure in the body through which air moves from the larynx (= a part of the human respiratory system located in the neck region) to the bronchi (= part of the respiratory system and are responsible for conducting air into the lungs), also known as the windpipe

ANSWERS: 233. underestimate, 234. synthetic, 235. substitute, 236. modern, 237. divide, 238. underestimate, 239. interact, 240. frontier, 241. unpack, 242. trachea

243. re____d a company *v.* to build again or anew
244. the c__e of an apple *n.* the most essential or fundamental part of something
245. me__e those systems into a new one *v.* to combine or integrate things, or to cause this to happen
246. de___t smuggling across borders *v.* to find or recognize something, especially something difficult to see, hear, etc.
247. laws of ph____s *n.* the science of matter and energy and their interactions
248. I don't care a c__p *n.* a small fragment of something broken off from the whole; a long and thin piece of potato fried in oil or fat
249. ad_____se the campaign *v.* to draw attention to something such as a product, service, or event in public to encourage people to buy, use, or attend it
250. re____ve factors *adj.* considered and evaluated through comparison with something else
251. insulin v__l *n.* a small glass container, especially one containing liquid medicine or perfume
252. take a qu_____on *n.* a group of words taken from a text or speech and repeated by someone other than the original author or speaker
253. basic br__n function *n.* the organ inside the head that is responsible for one's movement, thought, memory, and feeling
254. talented ph_____st *n.* a scientist who specializes in the field of physics

ANSWERS: 243. rebuild, 244. core, 245. merge, 246. detect, 247. physics, 248. chip, 249. advertise, 250. relative, 251. vial, 252. quotation, 253. brain, 254. physicist

255. di_____fy my portfolio *v.* to make something include more different types or things; to spread out activities or investments
256. sp_____ic instructions *adj.* clearly defined or particular to a certain thing or situation; distinct, explicit, and precise
257. me__e into a new party *v.* to combine or integrate things, or to cause this to happen
258. look through a te_____pe *n.* a device like a tube in shape containing lenses used to magnify and observe distant objects
259. a remote re_____ve *adj.* considered and evaluated through comparison with something else
260. temporary me_____l treatment *adj.* relating to the treatment of illness or injuries; relating to the practice of medicine
261. a strain of vi__s *n.* a tiny infectious organic material that causes disease in people, animals, and plants
262. baby c__b *n.* a small, enclosed bed for a baby, typically on rockers
263. di_____nt store *n.* a reduction in the original price of an item, product, or service; a deduction from the usual cost or value of something; (verb) to disregard or minimize the importance of something; to offer a lower price for a product or service than its original price
264. development of va_____es *n.* a substance that is put into the body and protects them from disease by causing them to produce antibodies (= proteins that attack harmful bacteria, viruses, etc.)

ANSWERS: 255. diversify, 256. specific, 257. merge, 258. telescope, 259. relative, 260. medical, 261. virus, 262. crib, 263. discount, 264. vaccine

265. housing per he_____e *n.* a unit of area equal to 10,000 square meters
266. p__p of water *n.* a short and soft sound like that of a small object dropping into water without a splash; (verb) drop with the sound of something falling into water
267. se_____te cream from milk *v.* to force, take, or pull apart; mark as different
268. high st__k *n.* a pile of something arranged or laid one on top of another; a large tall chimney through which combustion gases and smoke can be evacuated
269. ma_____y the danger *v.* to make something look bigger than it really is, especially by looking at it through a lens; to make something bigger, stronger, or louder
270. pulmonary fi_____is *n.* the formation of excess fibrous connective tissue in an organ or tissue, often associated with inflammation, scarring, or injury; a pathological condition that can affect various organs and tissues of the body, leading to impaired function and potential organ failure
271. a member of the Ac_____y *n.* a school for special training; a type of official organization that aims to encourage and develop standards in its particular field
272. la__r printer *n.* a device that emits powerful and narrow light that can be used as a tool to cut metal through a process of optical amplification

ANSWERS: 265. hectare, 266. plop, 267. separate, 268. stack, 269. magnify, 270. fibrosis, 271. academy, 272. laser

273. not no_____ly drink much *adv.* usually; under normal conditions
274. abruptly in_____pt *v.* to say or do something that causes someone to stop in their speech or action
275. go through a mir_____us change *adj.* very effective or lucky, or completely unexpected
276. the end of chr_____me *n.* a long and string-like DNA molecule containing the part or all of the genetic material of an organism that controls what an animal or plant is like
277. freedom of re_____on *n.* a deep conviction in a supernatural power that controls human destiny
278. abs_____ly against *adv.* without restriction or limitation; completely or utterly
279. gloomy pre_____ons *n.* the act of predicting the future by reasoning; a statement made about the future
280. a scientific di_____ry *n.* the act or process of finding information, a place, or an object, or learning about something that was previously not known
281. bu___e in the champagne glass *n.* a thin, round, and often transparent mass of gas that is surrounded by a thin layer of liquid; a state of economic or social prosperity that is unsustainable and eventually collapses
282. mo_____to bite *n.* a small flying insect whose female bites people and animals and sucks their blood, and sometimes transmits serious diseases such as malaria

ANSWERS: 273. normally, 274. interrupt, 275. miraculous, 276. chromosome, 277. religion, 278. absolutely, 279. prediction, 280. discovery, 281. bubble, 282. mosquito

283. sc____h my signature *v.* to cut or damage the surface of something or the skin with a sharp or pointed object
284. racial or____n *n.* the first existence or beginning of something
285. a sp__k of dust *n.* a very small spot, piece, or amount
286. double qu_____on marks *n.* a group of words taken from a text or speech and repeated by someone other than the original author or speaker
287. r_p a hole in the roof *v.* to tear something or be torn violently or suddenly
288. a con_____ive society *adj.* holding traditional views and values and opposed to change or innovation
289. catch the pl____e *n.* any epidemic disease with a high death rate; (also called pest) a serious, sometimes fatal, infection spread by rats that causes fever and swellings on the body
290. b__o formation *n.* a swollen and painful lymph node, often caused by a bacterial infection such as the bubonic plague
291. co_____n violence *v.* to express strong disapproval or criticism of something
292. ch_____a toxin *n.* a severe infectious disease that causes acute diarrhea, vomiting, and dehydration, often resulting in a rapid and dangerous loss of body fluids and electrolytes
293. died of tub_____sis *n.* an infectious disease usually caused by tubercle bacteria that can attack many parts of a person's body, especially their lungs

ANSWERS: 283. scratch, 284. origin, 285. speck, 286. quotation, 287. rip, 288. conservative, 289. plague, 290. bubo, 291. condemn, 292. cholera, 293. tuberculosis

294. ex_____e a double play *v.* to kill someone, especially as a legal punishment; to carry out or perform an action, duty, etc.
295. se_____te video into chapter *v.* to force, take, or pull apart; mark as different
296. di_____nt a draft *n.* a reduction in the original price of an item, product, or service; a deduction from the usual cost or value of something; (*v.*) to disregard or minimize the importance of something; to offer a lower price for a product or service than its original price
297. c__b bed *n.* a small, enclosed bed for a baby, typically on rockers
298. obs_____on instrument *n.* the act or activity of carefully examining or monitoring something or someone
299. s__m from a belief *n.* the central part of something from which other parts can develop or grow; the part of a word common to all its inflected variants; (*v.*) to grow out of, have roots in, or originate in
300. ad_____se on social media *v.* to draw attention to something such as a product, service, or event in public to encourage people to buy, use, or attend it
301. remove lo__e hair *adj.* not securely fixed or fastened in place or able to be detached or separated from something
302. exp_____tal data *adj.* relating to or based on new ideas, forms, methods, etc. that have not been tried before, usually to find out what effect they have

ANSWERS: 294. execute, 295. separate, 296. discount, 297. crib, 298. observation, 299. stem, 300. advertise, 301. loose, 302. experimental

303. ab___b a shock *v.* to take in a fluid or other substance gradually
304. the f__k songs of a particular district *n.* people in general, especially those of a particular group or type
305. ob_____e a tradition *v.* to watch or notice something carefully, often to gather information or insights; to take note of something or someone; to celebrate or commemorate a special event or occasion
306. a political rev_____on *n.* a large-scale attempt to overthrow the government of a country, often using violence or war;
307. evolutionary bi_____y *n.* the scientific study of life and the natural processes of living things
308. the ar_____nt against capital punishment *n.* a set of statements or reasons used to support or refute a proposition or theory; a verbal or physical fight or dispute
309. have ge_____c testing *adj.* of or relating to genes (= parts of the DNA in cells) or the science of genes
310. de___e competition *n.* a formal discussion or argument of opposing viewpoints, often to persuade others to adopt a specific position; a public discussion, often on an issue of current interest, in which participants offer opinions and differing perspectives
311. pulse la__r *n.* a device that emits powerful and narrow light that can be used as a tool to cut metal through a process of optical amplification

ANSWERS: 303. absorb, 304. folk, 305. observe, 306. revolution, 307. biology, 308. argument, 309. genetic, 310. debate, 311. laser

312. pl___t like the Earth *n.* any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star
313. a binocular te_____pe *n.* a device like a tube in shape containing lenses used to magnify and observe distant objects
314. a ch_____al compound *adj.* relating to or connected with chemistry;

ANSWERS: 312. planet, 313. telescope, 314. chemical

Session 3: Fill in the Blanks

1. Their _____ strictly prohibits them from drinking or gambling.
n. a deep conviction in a supernatural power that controls human destiny
2. The security camera has _____ four intruders.
v. to find or recognize something, especially something difficult to see, hear, etc.
3. _____ used to be considered a fatal disease.
n. an infectious disease usually caused by tubercle bacteria that can attack many parts of a person's body, especially their lungs
4. The patient presented with a painful right inguinal _____.
n. a swollen and painful lymph node, often caused by a bacterial infection such as the bubonic plague
5. 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
6. 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
7. I need to upgrade my _____ computer since it's become quite slow.
n. a flat working surface or table that is usually placed on top of a desk, typically used for a computer or other work-related activities

ANSWERS: 1. religion, 2. detected, 3. Tuberculosis, 4. bubo, 5. protein, 6. specific, 7. desktop

8. The _____ Kepler-186f is located 500 light-years from Earth and is believed to be habitable.
- n.* a planet that orbits a star outside of the solar system
9. Solar gravity creates _____ pressures and temperatures.
- adj.* very great in amount or degree
10. The doctors said that her recovery was a _____.
- n.* an act or occurrence that is not explicable by natural or scientific laws and is therefore believed to be caused by God
11. 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
12. Mercury is the closest _____ to the sun.
- n.* any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star
13. The _____ team worked quickly to save the patient's life.
- adj.* relating to the treatment of illness or injuries; relating to the practice of medicine
14. Many people worry that the current real estate market is a _____ that could burst soon.
- n.* a thin, round, and often transparent mass of gas that is surrounded by a thin layer of liquid; a state of economic or social prosperity that is unsustainable and eventually collapses
15. Inhaling irritants can cause inflammation of the _____ and lead to coughing.
- n.* the tube-like structure in the body through which air moves from the larynx (= a part of the human respiratory system located in the neck region) to the bronchi (= part of the respiratory system and are responsible for conducting air into the lungs), also known as the windpipe

ANSWERS: 8. exoplanet, 9. extreme, 10. miracle, 11. virus, 12. planet, 13. medical, 14. bubble, 15. trachea

16. The professor explained the _____ of the nervous system.
n. the scientific study that deals with the physical structure of humans, animals, or plants
17. The _____ between the two sides over the proposed policy was heated.
n. a set of statements or reasons used to support or refute a proposition or theory; a verbal or physical fight or dispute
18. The mobile application industry is _____ changing.
adv. all the time
19. Her research team made an important _____.
n. the act or process of finding information, a place, or an object, or learning about something that was previously not known
20. The company is set to _____ its new product line next month.
v. to send or propel something into the air or space using a device such as a rocket, missile, or spacecraft; to make something available or on sale for the first time
21. The company specializes in both hardware and _____.
n. a set of computer programs and associated documentation and data for doing particular computational jobs
22. This company _____ its battery problem completely.
v. to find a suitable answer to the problems or difficulty
23. Absolute zero is the lowest _____ temperature.
adj. relating to the concepts and principles upon which a particular topic is founded, rather than practice and experience

ANSWERS: 16. anatomy, 17. argument, 18. constantly, 19. discovery, 20. launch, 21. software, 22. resolves, 23. theoretical

24. Our farm experienced a _____ of locusts this year.
- n.* any epidemic disease with a high death rate; (also called pest) a serious, sometimes fatal, infection spread by rats that causes fever and swellings on the body
25. Flight across the _____ was a daring adventure in its day.
- n.* one of the earth's large landmasses; (adjective) abstaining from your feelings, especially your desire to have sex
26. The news of her promotion _____ her.
- v.* to make someone feel suddenly enthusiastic or eager
27. 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
28. She put the baby in the portable _____ for a nap.
- n.* a small, enclosed bed for a baby, typically on rockers
29. A healthy diet and regular exercise can help reduce the risk of developing _____ cancer.
- adj.* relating to or affecting both the colon (= a part of the large intestine) and the rectum (= a part of the digestive system), often used to refer to medical conditions of the lower digestive system
30. The children were learning to read _____ as part of their literacy lessons.
- adv.* referring to a method of communication or transmission in which individual letters or characters are spelled out or conveyed one at a time, often used for slow, deliberate, or painstaking communication

ANSWERS: 24. plague, 25. continent, 26. excited, 27. genetic, 28. crib, 29. colorectal, 30. letter-by-letter

31. The patient was sent for an X-ray to determine the cause of the _____ in her abdomen.
- n.* a sac, cavity, or abnormal growth in the body that is typically filled with fluid or semisolid material; usually benign but can also be cancerous and require treatment
32. In the hospital, she will remain under constant _____.
- n.* the act or activity of carefully examining or monitoring something or someone
33. Could you help me _____ some furniture?
- n.* a slight transition in position, direction, or trend
34. He included a _____ from the book in his essay.
- n.* a group of words taken from a text or speech and repeated by someone other than the original author or speaker
35. The marathon runner covered a long _____ in a short amount of time.
- n.* the amount of space between two points, measured in units such as miles, meters, or kilometers; the extent, scope, or range between two things, such as distance or emotional distance
36. We want to _____ our company through your media.
- v.* to draw attention to something such as a product, service, or event in public to encourage people to buy, use, or attend it
37. Her new documentary earned her an _____ Award.
- n.* a school for special training; a type of official organization that aims to encourage and develop standards in its particular field
38. Sulfur dioxide and nitrogen oxides are the primary _____ of acid rain.
- n.* a person or thing that comes before another of the same kind and that contributes to or influences its growth

ANSWERS: 31. cyst, 32. observation, 33. shift, 34. quotation, 35. distance, 36. advertise, 37. Academy, 38. precursors

39. Can you _____ 123321 by eleven?

v. to separate or cause to separate into parts or groups

40. A smaller car will _____ less fuel.

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

41. The _____ is about 13.8 billion years old.

n. everything that exists, especially all physical matter, including planets, stars, galaxies, and all other forms of matter and energy

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

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

43. Lizards can _____ their tails if they are cut off.

v. to grow back or regenerate after being cut or removed, such as cells or tissues in the body, or plants and vegetation

44. This facility has the largest astronomical _____ in the country.

n. a device like a tube in shape containing lenses used to magnify and observe distant objects

45. The symptoms of _____ may include fatigue, weakness, and fever.

n. a type of cancer that affects the blood and bone marrow, in which abnormal white blood cells are produced and grow uncontrollably

46. Einstein was an outstanding and famous _____ of the 20th century.

n. a scientist who specializes in the field of physics

ANSWERS: 39. divide, 40. consume, 41. universe, 42. distant, 43. regrow, 44. telescope, 45. leukemia, 46. physicist

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

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

48. The company is planning to _____ its website.

v. to design something again, especially in a different or modified form; (noun) the process of designing something again

49. We hit the ground to _____ out the rabbits.

v. to frighten a person or animal, or to become frightened

50. The _____ by the citizen resulted in a redistribution of wealth.

n. a large-scale attempt to overthrow the government of a country, often using violence or war;

51. This electronic _____ is required to undergo periodic inspections to ensure precision.

n. an object used to make musical sounds, such as a piano, guitar, or drum; a tool or device used for a specific activity, particularly in specialist or scientific work

52. The firm has grown into a large _____ manufacturing.

adj. relating to or connected with chemistry;

53. The doctor will _____ a pacemaker to regulate his heart rate.

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

54. The third season of the anime show has been _____.

v. to make something known or officially inform people about something

ANSWERS: 47. zoomed, 48. redesign, 49. scare, 50. revolution, 51. instrument, 52. chemical, 53. implant, 54. announced

55. He always makes a _____ estimation when predicting future sales.
adj. holding traditional views and values and opposed to change or innovation
56. The chairperson _____ him the right to speak.
v. to agree to give or allow somebody
57. 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
58. I need to _____ my suitcase and put my clothes away.
v. to open and remove stored items from a container or package; to analyze or examine something in detail, often to clarify or understand it better
59. Drinking too much coffee can irritate the _____ and cause frequent urination.
n. a hollow, flexible sac-like organ in the body that stores and expels fluids, such as urine or bile
60. 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
61. Terrorists often attempt to _____ the economic impact of their acts of destruction.
v. to make something look bigger than it really is, especially by looking at it through a lens; to make something bigger, stronger, or louder
62. During transit, the stuff may _____ off the luggage tag.
v. to tear something or be torn violently or suddenly

ANSWERS: 55. conservative, 56. granted, 57. patient's, 58. unpack, 59. bladder, 60. genome, 61. magnify, 62. rip

63. The company _____ employees to buy low-price items without approval to achieve efficient purchasing.

v. to give someone the power or authority to do something

64. In _____ plants use carbon dioxide to feed themselves.

n. the process through which plants and other organisms transform light energy into chemical energy, which is then released through cellular respiration to power the organism's activities.

65. 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

66. The new employee's work was _____ to that of the experienced workers in the team.

adj. lower in rank, status, or quality

67. She _____ a new chapter into her manuscript.

v. to put something inside something else

68. Each country's officials can access the central _____.

n. a large amount of data stored in a computer system in such a way that it can be searched and updated easily

69. 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

70. Trees absorb _____ dioxide and give off oxygen.

n. a chemical element that can be found in pure form as diamond or graphite, and it is also an essential part of coal and oil and is found in all plants and animals

ANSWERS: 63. empowered, 64. photosynthesis, 65. biology, 66. inferior, 67. inserted, 68. database, 69. cancer, 70. carbon

71. Sensors convert physical phenomena into _____ signals.

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

72. The earthquake caused a _____ of lumber to crumble noisily.

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

73. 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

74. _____ design has become more focused on human nature aspect than ever before.

adj. of or relating to or resulting from industry

75. There are various hypotheses concerning the _____ of life.

n. the first existence or beginning of something

76. I _____ skim milk for regular milk because we are on a strict diet.

n. a person or thing acting or serving instead of another one; (verb) to act as a something or someone instead of another one

77. We can use this campaign as a bargaining _____ in the negotiations.

n. a small fragment of something broken off from the whole; a long and thin piece of potato fried in oil or fat

ANSWERS: 71. digital, 72. stack, 73. process, 74. Industrial, 75. origin, 76. substitute, 77. chip

78. The restaurant owner bought a large ____ of cooking oil for frying.
n. a large container, especially one used for storing or holding liquids
79. How did he _____ to your idea?
v. to take action in response to something
80. A stagnant water area are breeding ground for _____.
n. a small flying insect whose female bites people and animals and sucks their blood, and sometimes transmits serious diseases such as malaria
81. This company has invested heavily in Internet _____.
n. the activity of buying and selling things, especially on a large scale
82. We store customer data in cloud _____.
n. the act or process of putting in and keeping something in a particular place for use in the future; an electronic memory device that can store information
83. Every human is responsible for taking care of the Earth's _____.
n. the natural world such as air, water, and land in which humans, animals, and plants live
84. The ball fell into the water with a _____.
n. a short and soft sound like that of a small object dropping into water without a splash; (verb) drop with the sound of something falling into water
85. The _____ of Japan is known for its unique culture and advanced technology.
n. a large organized community of people living in a particular country or region and having a particular culture

ANSWERS: 78. vat, 79. react, 80. mosquitos, 81. commerce, 82. storage, 83. environment, 84. plop, 85. nation

86. Her response revealed _____ idiocy.

adj. unbelievable; enormous

87. He did _____ pen-and-ink drawings in just a few days.

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

88. 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

89. I got a massive _____ on my new laptop during the Black Friday sale.

n. a reduction in the original price of an item, product, or service; a deduction from the usual cost or value of something; (verb) to disregard or minimize the importance of something; to offer a lower price for a product or service than its original price

90. Some seaweed was used as _____ medicine in ancient times.

n. people in general, especially those of a particular group or type

91. They frequently _____ their abilities and felt inferior.

v. to think or suppose that a quantity, price, or size is smaller than it is

92. He should _____ more with his colleagues.

v. to communicate or react with somebody

93. He knocked over the red wine and _____ the tablecloth.

v. to damage, spoil, or demolish something; (noun) an unrecoverable state of devastation and destruction,

ANSWERS: 86. incredible, 87. complicated, 88. edit, 89. discount, 90. folk, 91. underestimated, 92. interact, 93. ruined

94. I will introduce you to how to _____ the leading causes of the malfunction.
v. to recognize someone or something and say or prove who or what they are
95. The _____ diligently pursued his cases.
n. a person whose job it is to find out information about crimes and find out who did them
96. X-rays revealed a small tumor in his _____.
n. the organ inside the head that is responsible for one's movement, thought, memory, and feeling
97. I always carry a backup _____ in case my phone runs out of battery.
n. a piece of equipment, tool, or technology that serves a particular purpose or function, often mechanical or electronic
98. The sponge _____ water well.
v. to take in a fluid or other substance gradually
99. The _____ scarcity most severely impacted the manufacturing sector
n. a substance that is typically burned to generate heat or energy
100. He made a _____ recovery.
adj. very effective or lucky, or completely unexpected
101. _____ is the foundation of our economy.
n. the practice or science of cultivating the land or raising stock
102. The _____ gene for blue eyes is only expressed when both parents carry the gene.
adj. of or relating to the state of the economy declines; (of a gene) controlling a characteristic that is expressed only when a dominant allele is not present

ANSWERS: 94. identify, 95. detective, 96. brain, 97. device, 98. absorbs, 99. fuel, 100. miraculous, 101. Agriculture, 102. recessive

103. Their headquarters are in a _____ skyscraper.
adj. of or belonging to the present time or recent times
104. The outbreak of _____ was a major health crisis in the 19th century.
n. a severe infectious disease that causes acute diarrhea, vomiting, and dehydration, often resulting in a rapid and dangerous loss of body fluids and electrolytes
105. Many people in tropical countries die from _____ every year.
n. a severe disease caused by a parasite that is spread by the bite of an infected mosquito
106. This consulting firm decided to _____ the two companies into one.
v. to combine or integrate things, or to cause this to happen
107. That _____ group actively advocated environmental protection to the government.
n. a large area inside the entrance of a public building where people can meet and wait; a group of people who try to persuade a politician, the government, or an official group to influence legislation
108. It is important to _____ safety procedures in the workplace to prevent accidents.
v. to watch or notice something carefully, often to gather information or insights; to take note of something or someone; to celebrate or commemorate a special event or occasion
109. A legislative speaker should always be _____.
adj. not helping or assisting either side in a conflict, argument, etc.

ANSWERS: 103. modern, 104. cholera, 105. malaria, 106. merge, 107. lobby, 108. observe, 109. neutral

110. The oil price continued their downward _____.

n. a general direction in which something is changing or developing

111. I found an old _____ of my grandparents from their wedding day.

n. a picture or image that is produced by a camera; a visual representation or record of a person, object, or scene that has been captured electronically or on film

112. This medication is sealed in a _____.

n. a small glass container, especially one containing liquid medicine or perfume

113. We do move forward with those tasks in _____ next week.

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

114. She vacated the position when she got _____.

adj. having a baby or young animal developing in the uterus

115. I don't _____ take a vacation in the middle of summer.

adv. usually; under normal conditions

116. The mRNA _____ was approved in less than a year because it did not contain the fragments of the target virus.

n. a substance that is put into the body and protects them from disease by causing them to produce antibodies (= proteins that attack harmful bacteria, viruses, etc.)

117. Many employers hire _____ trainees to train as managers.

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

ANSWERS: 110. trend, 111. photograph, 112. vial, 113. sequence, 114. pregnant, 115. normally, 116. vaccine, 117. graduate

118. 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

119. The _____ of the tree had fallen and blocked the road.

n. a division of a tree or woody shrub that grows out from the trunk or a main stem; a division of some larger or more complex organization

120. Human females normally have two X _____.

n. a long and string-like DNA molecule containing the part or all of the genetic material of an organism that controls what an animal or plant is like

121. The gut _____ is a major producer of serotonin, which is necessary for human mental stability.

n. the community of microorganisms (= living things too small to be seen) that can usually be found living together in any given environment or the human body

122. I used an optical _____ to observe the small organisms in the water sample.

n. an instrument used to see objects or substances that are too small to be seen with the naked eye

123. This inclusive environment has allowed the plant species to _____.

v. to make something include more different types or things; to spread out activities or investments

124. Omega-3 fatty acids, found in foods like fish and nuts, are a type of _____ that is good for heart health.

n. any of a group of organic compounds, including fats, oils, and waxes, that are insoluble in water but soluble in organic solvents and are essential constituents of living cells

ANSWERS: 118. separate, 119. branch, 120. chromosomes, 121. microbiome, 122. microscope, 123. diversify, 124. lipid

125. The company holds patents on core components of _____ jet printers.
n. a device that emits powerful and narrow light that can be used as a tool to cut metal through a process of optical amplification
126. The company implemented _____ measures to prevent future issues.
adj. acting in advance to deal with an expected difficulty or to take advantage of an opportunity.
127. The farm spans over 100 _____ of land.
n. a unit of area equal to 10,000 square meters
128. The mouse and keyboard are essential _____ for operating a PC.
n. durable tools, machinery, and other equipment; the physical and electronic parts of a computer or other electronic systems
129. A rose has thorns on its _____.
n. the central part of something from which other parts can develop or grow; the part of a word common to all its inflected variants; (verb) to grow out of, have roots in, or originate in
130. Don't _____ your mosquito bites.
v. to cut or damage the surface of something or the skin with a sharp or pointed object
131. The _____ rainstorm caused the collapse of the corral.
adj. not anticipated or regarded as likely to happen
132. Shakespeare's output of poetry was _____.
adj. extremely large or great

ANSWERS: 125. laser, 126. proactive, 127. hectares, 128. hardware, 129. stem, 130. scratch, 131. unexpected, 132. enormous

133. He studied the _____ of radiation.

n. the science of matter and energy and their interactions

134. These gas nebulas are merely newborn galactic _____.

n. the most essential or fundamental part of something

135. We _____ before the temperature fell below zero.

v. to go away or leave, especially to start a journey

136. One such rapidly growing _____ is quantum cryptography.

n. an idea or principle associated with something abstract

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

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

138. The plane was just a _____ in the sky.

n. a very small spot, piece, or amount

139. The biologist thinks this _____ gene links to cancer.

n. an organism that has characteristics resulting from a mutation (= alteration in the nucleic acid sequence of the genome)

140. I accidentally deleted all the contents of the _____.

n. a computer program that is used for displaying and dealing with numbers by arranging them in rows and columns

141. Most countries prohibit sexual activity between certain close _____.

adj. considered and evaluated through comparison with something else

ANSWERS: 133. physics, 134. cores, 135. departed, 136. concept, 137. decision, 138. speck, 139. mutant, 140. spreadsheet, 141. relatives

142. The inspector discovered _____ bolts under the fuel rods.

adj. not securely fixed or fastened in place or able to be detached or separated from something

143. The mafioso who collaborated with the police was _____.

v. to kill someone, especially as a legal punishment; to carry out or perform an action, duty, etc.

144. The government was _____ for its handling of the crisis.

v. to express strong disapproval or criticism of something

145. The hospital received a donation of _____ for their research program.

n. a dead body, especially one used for scientific study or medical research

146. Her sleep was _____ by recurring pain.

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

147. The doctor diagnosed him with cardiac _____ which put him at risk for heart failure.

n. the formation of excess fibrous connective tissue in an organ or tissue, often associated with inflammation, scarring, or injury; a pathological condition that can affect various organs and tissues of the body, leading to impaired function and potential organ failure

148. I love the taste of fresh _____ juice in the morning.

n. a sweet, juicy citrus fruit that is smaller and sweeter than an orange, usually with a reddish-orange peel

149. The product is still in the _____ stage.

adj. relating to or based on new ideas, forms, methods, etc. that have not been tried before, usually to find out what effect they have

ANSWERS: 142. loose, 143. executed, 144. condemned, 145. cadavers, 146. interrupted, 147. fibrosis, 148. tangerine, 149. experimental

150. He tends to _____ his abilities.

v. to estimate something to be greater in amount or importance than it really is

151. _____ diamonds play an essential role as machine tool blades.

adj. made by combining chemical substances as opposed to being naturally occurring

152. He worked at the _____ of behavioral economics.

n. a border that separates two countries, or the area near this line

153. I am _____ opposed to his idea because of morality.

adv. without restriction or limitation; completely or utterly

154. These results muddied the _____.

n. the act of predicting the future by reasoning; a statement made about the future

155. They are planning to _____ the house after the fire.

v. to build again or anew

156. The story of George Washington and the cherry tree is likely _____ but still taught in schools.

adj. of doubtful or questionable authenticity; well known, but probably not true

157. The _____ over climate change continues to be a hot topic in politics.

n. a formal discussion or argument of opposing viewpoints, often to persuade others to adopt a specific position; a public discussion, often on an issue of current interest, in which participants offer opinions and differing perspectives

ANSWERS: 150. overestimate, 151. Synthetic, 152. frontier, 153. absolutely, 154. prediction, 155. rebuild, 156. apocryphal, 157. debate