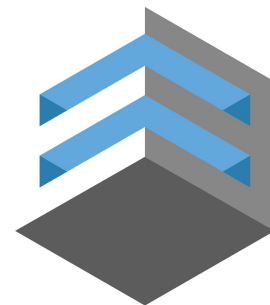


Englist.me



Vocabulary Builder Reference from...

Craig Venter: Watch me unveil "synthetic life" | TED Talk

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

All Words

IMPORTANT

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Session 1: Word List

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**.

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.

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.

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**.

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.

assemble

v. to collect in one place as a single group

synonym : gather, congregate, collect

(1) **assemble** your colleagues, (2) **assemble** a jigsaw puzzle

The president began to **assemble** an army.

yeast

n. a type of fungus that is used in making alcoholic drinks such as beer and wine or to make bread rise

synonym : leaven, fungus

(1) **yeast** cell, (2) **yeast-leavened** bread

They carefully nurture a **yeast** fungus used to produce sake.

transplant

v. to move or transfer something from one place or person to another; to take living tissue or an organ from one person, animal, part of the body, etc. and put it into or onto another

synonym : relocate, emigrate, graft

(1) **transplant** a heart, (2) **transplant** my family to America

He tried to **transplant** the seedling into a larger pot.

recipient

n. a person who receives something

synonym : receiver, beneficiary

(1) a **recipient** of a Nobel prize, (2) a **recipient** of a lung transplant

When performing an organ transplant, it is necessary to test for compatibility between the donor and **recipient**.

bacteria

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

synonym : microorganism, microbe

(1) pathogenic **bacteria**, (2) harmless **bacteria**

Bacteria prevalent in hospitals are often resistant to antibiotics.

transform

v. to change in outward structure or looks;

synonym : alter, convert, change

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

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

replicate

v. to make an exact copy of something; to repeat a process or experiment to confirm the results

synonym : duplicate, imitate, reproduce

(1) **replicate** the cell, (2) **replicate** data

The experiment was **replicated** several times to ensure accuracy.

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.

encode

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

synonym : transcribe, convert

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

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

genetic

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

synonym : hereditary, genetical, inborn

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

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

watermark

n. a visible or invisible design or pattern that is embedded into paper or other surfaces and is used to prevent counterfeiting or illegal copying

synonym : logo, insignia, emblem

(1) copyright **watermark**, (2) **watermark** logo

The **watermark** on the document ensured that it could not be forged or duplicated without permission.

inception

n. the beginning or start of something; the point in time when something comes into existence

synonym : origin, beginning, start

(1) **inception** date, (2) lease **inception**

The idea for the company was formed at its **inception** and has since grown into a successful business.

institute

n. an organization that has a specific purpose, particularly one dealing with science, education, or a particular profession; (verb) to initiate, introduce, or establish something

synonym : academy, university, college

(1) **institute** a lawsuit, (2) research **institutes**

This region has many **institutes** offering higher education.

involve

v. to include or affect someone or something as a necessary part of something else

synonym : implicate, include, engage

(1) **involve** a lot of paperwork, (2) **involve** a high degree of risk

The investigation **involves** several government agencies and is expected to take several months.

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.

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.

hemophilia

n. a genetic disorder in which the ability of the blood to clot is severely reduced, resulting in excessive bleeding and bruising

synonym: bleeding disorder, clotting disorder

(1) **hemophilia** treatment, (2) **hemophilia** diagnosis

He inherited **hemophilia** from his mother and suffers from frequent bleeding.

influenza

n. (formal for flu) a highly contagious viral disease that causes fever, severe aching, and catarrh and often occurs in epidemics

synonym: grippe, flu

(1) an epidemic outbreak of **influenza**, (2) **influenza B** strain

The research institute allocated a lot of money to study the cause and prevention of **influenza**.

organism

n. a tiny living thing

synonym: being, creature

(1) aerobic **organism**, (2) group of **organisms**

A diversified plant species generally enhances beneficial **organism** populations.

mycoplasma

n. a genus of bacteria that lack a cell wall and can cause respiratory and genital infections in humans and animals

synonym : mollicutes, pleuropneumonia-like organisms

(1) **mycoplasma** infection, (2) **mycoplasma** pneumonia

The research team developed a new diagnostic tool to detect **mycoplasma** presence in clinical samples rapidly.

genital

adj. of or relating to the external and internal reproductive organs

synonym : reproductive, genetic, sexual

(1) **genital** bleeding, (2) pain in the **genital** area

The **genital** organs of the human body are necessary for reproduction.

suppose

v. to think that something is likely to be actual or possible

synonym : guess, assume, presume

(1) **suppose** you're right, (2) **suppose** beforehand

What do you **suppose** the culprit's motive was?

basis

n. the most important facts, ideas, or events from which something is developed; the way how things are organized or arranged

synonym : foundation, base, ground

(1) on an equal **basis**, (2) **basis** for calculation

This evidence will form the **basis** for our discussion.

cellular

adj. of or connected with the cells of animals or plants; of or connected with a mobile telephone system that uses several short-range radio stations instead of wires

synonym : organic, biological, nuclear

(1) **cellular** and molecular biology, (2) a **cellular** phone handset

This factory employs a **cellular** manufacturing system.

quest

n. a long or challenging search for something

synonym : exploration, inquisition, pursuit

(1) the **quest** for truth, (2) on a **quest** for happiness

That adventurer traveled in **quest** of buried treasure.

eliminate

v. to remove or get rid of someone or something
synonym: wipe out, destroy, eradicate

(1) **eliminate** contestants, (2) **eliminate** sexual barriers

We can **eliminate** this possibility from those consumptions.

gene

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

synonym: factor, cistron

(1) **gene** expression, (2) **gene** cloning

A defective **gene** is responsible for the disease.

decide

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

synonym: choose, determine, settle

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

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

synthesize

v. to combine a substance to make a more complex product or compound

synonym: incorporate, amalgamate

(1) **synthesize** molecules, (2) **synthesize** information

The spider can **synthesize** multiple different silk proteins.

vary

v. to become different in terms of size, shape, etc.

synonym: alter, contrast, differ

(1) **vary** according to the age, (2) **vary** directly with the price

Maximum heart rates **vary** a lot for each individual.

essential

adj. indispensable; fundamental

synonym: critical, crucial, basic

(1) **essential** amino acid, (2) **essential** commodities of life

Trial and error is an **essential** part of education.

experiment

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

synonym : experimentation, investigation

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

His **experiments** showed highly positive results.

undertake

v. to do or begin to do something, such as an enterprise or responsibility

synonym : assume, take on, embark

(1) **undertake** an enterprise, (2) **undertake** routine duties

Young people in this country should **undertake** military duties.

ethics

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

synonym : morals, principles, moralities

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

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

laboratory

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

synonym : lab, workshop, testing room

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

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

independence

n. freedom from another's or others' control or influence

synonym : freedom, liberty, autonomy

(1) financial **independence**, (2) **independence** ceremony

There is nothing more valuable than **independence** and freedom.

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.

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**.

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.

blacksmith

n. a smith who forges and shapes iron with a hammer and anvil

(1) **blacksmith** welding, (2) **blacksmith** shop

The **blacksmith** shaped a horseshoe on his anvil.

develop

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

synonym: evolve, progress, advance

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

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

bacteriophage

n. (also "phage") a virus that infects and destroys bacteria

synonym: phage, bacterial virus, bacteriovore

(1) DNA-containing **bacteriophage**, (2) **bacteriophage** infection

Scientists are studying the use of **bacteriophages** to combat bacterial infections.

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.

coli

n. a bacterium of the genus Escherichia that is commonly found in the human gut and is used as a model organism in molecular biology and biochemistry

(1) E. **coli** bacteria strain, (2) **coli** cells

The study of Escherichia **coli** has led to important advancements in areas such as antibiotic resistance, gut microbiome, and synthetic biology.

phi

n. the 21st letter of the Greek alphabet, used in mathematics and sciences to represent various concepts such as the golden ratio, magnetic flux, and phase angle

(1) golden **phi** ratio, (2) **phi** coefficient

The mathematician explained the significance of **phi** in the sequence of Fibonacci numbers.

historic

adj. famous or significant in history, or potentially so

synonym: memorable, momentous, historical

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

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

viral

adj. relating to or caused by a virus

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

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

serial

adj. consisting of or occurring in a series or sequence; relating to or involving a series or sequence of events, stories, or incidents

synonym : consecutive, sequential, successive

(1) **serial** killer, (2) **serial** number

The company is launching a new line of **serial** products aimed at young adults.

eventually

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

synonym : finally, someday, ultimately

(1) **eventually** become obsolete, (2) **eventually** succeed

The corporation **eventually** dominated the entire tobacco business.

substantially

adv. to a great extent or degree

synonym : considerably, essentially, largely

(1) the price went up **substantially**, (2) the house was **substantially** built

The proportion of female engineers has **substantially** increased.

initially

adv. at the beginning; at first

synonym : originally, primarily, firstly

(1) **initially** anticipated, (2) diagnosed **initially** as a tumor

This train departed later than **initially** scheduled.

chemistry

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

(1) professor of **chemistry**, (2) the **chemistry** of soil

He is familiar with **chemistry** and biology.

molecule

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

synonym : particle, element, atom

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

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

entity

n. something that exists independently and has its own identity

synonym : body, object, existent

(1) legal **entity**, (2) government **entity**

A company is a distinct legal **entity**.

activate

v. make something start working, more active or dynamic

synonym : mobilize, stimulate, initiate

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

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

parallel

adj. being everywhere equidistant and not intersecting; of or relating to the simultaneous performance of multiple operations

synonym : aligned, side-by-side, similar

(1) a **parallel** case, (2) **parallel** processing

He walked a road **parallel** to the railroad.

synthesis

n. the combination of components or elements to form a more complex whole; the creation of something new through combining parts or elements

synonym : combination, integration, compound

(1) **synthesis** of ammonia, (2) protein **synthesis** inhibitor

The chemical **synthesis** of the new drug was a breakthrough in medical research.

cycle

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

synonym : revolution, rotation, bike

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

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

probable

adj. likely to happen or likely to be true

synonym : likely, possible, potential

(1) **probable** outcome, (2) **probable** cause of a fire

It seems **probable** that he has forgotten our scheduled meeting.

debug

v. to remove errors or problems from a system or program, often through troubleshooting or testing

synonym : fix, troubleshoot, rectify

(1) **debug** a program, (2) **debug** a website

I had to **debug** the code several times before it would run correctly.

scenario

n. a description of possible actions or events in the future; a written outline of a play, film, or literary work

synonym : plan, scheme, procedure

(1) the worst case **scenario**, (2) number of different **scenarios**

The president prepared several possible **scenarios** for an enemy attack.

recipe

n. a set of instructions for preparing a dish, including the ingredients and the method of cooking

synonym : instructions, formula, method

(1) **recipe** book, (2) **recipe** collection

The **recipe** for the cake is passed down from generation to generation in her family.

philosophy

n. the study of general and fundamental questions, such as those about existence, reason, knowledge, values, mind

synonym : doctrine, attitude, creed

(1) **philosophy** of education, (2) western **philosophy**

Ethics is a branch of **philosophy**.

dynamic

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

synonym : energetic, active, vital

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

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

succeed

v. to accomplish or achieve a desired or intended result or goal; to prosper or attain success in a given field or endeavor

synonym : achieve, accomplish, triumph

(1) **succeed** beyond expectations, (2) **succeed** academically

I hope to **succeed** in my career and live a happy life.

unique

adj. being the only one of its kind; unlike anything else

synonym : one-of-a-kind, unparalleled, incomparable

(1) a **unique** teacher, (2) **unique** design

The painting is **unique**, and there is no other like it.

defend

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

synonym : protect, guard, support

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

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

mechanism

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

synonym : means, method, system

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

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

nuclease

n. an enzyme that breaks down nucleic acids, such as DNA and RNA, into smaller fragments by breaking the bonds between nucleotides

(1) restriction **nuclease**, (2) DNA **nuclease**

The **nuclease** enzyme is important for DNA replication and repair.

enzyme

n. a substance produced by a living organism that acts as a catalyst to bring about a specific biochemical reaction

synonym: catalyst, activator, accelerator

(1) **enzyme** reaction, (2) lack of digestive **enzymes**

A deficiency in the **enzyme** can lead to a medical condition.

chew

v. to crush or grind something, especially food, with the teeth and then swallow it

synonym: masticate, crush, grind

(1) **chew** each word, (2) **chew** a stick of gum

My dog loves to **chew** on bones.

define

v. to state or explain precisely the nature, scope, or meaning of something

synonym: characterize, depict, express

(1) **define** a word, (2) **define** my position

To advance this discussion, we must **define** "success" rigorously.

structure

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

synonym: construction, architecture, establishment

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

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

progression

n. the act or process of changing to the next stage or phase or moving forward

synonym : advancement, development, evolution

(1) **progression** of civilization, (2) **progression** of disease

The company has made great strides in its **progression** toward sustainability.

accomplished

adj. having completed a task or achieved a goal successfully; skilled or proficient at something

synonym : achieved, finished, completed

(1) **accomplished** at a very early age, (2) **accomplished** goal

She felt **accomplished** after finishing her book.

fragment

n. a small piece or part broken off or detached

synonym : piece, shard, segment

(1) **fragment** of a text, (2) a broken **fragment**

The archaeologist carefully pieced together the tiny **fragments** of pottery found at the dig site.

amazing

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

synonym : exceptional, extraordinary, wonderful

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

The golfer recorded an **amazing** distance.

addition

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

synonym : accumulation, expansion, addendum

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

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

eukaryotic

n. organisms whose cell nuclei are surrounded by a nuclear envelope

(1) **eukaryotic** algae, (2) **eukaryotic** genome

Mitochondria exist in every **eukaryotic** cell.

technique

n. a particular way or art of doing something that needs skill

synonym: approach, procedure, strategy

(1) a **technique** in martial arts, (2) the **technique** applied to construction

Jockey's superior **technique** brought him victory.

clone

n. a plant or animal whose genetic information is identical to that of a parent organism from which it was created; an unauthorized copy or imitation

synonym: duplicate, imitation, reproduction

(1) **clone** embryo, (2) recombinant **clone**

He is like an exact **clone** of his brother.

artificial

adj. not natural and made by human beings; not real but produced to resemble something

synonym: synthetic, man-made, manufactured

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

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

methyl

n. a type of organic compound that is characterized by the presence of a methyl group, which is a single carbon atom attached to three hydrogen atoms, and methyl compounds are commonly used as solvents, fuels, and in the production of a wide range of chemical products

(1) **methyl** alcohol, (2) **methyl** paraben

The plant biology research team identified the specific types of **methyl** groups present in the plant's DNA.

restriction

n. a limitation or constraint placed on something, or the act of limiting or constraining something

synonym: limitation, constraint, control

(1) nutritional **restriction**, (2) **restriction** on trade

The **restriction** on travel during the pandemic made it difficult for people to see their loved ones.

digest

v. to transform food into absorbable substances; break down

synonym: absorb, condense

(1) **digest** information, (2) help **digest** food

Most babies can readily **digest** a wide variety of foods.

advance

v. to go or move forward; to develop in a positive way

synonym: progress, boost, come along

(1) **advance** the technology, (2) **advance** a cooperative relationship

Scientific knowledge will **advance** significantly with the power of AI.

overconfidence

n. excessive trust or faith in one's abilities, judgments, or decisions, often leading to mistaken assumptions or risky behavior

synonym: overestimation, hubris, arrogance

(1) **overconfidence** bias, (2) false **overconfidence**

The student's **overconfidence** in their writing abilities caused them not to bother to proofread their essay, resulting in a poor grades.

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**.

background

n. the details of a person's social heritage, such as family, vocational or educational experience; past information that is essential to understanding a situation or problem

synonym: ground, experience, backdrop

(1) a **background** color, (2) a criminal **background**

The company's hiring criteria emphasize personality, not a person's **background**.

accurate

adj. correct and exact in all details

synonym : exact, precise, proper

(1) provide **accurate** information, (2) **accurate** measurements

The official transcript contains **accurate** academic records.

compatible

adj. capable of coexisting or working together without conflict or inconsistency; harmonious or well-matched

synonym : harmonious, congruent, consistent

(1) fully **compatible**, (2) **compatible** with HTML5

The new software is not **compatible** with the old operating system, causing compatibility issues and errors.

life-form

n. a living organism, especially one that has a distinct shape, structure, or behavior

synonym : organism, species, living organism

(1) **life-form** discovery, (2) a minute **life-form**

Scientists are searching for signs of **life-form** on other planets.

delete

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

synonym : erase, wipe out, remove

(1) **delete** a file, (2) **delete** this modification

Highlight the sentences that you want to **delete**.

accuracy

n. the state or degree of being exact or correct; the ability to perform something with proficiency and without mistake

synonym : precision, exactness, truthfulness

(1) degree of **accuracy**, (2) the **accuracy** of his compass

To assure **accuracy**, I recommend investing in high-quality test kits.

tolerate

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

synonym : endure, put up with, bear

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

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

colony

n. a country or an area that is governed by a more powerful country that is often far away

synonym: settlement, territory, plantation

(1) plant a **colony**, (2) a **colony** of bacteria

The **colony** declared its independence and became a republic.

tenet

n. one of the fundamental ideas or beliefs upon which a theory or broader group of views is founded

synonym: dogma, creed, principle

(1) basic **tenets**, (2) a fundamental **tenet** of Judaism

This section explains a central **tenet** of economics.

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.

distinguish

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

synonym: determine, differentiate, characterize

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

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

pitfall

n. a hidden or unsuspected danger or difficulty; a trap or snare

synonym: trap, snare, hazard

(1) potential **pitfall**, (2) **pitfall** to be avoided

One of the biggest **pitfalls** of starting a new business is

underestimating the costs.

contamination

n. the presence of something harmful or unwanted in a substance, material, or environment; the act of introducing harmful substances or materials into an environment or area

synonym : pollution, defilement, infection

(1) **contamination** levels, (2) soil **contamination**

The **contamination** of the water supply led to widespread illness in the community.

native

adj. connecting with or describing someone's birth country or place of birth, or someone born in a specific country or place

synonym : endemic, domestic, aboriginal

(1) **native** to Africa, (2) **native** language

The vegetation here is almost wholly **native**.

contaminate

v. to make something impure, unclean, or poisonous by contact or mixture

synonym : defile, pollute, adulterate

(1) **contaminate** with a disease, (2) **contaminate** his ego

We strive not to **contaminate** the environment when demolishing petroleum plants.

notion

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

synonym : idea, concept, belief

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

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

assign

v. to give a specific job or piece of work to a someone

synonym : entrust, delegate, designate

(1) **assign** projects, (2) **assign** top priority

Please **assign** a different color to each other kind of item.

amino

n. compounds and functional groups that contain a basic nitrogen atom with a lone pair (NH₂) that combine to make protein

(1) **amino** compound, (2) **amino** acid

This company was granted a patent for its **amino** resin manufacturing process.

acid

n. sour; water-soluble chemicals with a sour flavor; any of a variety of generally liquid compounds capable of reacting with and occasionally dissolving other materials

synonym: SOUR

(1) an **acid** reaction, (2) good source of essential amino **acids**

During pregnancy, the stomach generates less **acid** than usual.

translate

v. to convert or change words into another language

synonym: convert, transcribe, render

(1) **translate** a document into English, (2) **translate** the emotion to a movement

Translate the text from Italian into English.

alphabet

n. a character set that includes letters and is used to write a language

synonym: ABC's

(1) letters of an **alphabet**, (2) an **alphabet** of manual signs

He strove to memorize the Hebrew **alphabet**.

interpret

v. to explain or assign the meaning of information, actions, etc.

synonym: decode, decipher, analyze

(1) **interpret** a graph, (2) **interpret** the question

Different people might **interpret** this news differently.

- writ** *n.* a written legal order or command
synonym: legal document, order, legal process
(1) a **writ** of summons, (2) issue a **writ**
He was served with a **writ** of eviction, giving him the notice to vacate the property.
- mess** *n.* a state of confusion, dirtiness, or untidiness; (verb) to fail to do something or to make something dirty or untidy
synonym: disarray, confusion, predicament
(1) have a whole **mess**, (2) get into a **mess**
He made a frightful **mess** in his room.
- mathematics** *n.* the science dealing with the logic of quantities, shapes, spaces, and arrangement
synonym: arithmetic, calculation, calculus
(1) a good grounding in **mathematics**, (2) **mathematics** competition
He has a flair for **mathematics**.
- 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.
- function** *n.* the purpose or use of an object, system, or process; a particular activity or operation that is designed to serve a specific purpose; a mathematical concept that describes a relationship between two sets of values, called the input and output sets; (verb) to operate or work in a specific way, or to perform a particular task or purpose
synonym: purpose, mapping, job
(1) **function** properly, (2) immune **function**
The brain is an incredibly complex organ that controls the body's **function**.

frequent

adj. happening constantly

synonym : periodic, recurring, routine

(1) **frequent** absence, (2) **frequent** use

His heartaches are less **frequent** now.

codon

n. a sequence of three nitrogenous bases in a DNA or RNA molecule that specifies a particular amino acid or a start or stop signal in protein synthesis

synonym : genetic sequence, DNA triplet

(1) **codon** base, (2) **codon** sequence

Scientists have found that **codon** usage can vary among different species and even between different tissues within the same organism.

punctuate

v. to insert punctuation marks (= comma, period, colon, etc.) in the text; to interrupt periodically

synonym : emphasize, accent, mark

(1) **punctuate** a sentence, (2) **punctuate** his talk

Strikes had also **punctuated** the preceding weeks.

numb

adj. unable to feel physical sensation and movement; not showing human feeling or sensitivity

synonym : dazed, insensitive, emotionless

(1) **numb** with cold, (2) a **numb** mind

My left arm became **numb**.

remaining

adj. left over or still present after other parts have been used, removed, or destroyed; existing or persisting in a particular state or condition

synonym : residual, leftover, lingering

(1) **remaining** time, (2) **remaining** balance

The **remaining** supplies were quickly distributed among the survivors of the natural disaster.

contributor

n. a person or thing that adds to the achievement, production, or growth of something (such as a project, organization, or publication); a donor or benefactor

synonym : donor, giver, subscriber

(1) **contributor** of funds, (2) regular **contributor**

She is a major **contributor** to the local food bank, volunteering every week.

decode

v. to convert something, such as a message or piece of information, from a specific form into one that you can understand

synonym : decipher, translate, interpret

(1) **decode** a message, (2) ability to **decode** the differences

The software could **decode** the encrypted data and reveal the hidden information.

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.

critic

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

synonym : pundit, analyst, attacker

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

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

profound

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

synonym : deep, unsounded, far-reaching

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

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

err

v. to make a mistake or error; to stray from accuracy or correctness; to be mistaken or incorrect

synonym : mistake, blunder, slip

(1) **err** in decision-making, (2) **err** on the side of caution

He did not want to **err** in his judgment, so he double-checked all the facts before making a decision.

triumph

n. a great victory or achievement

synonym: victory, success, conquest

(1) **triumph** of democracy, (2) **triumph** of the spirit

The team's **triumph** in the championship resulted from their hard work and dedication.

recreate

v. to make something that existed previously happen or appear to exist again

synonym: renovate, vivify, revive

(1) **recreate** a single country, (2) **recreate** the feeling of the 1920s

She **recreated** the atmosphere of the pre-war age with her stage setting.

extensive

adj. covering a large area; having a wide range

synonym: ample, comprehensive, vast

(1) **extensive** experience, (2) have **extensive** vocabulary

The incident attracted **extensive** media coverage throughout the world.

ethical

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

synonym: honorable, moral, virtuous

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

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

envelop

v. to surround and cover completely; to encase

synonym: wrap, cover, surround

(1) **envelop** the whole world, (2) **envelop** her in a bear hug

The fog **enveloped** the city, making it difficult to see.

broad

adj. very wide; general

synonym: wide, expansive, comprehensive

(1) attract **broad** attention, (2) a **broad** mind
He accumulated wealth across a **broad** spectrum of assets.

discuss

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

synonym: talk about, converse, debate

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

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

communal

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

synonym: collaborative, combined, collective

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

Communal elections were held in several European countries.

policy

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

synonym: strategy, plan, guideline

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

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

federal

adj. relating to a central government or national authority; refers to government policies, laws, or programs that are implemented at a national level rather than a state or local level

synonym: national, central, governmental

(1) **federal** regulations, (2) **federal** funding

The **federal** government announced new regulations to protect the environment.

government

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

synonym: administration, regime, state

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

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

announcement

n. a public statement or declaration, often made in writing or through the media, that conveys important information or news

synonym: declaration, notification, statement

(1) public **announcement**, (2) **announcement** date

The company made an **announcement** about its new product at a press conference.

classify

v. to categorize or group something according to a system or set of criteria; to assign something to a particular class or category based on its characteristics or properties

synonym: categorize, sort, arrange

(1) **classify** images, (2) **classify** emails into folders

I need to **classify** these documents for the upcoming audit.

Congress

n. a formal meeting of the representatives of different countries, constituent states, organizations, trade unions, political parties, or other groups

synonym: legislature, parliament, assembly

(1) an international **Congress**, (2) peace **Congress**

Congress must consider this proposal in an unusual situation.

layman

n. a person who is not a professional or expert in a particular field, typically referring to someone who lacks specialized knowledge or training in a specific subject

synonym: layperson, non-expert, novice

(1) **layman** perspective, (2) **layman's** language

The doctor explained the procedure to me in **layman's** terms

so I could understand it.

significance

n. the importance or value attached to something; the quality of being significant or noteworthy

synonym : importance, value, worth

(1) **significance** level, (2) mystical **significance**

The **significance** of his discovery cannot be overstated.

breakthrough

n. a sudden, dramatic, and important discovery or development that helps to improve a situation or provide an answer to a problem

synonym : advance, progress, innovation

(1) **breakthrough** in the negotiations, (2) **breakthrough** discovery

A technique called deep learning has led to **breakthroughs** in AI.

ventral

adj. relating to or situated on or toward the belly or underside of an animal or organ; opposite of dorsal

synonym : abdominal, ventricose, stomachal

(1) **ventral** fin, (2) **ventral** hernia

The **ventral** side of the fish was beautifully colored.

giant

adj. enormous; much bigger or more important than similar items usually are

synonym : big, gigantic, huge

(1) **giant** trees, (2) **giant** tech company

The **giant** jets gradually dominate the world's airlines.

numerous

adj. amounting to a large indefinite number

synonym : many, considerable, countless

(1) **numerous** countries, (2) as **numerous** as the sand

These descriptions are based on a number of **numerous** assumptions.

avenue

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

synonym : artery, roadway, street

(1) an **avenue** of poplars, (2) an **avenue** to success
They explored every **avenue** they could think of.

ongoing

adj. continuing to exist or develop, or currently happening

synonym : continuous, current, proceeding

(1) still **ongoing**, (2) **ongoing** support

The new prime minister has vowed to take measures against the **ongoing** economic crisis.

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.

shorten

v. to make something shorter in length, duration, or extent; to reduce the length of something; to make something briefer or more concise

synonym : reduce, truncate, abridge

(1) **shorten** the deadline, (2) **shorten** the sentence

I want to **shorten** my haircut before the summer heat arrives.

disease

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

synonym : illness, ailment, affliction

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

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

evolve

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

synonym : develop, mature, grow

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

Eyeless fish **evolved** in dark caves.

rhinovirus

n. the most common viral infectious agent in humans and is the predominant cause of the common cold

(1) **rhinovirus** cold, (2) a **rhinovirus** in a host

About half of all asthma attacks are thought to be caused by **rhinovirus** infection.

evolutionary

adj. relating to or denoting how living things develop or change from earlier forms

synonym: developmental, mutative, transformative

(1) ecology and **evolutionary** biology, (2) the **evolutionary** process

Evolutionary algorithms can find ways to optimize that humans do not anticipate.

spill

v. to cause or allow liquid to run or flow over the edge of its container by accident

synonym: slop, drop, scatter

(1) **spill** a bit of wine, (2) **spill** my heart

He was determined to **spill** everything.

gulf

n. a large ocean inlet or deep bay that is partially enclosed by land

synonym: chasm, divide, abyss

(1) **gulf** war, (2) **gulf** stream

The **Gulf** of Mexico is a body of water in the southern United States.

reminder

n. something that serves to jog or refresh one's memory; a prompt or message that helps to recall or remember something

synonym: memo, notice, remembrance

(1) **reminder** message, (2) **reminder** email

The sticky notes served as helpful **reminders** of important tasks that needed to be completed.

measurement

n. the act or process of finding something's size, quantity, or degree

synonym: calculation, dimensions, size

(1) chest **measurement**, (2) a precise **measurement**

The **measurement** error of this industrial machine is less than one micrometer.

alternative

n. one of two or more available possibilities or choice

synonym: choice, option

(1) an **alternative** plan, (2) there is no other **alternative**

Doctors are gradually coming around to the idea of using **alternative** medicines.

strain

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

synonym: pressure, tension, breed

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

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

algae

n. A simple plant that grows in or near water and lacks typical leaves and roots

(1) **algae** biofuel, (2) blue **algae**

Algae has jammed the inlet to the water turbine.

efficiently

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

synonym: expeditiously, skillfully, ably

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

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

capture

v. to catch a person or an animal and confine them in an area which they cannot escape

synonym : catch, arrest, imprison

(1) **capture** a glimpse, (2) **capture** customers' hearts
I was able to **capture** the moment on film.

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.

oxide

n. a chemical compound that contains at least one oxygen atom and one other element

(1) silver **oxide**, (2) combined **oxide**

The blood's red coloring comes from iron **oxide**.

atmosphere

n. the mass of air that surrounds the Earth; the pervading tone or mood of a place, situation, or creative work

synonym : air, ambiance, circumstances

(1) carbon dioxide in the **atmosphere**, (2) a convivial **atmosphere**

The spaceship began to burn up as it approached the Earth's **atmosphere**.

concentration

n. the ability to focus all your time and energy on one thing without thinking about anything else.

synonym : attention, engagement, assiduity

(1) **concentration** of armaments, (2) his research area of **concentration**

This exam requires excellent **concentration** to pass.

hydrocarbon

n. an organic compound consisting entirely of hydrogen and carbon

(1) **hydrocarbon** production, (2) **hydrocarbon** molecules in crude oil

Burning **hydrocarbons** releases water vapor and carbon dioxide.

refinery

n. a facility that is used to process, purify, and refine raw materials such as oil or metal into a more useful or valuable form

synonym : plant, factory, processing plant

(1) hydrogen **refinery**, (2) **refinery** operations

The oil **refinery** was shut down due to safety concerns after a major accident.

norm

n. something that is regarded as usual, typical, or standard

synonym : criterion, mean, standard

(1) **norm** of action, (2) cultural **norm**

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

gasoline

n. a volatile flammable liquid obtained from petroleum, used mainly as a fuel in car engines, etc.

synonym : gas, petrol, fuel

(1) lead-free **gasoline**, (2) small **gasoline** engine

Luxury cars often require high-octane **gasoline** as fuel.

diesel

n. a type of heavy oil used as fuel; a vehicle or engine that uses diesel fuel

(1) **diesel** engine, (2) **diesel** car

Nearly all tractors operate on **diesel** fuel.

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

Session 2: Spelling

- | | |
|---------------------------------|--|
| 1. la___n's language | <i>n.</i> a person who is not a professional or expert in a particular field, typically referring to someone who lacks specialized knowledge or training in a specific subject |
| 2. a re_____nt of a Nobel prize | <i>n.</i> a person who receives something |
| 3. de___e my position | <i>v.</i> to state or explain precisely the nature, scope, or meaning of something |
| 4. help di___t food | <i>v.</i> to transform food into absorbable substances; break down |
| 5. severe cr___c | <i>n.</i> someone who expresses opinions about the quality of books, music, etc. |
| 6. ge_____l bleeding | <i>adj.</i> of or relating to the external and internal reproductive organs |
| 7. biomass f__l | <i>n.</i> a substance that is typically burned to generate heat or energy |
| 8. ye__t-leavened bread | <i>n.</i> a type of fungus that is used in making alcoholic drinks such as beer and wine or to make bread rise |
| 9. bac_____age infection | <i>n.</i> (also "phage") a virus that infects and destroys bacteria |
| 10. myc_____ma pneumonia | <i>n.</i> a genus of bacteria that lack a cell wall and can cause respiratory and genital infections in humans and animals |
| 11. a br__d mind | <i>adj.</i> very wide; general |

ANSWERS: 1. layman, 2. recipient, 3. define, 4. digest, 5. critic, 6. genital, 7. fuel, 8. yeast, 9. bacteriophage, 10. mycoplasma, 11. broad

12. a st___n of bacillus *n.* a force or pressure that stretches or pulls something, sometimes causing damage; (biology) a group of organisms within a species that differ in trivial ways from similar groups
13. cultural n___m *n.* something that is regarded as usual, typical, or standard
14. carbon dioxide in the atm_____re *n.* the mass of air that surrounds the Earth; the pervading tone or mood of a place, situation, or creative work
15. nutritional res_____on *n.* a limitation or constraint placed on something, or the act of limiting or constraining something
16. lab_____ry accident *n.* a workplace for doing scientific research or teaching science; a lab
17. in_____za B strain *n.* (formal for flu) a highly contagious viral disease that causes fever, severe aching, and catarrh and often occurs in epidemics
18. still on_____g *adj.* continuing to exist or develop, or currently happening
19. con_____or of funds *n.* a person or thing that adds to the achievement, production, or growth of something (such as a project, organization, or publication); a donor or benefactor
20. cl___e embryo *n.* a plant or animal whose genetic information is identical to that of a parent organism from which it was created; an unauthorized copy or imitation

ANSWERS: 12. strain, 13. norm, 14. atmosphere, 15. restriction, 16. laboratory, 17. influenza, 18. ongoing, 19. contributor, 20. clone

21. 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
22. hydrogen re____ry *n.* a facility that is used to process, purify, and refine raw materials such as oil or metal into a more useful or valuable form
23. re_____te the cell *v.* to make an exact copy of something; to repeat a process or experiment to confirm the results
24. series of exp_____nts *n.* the scientific test conducted to observe what happens and gain new knowledge
25. so_____re architect *n.* a set of computer programs and associated documentation and data for doing particular computational jobs
26. the most am_____g feeling *adj.* extremely surprising, especially in a way that you like or admire
27. chemical ad_____on *n.* the act or process of adding something to something else; the process of adding numbers
28. re_____te the feeling of the 1920s *v.* to make something that existed previously happen or appear to exist again
29. DNA nu_____se *n.* an enzyme that breaks down nucleic acids, such as DNA and RNA, into smaller fragments by breaking the bonds between nucleotides

ANSWERS: 21. digital, 22. refinery, 23. replicate, 24. experiment, 25. software, 26. amazing, 27. addition, 28. recreate, 29. nuclease

30. sy_____ic fertilizer *adj.* made by combining chemical substances as opposed to being naturally occurring
31. ba__s for calculation *n.* the most important facts, ideas, or events from which something is developed; the way how things are organized or arranged
32. the house was sub_____lly built *adv.* to a great extent or degree
33. false ove_____nce *n.* excessive trust or faith in one's abilities, judgments, or decisions, often leading to mistaken assumptions or risky behavior
34. the cy__e of the seasons *n.* an interval during which a recurring sequence of events occurs; a bicycle or motorcycle
35. acc_____hed at a very early age *adj.* having completed a task or achieved a goal successfully; skilled or proficient at something
36. a fundamental te__t of Judaism *n.* one of the fundamental ideas or beliefs upon which a theory or broader group of views is founded
37. copyrighted so_____re *n.* a set of computer programs and associated documentation and data for doing particular computational jobs
38. g__f stream *n.* a large ocean inlet or deep bay that is partially enclosed by land
39. con_____te with a disease *v.* to make something impure, unclean, or poisonous by contact or mixture
40. 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

ANSWERS: 30. synthetic, 31. basis, 32. substantially, 33. overconfidence, 34. cycle, 35. accomplished, 36. tenet, 37. software, 38. gulf, 39. contaminate, 40. quotation

41. ad____e a cooperative relationship *v.* to go or move forward; to develop in a positive way
42. the evo____ary process *adj.* relating to or denoting how living things develop or change from earlier forms
43. c__w each word *v.* to crush or grind something, especially food, with the teeth and then swallow it
44. the worst case sc____io *n.* a description of possible actions or events in the future; a written outline of a play, film, or literary work
45. good source of essential amino
a__ds *n.* sour; water-soluble chemicals with a sour flavor; any of a variety of generally liquid compounds capable of reacting with and occasionally dissolving other materials
46. letters of an al____et *n.* a character set that includes letters and is used to write a language
47. plant a co____y *n.* a country or an area that is governed by a more powerful country that is often far away
48. a w__t of summons *n.* a written legal order or command
49. evolutionary bi____y *n.* the scientific study of life and the natural processes of living things
50. a convivial atm____re *n.* the mass of air that surrounds the Earth; the pervading tone or mood of a place, situation, or creative work
51. en____e reaction *n.* a substance produced by a living organism that acts as a catalyst to bring about a specific biochemical reaction

ANSWERS: 41. advance, 42. evolutionary, 43. chew, 44. scenario, 45. acid, 46. alphabet, 47. colony, 48. writ, 49. biology, 50. atmosphere, 51. enzyme

52. di____s options *v.* to talk about or examine in detail through conversation or debate; to exchange ideas, opinions, or information on a particular topic
53. di___l car *n.* a type of heavy oil used as fuel; a vehicle or engine that uses diesel fuel
54. an international co____ss *n.* a formal meeting of the representatives of different countries, constituent states, organizations, trade unions, political parties, or other groups
55. ad____on of vectors *n.* the act or process of adding something to something else; the process of adding numbers
56. tr____rm heat into power *v.* to change in outward structure or looks;
57. el____te contestants *v.* to remove or get rid of someone or something
58. nu____us countries *adj.* amounting to a large indefinite number
59. co____al combination of funds *adj.* belonging to or used by a group rather than individuals; for common use
60. mat____cs competition *n.* the science dealing with the logic of quantities, shapes, spaces, and arrangement
61. na___e language *adj.* connecting with or describing someone's birth country or place of birth, or someone born in a specific country or place
62. re___e collection *n.* a set of instructions for preparing a dish, including the ingredients and the method of cooking

ANSWERS: 52. discuss, 53. diesel, 54. congress, 55. addition, 56. transform, 57. eliminate, 58. numerous, 59. communal, 60. mathematics, 61. native, 62. recipe

63. re_____ng balance *adj.* left over or still present after other parts have been used, removed, or destroyed; existing or persisting in a particular state or condition
64. on a qu__t for happiness *n.* a long or challenging search for something
65. harmless ba_____ia *n.* single-celled or noncellular spherical or spiral or rod-shaped organisms that exist in large numbers in the air, water, and soil, and also in living and dead creatures and plants, and are often a cause of disease
66. copyright wa_____rk *n.* a visible or invisible design or pattern that is embedded into paper or other surfaces and is used to prevent counterfeiting or illegal copying
67. syn_____ze information *v.* to combine a substance to make a more complex product or compound
68. ad_____e the technology *v.* to go or move forward; to develop in a positive way
69. myc_____ma infection *n.* a genus of bacteria that lack a cell wall and can cause respiratory and genital infections in humans and animals
70. 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
71. blue al__e *n.* A simple plant that grows in or near water and lacks typical leaves and roots

ANSWERS: 63. remaining, 64. quest, 65. bacteria, 66. watermark, 67. synthesize, 68. advance, 69. mycoplasma, 70. planet, 71. algae

72. issue a w__t *n.* a written legal order or command
73. sp__l my heart *v.* to cause or allow liquid to run or flow over the edge of its container by accident
74. ce_____ar and molecular biology *adj.* of or connected with the cells of animals or plants; of or connected with a mobile telephone system that uses several short-range radio stations instead of wires
75. e_r on the side of caution *v.* to make a mistake or error; to stray from accuracy or correctness; to be mistaken or incorrect
76. sig_____nce level *n.* the importance or value attached to something; the quality of being significant or noteworthy
77. smokeless f__l *n.* a substance that is typically burned to generate heat or energy
78. basic te__ts *n.* one of the fundamental ideas or beliefs upon which a theory or broader group of views is founded
79. achieve the hi_____ic feat *adj.* famous or significant in history, or potentially so
80. legal en___y *n.* something that exists independently and has its own identity
81. on_____g support *adj.* continuing to exist or develop, or currently happening
82. defense me_____sm *n.* a part of a machine, or a set of parts that performs a task; a natural or established process that occurs during a specific situation or reaction

ANSWERS: 72. writ, 73. spill, 74. cellular, 75. err, 76. significance, 77. fuel, 78. tenet, 79. historic, 80. entity, 81. ongoing, 82. mechanism

83. toxic ch____als *adj.* relating to or connected with chemistry;
84. con_____te his ego *v.* to make something impure, unclean, or poisonous by contact or mixture
85. a ch____al compound *adj.* relating to or connected with chemistry;
86. art cr____c *n.* someone who expresses opinions about the quality of books, music, etc.
87. E. c__i bacteria strain *n.* a bacterium of the genus Escherichia that is commonly found in the human gut and is used as a model organism in molecular biology and biochemistry
88. 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
89. research in_____tes *n.* an organization that has a specific purpose, particularly one dealing with science, education, or a particular profession; (verb) to initiate, introduce, or establish something
90. am____g advances *adj.* extremely surprising, especially in a way that you like or admire
91. a n__b mind *adj.* unable to feel physical sensation and movement; not showing human feeling or sensitivity
92. ac____te measurements *adj.* correct and exact in all details
93. have ge____c testing *adj.* of or relating to genes (= parts of the DNA in cells) or the science of genes
94. el_____te sexual barriers *v.* to remove or get rid of someone or something

ANSWERS: 83. chemical, 84. contaminate, 85. chemical, 86. critic, 87. coli, 88. protein, 89. institute, 90. amazing, 91. numb, 92. accurate, 93. genetic, 94. eliminate

95. ove_____nce bias *n.* excessive trust or faith in one's abilities, judgments, or decisions, often leading to mistaken assumptions or risky behavior
96. provide ac_____te information *adj.* correct and exact in all details
97. attract br__d attention *adj.* very wide; general
98. ac_____te a receptor *v.* make something start working, more active or dynamic
99. su_____e beforehand *v.* to think that something is likely to be actual or possible
100. de___e a file *v.* to remove something, especially that has been written; to wipe out digitally or magnetically recorded information
101. 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
102. 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.)
103. eff_____ly combined *adv.* in a way that produces maximum output with minimum effort or expense
104. a un___e teacher *adj.* being the only one of its kind; unlike anything else
105. ye__t cell *n.* a type of fungus that is used in making alcoholic drinks such as beer and wine or to make bread rise

ANSWERS: 95. overconfidence, 96. accurate, 97. broad, 98. activate, 99. suppose, 100. delete, 101. protein, 102. vaccine, 103. efficiently, 104. unique, 105. yeast

106. ex_____ve experience *adj.* covering a large area; having a wide range
107. cell and molecular bi_____y *n.* the scientific study of life and the natural processes of living things
108. un_____ke routine duties *v.* to do or begin to do something, such as an enterprise or responsibility
109. fr_____nt absence *adj.* happening constantly
110. tr_____h of the spirit *n.* a great victory or achievement
111. golden p_i ratio *n.* the 21st letter of the Greek alphabet, used in mathematics and sciences to represent various concepts such as the golden ratio, magnetic flux, and phase angle
112. fr_____nt of a text *n.* a small piece or part broken off or detached
113. com_____le with HTML5 *adj.* capable of coexisting or working together without conflict or inconsistency; harmonious or well-matched
114. health po_____y *n.* a set of rules, guidelines, principles, or procedures that govern decision-making or action, often used in the context of business or government; a course of action or plan of action adopted or followed by an organization or individual to achieve a goal or objective
115. a precise mea_____nt *n.* the act or process of finding something's size, quantity, or degree

ANSWERS: 106. extensive, 107. biology, 108. undertake, 109. frequent, 110. triumph, 111. phi, 112. fragment, 113. compatible, 114. policy, 115. measurement

116. an a__d reaction *n.* sour; water-soluble chemicals with a sour flavor; any of a variety of generally liquid compounds capable of reacting with and occasionally dissolving other materials
117. spread of the vi__s *n.* a tiny infectious organic material that causes disease in people, animals, and plants
118. hem_____ia treatment *n.* a genetic disorder in which the ability of the blood to clot is severely reduced, resulting in excessive bleeding and bruising
119. re_____te data *v.* to make an exact copy of something; to repeat a process or experiment to confirm the results
120. silver ox__e *n.* a chemical compound that contains at least one oxygen atom and one other element
121. rhi_____us cold *n.* the most common viral infectious agent in humans and is the predominant cause of the common cold
122. fe_____l funding *adj.* relating to a central government or national authority; refers to government policies, laws, or programs that are implemented at a national level rather than a state or local level
123. lack of digestive en___es *n.* a substance produced by a living organism that acts as a catalyst to bring about a specific biochemical reaction
124. restriction nu_____se *n.* an enzyme that breaks down nucleic acids, such as DNA and RNA, into smaller fragments by breaking the bonds between nucleotides

ANSWERS: 116. acid, 117. virus, 118. hemophilia, 119. replicate, 120. oxide, 121. rhinovirus, 122. federal, 123. enzyme, 124. nuclease

125. the pr____nd depths of the sea *adj.* extremely great; sensed or experienced very strongly; displaying a high level of knowledge or comprehension
126. small mo____les *n.* a group of two or more atoms held together by attractive forces known as chemical bonds
127. na____e to Africa *adj.* connecting with or describing someone's birth country or place of birth, or someone born in a specific country or place
128. dis____sh man from the other animals *v.* to notice or understand the difference between two people or things
129. gov____nt funding *n.* the group of people with authority to control a country or state
130. st____n our eyes *n.* a force or pressure that stretches or pulls something, sometimes causing damage; (biology) a group of organisms within a species that differ in trivial ways from similar groups
131. the me____sm for DNA replication *n.* a part of a machine, or a set of parts that performs a task; a natural or established process that occurs during a specific situation or reaction
132. chaotic env____nt *n.* the natural world such as air, water, and land in which humans, animals, and plants live
133. a strain of vi__s *n.* a tiny infectious organic material that causes disease in people, animals, and plants

ANSWERS: 125. profound, 126. molecule, 127. native, 128. distinguish, 129. government, 130. strain, 131. mechanism, 132. environment, 133. virus

134. the DNA se____ce *n.* a series of related events, actions, numbers, etc., which have a particular order
135. de__g a program *v.* to remove errors or problems from a system or program, often through troubleshooting or testing
136. sequencing of the human ge____e *n.* the complete set or sequence of genes of a human, animal, plant, or other living things
137. as____n top priority *v.* to give a specific job or piece of work to a someone
138. ve____l hernia *adj.* relating to or situated on or toward the belly or underside of an animal or organ; opposite of dorsal
139. a rhi____us in a host *n.* the most common viral infectious agent in humans and is the predominant cause of the common cold
140. regular con____or *n.* a person or thing that adds to the achievement, production, or growth of something (such as a project, organization, or publication); a donor or benefactor
141. a broken fr____nt *n.* a small piece or part broken off or detached
142. de____p a skill *v.* to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created

ANSWERS: 134. sequence, 135. debug, 136. genome, 137. assign, 138. ventral, 139. rhinovirus, 140. contributor, 141. fragment, 142. develop

143. phi_____hy of education *n.* the study of general and fundamental questions, such as those about existence, reason, knowledge, values, mind
144. fully com_____le *adj.* capable of coexisting or working together without conflict or inconsistency; harmonious or well-matched
145. con_____ion of armaments *n.* the ability to focus all your time and energy on one thing without thinking about anything else.
146. a te_____ue in martial arts *n.* a particular way or art of doing something that needs skill
147. detect a vi__l code *adj.* relating to or caused by a virus
148. a ge_____c disorder *adj.* of or relating to genes (= parts of the DNA in cells) or the science of genes
149. 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
150. abs_____ly obsessed with the girl *adv.* without restriction or limitation; completely or utterly
151. mo_____le behavior *n.* a group of two or more atoms held together by attractive forces known as chemical bonds
152. un____e design *adj.* being the only one of its kind; unlike anything else
153. 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: 143. philosophy, 144. compatible, 145. concentration, 146. technique,

147. viral, 148. genetic, 149. planet, 150. absolutely, 151. molecule, 152. unique, 153. process

154. di_____e control *n.* a disorder or illness that affects the body or mind, often characterized by specific symptoms or abnormal functioning of organs or systems
155. cl_____fy images *v.* to categorize or group something according to a system or set of criteria; to assign something to a particular class or category based on its characteristics or properties
156. abs_____ly against *adv.* without restriction or limitation; completely or utterly
157. acc_____hed goal *adj.* having completed a task or achieved a goal successfully; skilled or proficient at something
158. con_____ion levels *n.* the presence of something harmful or unwanted in a substance, material, or environment; the act of introducing harmful substances or materials into an environment or area
159. soil con_____ion *n.* the presence of something harmful or unwanted in a substance, material, or environment; the act of introducing harmful substances or materials into an environment or area
160. fight vi__l infections *adj.* relating to or caused by a virus
161. a re_____nt of a lung transplant *n.* a person who receives something
162. 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: 154. disease, 155. classify, 156. absolutely, 157. accomplished, 158. contamination, 159. contamination, 160. viral, 161. recipient, 162. vaccine

163. re_____ng time *adj.* left over or still present after other parts have been used, removed, or destroyed; existing or persisting in a particular state or condition
164. group of or_____sms *n.* a tiny living thing
165. de___e a message *v.* to convert something, such as a message or piece of information, from a specific form into one that you can understand
166. ac_____te a motor *v.* make something start working, more active or dynamic
167. bre_____ugh in the negotiations *n.* a sudden, dramatic, and important discovery or development that helps to improve a situation or provide an answer to a problem
168. pa_____el processing *adj.* being everywhere equidistant and not intersecting; of or relating to the simultaneous performance of multiple operations
169. public ann_____ent *n.* a public statement or declaration, often made in writing or through the media, that conveys important information or news
170. no___n of success *n.* a general idea or understanding of something, particularly an abstract or complex concept; a belief or opinion, often one that is not based on solid evidence or facts
171. tr_____te a document into English *v.* to convert or change words into another language

ANSWERS: 163. remaining, 164. organism, 165. decode, 166. activate, 167. breakthrough, 168. parallel, 169. announcement, 170. notion, 171. translate

172. 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
173. pu_____te his talk *v.* to insert punctuation marks (= comma, period, colon, etc.) in the text; to interrupt periodically
174. c__i cells *n.* a bacterium of the genus Escherichia that is commonly found in the human gut and is used as a model organism in molecular biology and biochemistry
175. pi_____l to be avoided *n.* a hidden or unsuspected danger or difficulty; a trap or snare
176. an epidemic outbreak of in_____za *n.* (formal for flu) a highly contagious viral disease that causes fever, severe aching, and catarrh and often occurs in epidemics
177. ecology and evo_____ary biology *adj.* relating to or denoting how living things develop or change from earlier forms
178. chest mea_____nt *n.* the act or process of finding something's size, quantity, or degree
179. di_____s solutions *v.* to talk about or examine in detail through conversation or debate; to exchange ideas, opinions, or information on a particular topic
180. ev___e over the past decade *v.* to develop gradually, or to cause the development of something or someone gradually
181. lead-free ga_____ne *n.* a volatile flammable liquid obtained from petroleum, used mainly as a fuel in car engines, etc.

ANSWERS: 172. carbon, 173. punctuate, 174. coli, 175. pitfall, 176. influenza, 177. evolutionary, 178. measurement, 179. discuss, 180. evolve, 181. gasoline

182. re___e book *n.* a set of instructions for preparing a dish, including the ingredients and the method of cooking
183. shoulder et_____l responsibility *adj.* of or relating to principles about what is right and wrong, or the branch of knowledge dealing with these
184. de__g a website *v.* to remove errors or problems from a system or program, often through troubleshooting or testing
185. bla_____th welding *n.* a smith who forges and shapes iron with a hammer and anvil
186. on an equal ba__s *n.* the most important facts, ideas, or events from which something is developed; the way how things are organized or arranged
187. gi__t tech company *adj.* enormous; much bigger or more important than similar items usually are
188. recombinant cl__e *n.* a plant or animal whose genetic information is identical to that of a parent organism from which it was created; an unauthorized copy or imitation
189. the se_____ce of the seasons *n.* a series of related events, actions, numbers, etc., which have a particular order
190. financial ind_____nce *n.* freedom from another's or others' control or influence
191. 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: 182. recipe, 183. ethical, 184. debug, 185. blacksmith, 186. basis, 187. giant, 188. clone, 189. sequence, 190. independence, 191. carbon

192. a co___y of bacteria *n.* a country or an area that is governed by a more powerful country that is often far away
193. re_____er message *n.* something that serves to jog or refresh one's memory; a prompt or message that helps to recall or remember something
194. lease in_____on *n.* the beginning or start of something; the point in time when something comes into existence
195. peace co_____ss *n.* a formal meeting of the representatives of different countries, constituent states, organizations, trade unions, political parties, or other groups
196. an al_____et of manual signs *n.* a character set that includes letters and is used to write a language
197. de___e a question *v.* to make up someone's mind about something; to come to a conclusion or judgment after considering options
198. de___e on a course of action *v.* to make up someone's mind about something; to come to a conclusion or judgment after considering options
199. ev___e *v.* to develop gradually, or to cause the development of something or someone gradually
200. 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

ANSWERS: 192. colony, 193. reminder, 194. inception, 195. congress, 196. alphabet, 197. decide, 198. decide, 199. evolve, 200. process

201. anthropology lab_____ry *n.* a workplace for doing scientific research or teaching science; a lab
202. en_____p her in a bear hug *v.* to surround and cover completely; to encase
203. the ac_____cy of his compass *n.* the state or degree of being exact or correct; the ability to perform something with proficiency and without mistake
204. hi_____ic accomplishment *adj.* famous or significant in history, or potentially so
205. to_____te ambiguity *v.* to allow something to exist or happen, even if it is disliked or opposed
206. hyd_____on production *n.* an organic compound consisting entirely of hydrogen and carbon
207. es_____al amino acid *adj.* indispensable; fundamental
208. 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
209. develop software more eff_____ly *adv.* in a way that produces maximum output with minimum effort or expense
210. ge___e analyses *n.* the complete set or sequence of genes of a human, animal, plant, or other living things
211. vague no___n *n.* a general idea or understanding of something, particularly an abstract or complex concept; a belief or opinion, often one that is not based on solid evidence or facts

ANSWERS: 201. laboratory, 202. envelop, 203. accuracy, 204. historic, 205. tolerate, 206. hydrocarbon, 207. essential, 208. digital, 209. efficiently, 210. genome, 211. notion

212. en___e information *v.* to convert information into a code or format suitable for storage or transmission
213. diagnosed in _____ly as a tumor *adv.* at the beginning; at first
214. an_____ce candidacy *v.* to make something known or officially inform people about something
215. sh_____n the sentence *v.* to make something shorter in length, duration, or extent; to reduce the length of something; to make something briefer or more concise
216. tra_____nt a heart *v.* to move or transfer something from one place or person to another; to take living tissue or an organ from one person, animal, part of the body, etc. and put it into or onto another
217. me___l paraben *n.* a type of organic compound that is characterized by the presence of a methyl group, which is a single carbon atom attached to three hydrogen atoms, and methyl compounds are commonly used as solvents, fuels, and in the production of a wide range of chemical products
218. pro_____on of civilization *n.* the act or process of changing to the next stage or phase or moving forward
219. an av___e of poplars *n.* a wide road in a town or city, especially with trees or tall buildings on both sides; a line of approach
220. get into a m__s *n.* a state of confusion, dirtiness, or untidiness; (verb) to fail to do something or to make something dirty or untidy

ANSWERS: 212. encode, 213. initially, 214. announce, 215. shorten, 216. transplant, 217. methyl, 218. progression, 219. avenue, 220. mess

221. 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
222. sy_____is of ammonia *n.* the combination of components or elements to form a more complex whole; the creation of something new through combining parts or elements
223. bla_____th shop *n.* a smith who forges and shapes iron with a hammer and anvil
224. in_____et a graph *v.* to explain or assign the meaning of information, actions, etc.
225. de___e a word *v.* to state or explain precisely the nature, scope, or meaning of something
226. euk_____ic genome *n.* organisms whose cell nuclei are surrounded by a nuclear envelope
227. wa_____rk logo *n.* a visible or invisible design or pattern that is embedded into paper or other surfaces and is used to prevent counterfeiting or illegal copying
228. pathogenic ba_____ia *n.* single-celled or noncellular spherical or spiral or rod-shaped organisms that exist in large numbers in the air, water, and soil, and also in living and dead creatures and plants, and are often a cause of disease
229. euk_____ic algae *n.* organisms whose cell nuclei are surrounded by a nuclear envelope
230. art_____al environment *adj.* not natural and made by human beings; not real but produced to resemble something

ANSWERS: 221. chromosome, 222. synthesis, 223. blacksmith, 224. interpret, 225. define, 226. eukaryotic, 227. watermark, 228. bacteria, 229. eukaryotic, 230. artificial

231. there is no other alt_____ve	<i>n.</i> one of two or more available possibilities or choice
232. su_____e you're right	<i>v.</i> to think that something is likely to be actual or possible
233. g__e expression	<i>n.</i> the fundamental unit of heredity and the sequence of nucleotides in DNA that codes for the creation of RNA or protein.
234. di____t information	<i>v.</i> to transform food into absorbable substances; break down
235. co_____al swimming pool	<i>adj.</i> belonging to or used by a group rather than individuals; for common use
236. degree of ac_____cy	<i>n.</i> the state or degree of being exact or correct; the ability to perform something with proficiency and without mistake
237. the price went up sub_____lly	<i>adv.</i> to a great extent or degree
238. a dy_____c market	<i>adj.</i> having a lot of energy, ideas, and enthusiasm, and a strong personality; of or relating to dynamics (= the branch of physics and engineering concerned with the forces that cause motions of bodies)
239. in_____ly anticipated	<i>adv.</i> at the beginning; at first
240. take a qu_____on	<i>n.</i> a group of words taken from a text or speech and repeated by someone other than the original author or speaker
241. eve_____ly succeed	<i>adv.</i> finally, particularly after a long time or a lot of struggle, complications, and so on
242. re_____ry operations	<i>n.</i> a facility that is used to process, purify, and refine raw materials such as oil or metal into a more useful or valuable form

ANSWERS: 231. alternative, 232. suppose, 233. gene, 234. digest, 235. communal, 236. accuracy, 237. substantially, 238. dynamic, 239. initially, 240. quotation, 241. eventually, 242. refinery

243. am__o compound *n.* compounds and functional groups that contain a basic nitrogen atom with a lone pair (NH₂) that combine to make protein
244. st_____re and function of the brain *n.* the way of construction of something and the arrangement of its parts, or a complex thing constructed of many parts
245. combined ox__e *n.* a chemical compound that contains at least one oxygen atom and one other element
246. pr_____le outcome *adj.* likely to happen or likely to be true
247. immune fu_____on *n.* the purpose or use of an object, system, or process; a particular activity or operation that is designed to serve a specific purpose; a mathematical concept that describes a relationship between two sets of values, called the input and output sets; (verb) to operate or work in a specific way, or to perform a particular task or purpose
248. co__n base *n.* a sequence of three nitrogenous bases in a DNA or RNA molecule that specifies a particular amino acid or a start or stop signal in protein synthesis
249. number of different sc_____ios *n.* a description of possible actions or events in the future; a written outline of a play, film, or literary work
250. es_____al commodities of life *adj.* indispensable; fundamental

ANSWERS: 243. amino, 244. structure, 245. oxide, 246. probable, 247. function, 248. codon, 249. scenario, 250. essential

251. v__y according to the age
v. to become different in terms of size, shape, etc.
252. have ex_____ve vocabulary
adj. covering a large area; having a wide range
253. v__y directly with the price
v. to become different in terms of size, shape, etc.
254. sy_____ic fiber
adj. made by combining chemical substances as opposed to being naturally occurring
255. un_____ke an enterprise
v. to do or begin to do something, such as an enterprise or responsibility
256. foreign po___y
n. a set of rules, guidelines, principles, or procedures that govern decision-making or action, often used in the context of business or government; a course of action or plan of action adopted or followed by an organization or individual to achieve a goal or objective
257. fr_____nt use
adj. happening constantly
258. e_r in decision-making
v. to make a mistake or error; to stray from accuracy or correctness; to be mistaken or incorrect
259. as_____le your colleagues
v. to collect in one place as a single group
260. fe_____l regulations
adj. relating to a central government or national authority; refers to government policies, laws, or programs that are implemented at a national level rather than a state or local level

ANSWERS: 251. vary, 252. extensive, 253. vary, 254. synthetic, 255. undertake, 256. policy, 257. frequent, 258. err, 259. assemble, 260. federal

261. the ch_____ry of soil *n.* the branch of the natural sciences dealing with the composition of substances and their properties and reactions
262. de_____p a strategy *v.* to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created
263. sp___l a bit of wine *v.* to cause or allow liquid to run or flow over the edge of its container by accident
264. gov_____nt bureaucracy *n.* the group of people with authority to control a country or state
265. mystical sig_____nce *n.* the importance or value attached to something; the quality of being significant or noteworthy
266. hyd_____on molecules in crude oil *n.* an organic compound consisting entirely of hydrogen and carbon
267. di_____e prevention *n.* a disorder or illness that affects the body or mind, often characterized by specific symptoms or abnormal functioning of organs or systems
268. co___n sequence *n.* a sequence of three nitrogenous bases in a DNA or RNA molecule that specifies a particular amino acid or a start or stop signal in protein synthesis
269. cl_____fy emails into folders *v.* to categorize or group something according to a system or set of criteria; to assign something to a particular class or category based on its characteristics or properties

ANSWERS: 261. chemistry, 262. develop, 263. spill, 264. government, 265. significance, 266. hydrocarbon, 267. disease, 268. codon, 269. classify

270. a ce____ar phone handset *adj.* of or connected with the cells of animals or plants; of or connected with a mobile telephone system that uses several short-range radio stations instead of wires
271. n__b with cold *adj.* unable to feel physical sensation and movement; not showing human feeling or sensitivity
272. res_____on on trade *n.* a limitation or constraint placed on something, or the act of limiting or constraining something
273. tr_____rm an education system *v.* to change in outward structure or looks;
274. tr____h of democracy *n.* a great victory or achievement
275. li_____rm discovery *n.* a living organism, especially one that has a distinct shape, structure, or behavior
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. se___l number *adj.* consisting of or occurring in a series or sequence; relating to or involving a series or sequence of events, stories, or incidents
278. have a whole m__s *n.* a state of confusion, dirtiness, or untidiness; (verb) to fail to do something or to make something dirty or untidy
279. as___n projects *v.* to give a specific job or piece of work to a someone

ANSWERS: 270. cellular, 271. numb, 272. restriction, 273. transform, 274. triumph, 275. life-form, 276. chromosome, 277. serial, 278. mess, 279. assign

280. a minute li_____rm *n.* a living organism, especially one that has a distinct shape, structure, or behavior
281. an_____ce the award winners *v.* to make something known or officially inform people about something
282. a good grounding in mat_____cs *n.* the science dealing with the logic of quantities, shapes, spaces, and arrangement
283. in_____e a lot of paperwork *v.* to include or affect someone or something as a necessary part of something else
284. the qu__t for truth *n.* a long or challenging search for something
285. in_____e a high degree of risk *v.* to include or affect someone or something as a necessary part of something else
286. pain in the ge_____l area *adj.* of or relating to the external and internal reproductive organs
287. c__w a stick of gum *v.* to crush or grind something, especially food, with the teeth and then swallow it
288. su_____d academically *v.* to accomplish or achieve a desired or intended result or goal; to prosper or attain success in a given field or endeavor
289. a pa_____el case *adj.* being everywhere equidistant and not intersecting; of or relating to the simultaneous performance of multiple operations
290. de___d my country *v.* to protect someone or something from attack, criticism, danger, etc.

ANSWERS: 280. life-form, 281. announce, 282. mathematics, 283. involve, 284. quest, 285. involve, 286. genital, 287. chew, 288. succeed, 289. parallel, 290. defend

291. g__f war *n.* a large ocean inlet or deep bay that is partially enclosed by land
292. small ga_____ne engine *n.* a volatile flammable liquid obtained from petroleum, used mainly as a fuel in car engines, etc.
293. go to the workplace by cy__e *n.* an interval during which a recurring sequence of events occurs; a bicycle or motorcycle
294. di___l engine *n.* a type of heavy oil used as fuel; a vehicle or engine that uses diesel fuel
295. en___e data *v.* to convert information into a code or format suitable for storage or transmission
296. syn_____ze molecules *v.* to combine a substance to make a more complex product or compound
297. re_____te a single country *v.* to make something that existed previously happen or appear to exist again
298. se___l killer *adj.* consisting of or occurring in a series or sequence; relating to or involving a series or sequence of events, stories, or incidents
299. a bac_____nd color *n.* the details of a person's social heritage, such as family, vocational or educational experience; past information that is essential to understanding a situation or problem
300. an alt_____ve plan *n.* one of two or more available possibilities or choice

ANSWERS: 291. gulf, 292. gasoline, 293. cycle, 294. diesel, 295. encode, 296. synthesize, 297. recreate, 298. serial, 299. background, 300. alternative

301. government en___y *n.* something that exists independently and has its own identity
302. the st_____re of a machine *n.* the way of construction of something and the arrangement of its parts, or a complex thing constructed of many parts
303. de___e this modification *v.* to remove something, especially that has been written; to wipe out digitally or magnetically recorded information
304. professor of ch_____ry *n.* the branch of the natural sciences dealing with the composition of substances and their properties and reactions
305. pr_____le cause of a fire *adj.* likely to happen or likely to be true
306. et___s of journalism *n.* a branch of philosophy that considers what is morally right and wrong conduct; a set of beliefs about what is morally right and wrong
307. eve_____ly become obsolete *adv.* finally, particularly after a long time or a lot of struggle, complications, and so on
308. am__o acid *n.* compounds and functional groups that contain a basic nitrogen atom with a lone pair (NH₂) that combine to make protein
309. western phi_____hy *n.* the study of general and fundamental questions, such as those about existence, reason, knowledge, values, mind
310. al__e biofuel *n.* A simple plant that grows in or near water and lacks typical leaves and roots

ANSWERS: 301. entity, 302. structure, 303. delete, 304. chemistry, 305. probable, 306. ethics, 307. eventually, 308. amino, 309. philosophy, 310. algae

311. aerobic or _____sm *n.* a tiny living thing
312. ann_____ent date *n.* a public statement or declaration, often made in writing or through the media, that conveys important information or news
313. DNA-containing bac_____age *n.* (also "phage") a virus that infects and destroys bacteria
314. de____d against a threat *v.* to protect someone or something from attack, criticism, danger, etc.
315. me____l alcohol *n.* a type of organic compound that is characterized by the presence of a methyl group, which is a single carbon atom attached to three hydrogen atoms, and methyl compounds are commonly used as solvents, fuels, and in the production of a wide range of chemical products
316. sh_____n the deadline *v.* to make something shorter in length, duration, or extent; to reduce the length of something; to make something briefer or more concise
317. g__e cloning *n.* the fundamental unit of heredity and the sequence of nucleotides in DNA that codes for the creation of RNA or protein.
318. art_____al flowers *adj.* not natural and made by human beings; not real but produced to resemble something
319. to____te his disrespectful behavior *v.* to allow something to exist or happen, even if it is disliked or opposed

ANSWERS: 311. organism, 312. announcement, 313. bacteriophage, 314. defend, 315. methyl, 316. shorten, 317. gene, 318. artificial, 319. tolerate

320. ind_____nce ceremony *n.* freedom from another's or others' control or influence
321. pro_____on of disease *n.* the act or process of changing to the next stage or phase or moving forward
322. exp_____nt design *n.* the scientific test conducted to observe what happens and gain new knowledge
323. gi__t trees *adj.* enormous; much bigger or more important than similar items usually are
324. p_i_____ coefficient *n.* the 21st letter of the Greek alphabet, used in mathematics and sciences to represent various concepts such as the golden ratio, magnetic flux, and phase angle
325. in_____et the question *v.* to explain or assign the meaning of information, actions, etc.
326. tra_____nt my family to America *v.* to move or transfer something from one place or person to another; to take living tissue or an organ from one person, animal, part of the body, etc. and put it into or onto another
327. ca_____e a glimpse *v.* to catch a person or an animal and confine them in an area which they cannot escape
328. bre_____ugh discovery *n.* a sudden, dramatic, and important discovery or development that helps to improve a situation or provide an answer to a problem
329. ca_____e customers' hearts *v.* to catch a person or an animal and confine them in an area which they cannot escape

ANSWERS: 320. independence, 321. progression, 322. experiment, 323. giant, 324. phi, 325. interpret, 326. transplant, 327. capture, 328. breakthrough, 329. capture

330. dis_____sh these two things *v.* to notice or understand the difference between two people or things
331. the te_____ue applied to construction *n.* a particular way or art of doing something that needs skill
332. a criminal bac_____nd *n.* the details of a person's social heritage, such as family, vocational or educational experience; past information that is essential to understanding a situation or problem
333. protein sy_____is inhibitor *n.* the combination of components or elements to form a more complex whole; the creation of something new through combining parts or elements
334. in_____te a lawsuit *n.* an organization that has a specific purpose, particularly one dealing with science, education, or a particular profession; (verb) to initiate, introduce, or establish something
335. su_____d beyond expectations *v.* to accomplish or achieve a desired or intended result or goal; to prosper or attain success in a given field or endeavor
336. pu_____te a sentence *v.* to insert punctuation marks (= comma, period, colon, etc.) in the text; to interrupt periodically
337. hem_____ia diagnosis *n.* a genetic disorder in which the ability of the blood to clot is severely reduced, resulting in excessive bleeding and bruising

ANSWERS: 330. distinguish, 331. technique, 332. background, 333. synthesis, 334. institute, 335. succeed, 336. punctuate, 337. hemophilia

338. dy____c person *adj.* having a lot of energy, ideas, and enthusiasm, and a strong personality; of or relating to dynamics (= the branch of physics and engineering concerned with the forces that cause motions of bodies)
339. en____p the whole world *v.* to surround and cover completely; to encase
340. env_____nt affairs *n.* the natural world such as air, water, and land in which humans, animals, and plants live
341. tr_____te the emotion to a movement *v.* to convert or change words into another language
342. as____le a jigsaw puzzle *v.* to collect in one place as a single group
343. an av____e to success *n.* a wide road in a town or city, especially with trees or tall buildings on both sides; a line of approach
344. fu____on properly *n.* the purpose or use of an object, system, or process; a particular activity or operation that is designed to serve a specific purpose; a mathematical concept that describes a relationship between two sets of values, called the input and output sets; (verb) to operate or work in a specific way, or to perform a particular task or purpose
345. as nu____us as the sand *adj.* amounting to a large indefinite number
346. in_____on date *n.* the beginning or start of something; the point in time when something comes into existence

ANSWERS: 338. dynamic, 339. envelop, 340. environment, 341. translate, 342. assemble, 343. avenue, 344. function, 345. numerous, 346. inception

347. political et___s *n.* a branch of philosophy that considers what is morally right and wrong conduct; a set of beliefs about what is morally right and wrong
348. a pr_____nd book *adj.* extremely great; sensed or experienced very strongly; displaying a high level of knowledge or comprehension
349. n__m of action *n.* something that is regarded as usual, typical, or standard
350. his research area of con_____ion *n.* the ability to focus all your time and energy on one thing without thinking about anything else.
351. la___n perspective *n.* a person who is not a professional or expert in a particular field, typically referring to someone who lacks specialized knowledge or training in a specific subject
352. re_____er email *n.* something that serves to jog or refresh one's memory; a prompt or message that helps to recall or remember something
353. an et_____l doctrine *adj.* of or relating to principles about what is right and wrong, or the branch of knowledge dealing with these
354. ability to de___e the differences *v.* to convert something, such as a message or piece of information, from a specific form into one that you can understand
355. ve_____l fin *adj.* relating to or situated on or toward the belly or underside of an animal or organ; opposite of dorsal

ANSWERS: 347. ethics, 348. profound, 349. norm, 350. concentration, 351. layman, 352. reminder, 353. ethical, 354. decode, 355. ventral

356. potential pi____l

n. a hidden or unsuspected danger or difficulty; a trap or snare

ANSWERS: 356. pitfall

Session 3: Fill in the Blanks

1. He accumulated wealth across a _____ spectrum of assets.
adj. very wide; general
2. _____ algorithms can find ways to optimize that humans do not anticipate.
adj. relating to or denoting how living things develop or change from earlier forms
3. _____ must consider this proposal in an unusual situation.
n. a formal meeting of the representatives of different countries, constituent states, organizations, trade unions, political parties, or other groups
4. Trial and error is an _____ part of education.
adj. indispensable; fundamental
5. 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
6. The oil _____ was shut down due to safety concerns after a major accident.
n. a facility that is used to process, purify, and refine raw materials such as oil or metal into a more useful or valuable form
7. In _____ private corporations provide healthcare services.
n. the act or process of adding something to something else; the process of adding numbers
8. _____ elections were held in several European countries.
adj. belonging to or used by a group rather than individuals; for common use

ANSWERS: 1. broad, 2. Evolutionary, 3. Congress, 4. essential, 5. environment, 6. refinery, 7. addition, 8. Communal

9. The research team developed a new diagnostic tool to detect _____ presence in clinical samples rapidly.
- n.* a genus of bacteria that lack a cell wall and can cause respiratory and genital infections in humans and animals
10. The _____ error of this industrial machine is less than one micrometer.
- n.* the act or process of finding something's size, quantity, or degree
11. 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
12. This study _____ four different ways to run a business.
- v.* to notice or understand the difference between two people or things
13. The sticky notes served as helpful _____ of important tasks that needed to be completed.
- n.* something that serves to jog or refresh one's memory; a prompt or message that helps to recall or remember something
14. To advance this discussion, we must _____ "success" rigorously.
- v.* to state or explain precisely the nature, scope, or meaning of something
15. These descriptions are based on a number of _____ assumptions.
- adj.* amounting to a large indefinite number
16. His _____ showed highly positive results.
- n.* the scientific test conducted to observe what happens and gain new knowledge
17. The spaceship began to burn up as it approached the Earth's _____.
- n.* the mass of air that surrounds the Earth; the pervading tone or mood of a place, situation, or creative work

ANSWERS: 9. mycoplasma, 10. measurement, 11. biology, 12. distinguished, 13. reminders, 14. define, 15. numerous, 16. experiments, 17. atmosphere

18. Strikes had also _____ the preceding weeks.

- v.* to insert punctuation marks (= comma, period, colon, etc.) in the text; to interrupt periodically

19. The blood's red coloring comes from iron _____.

- n.* a chemical compound that contains at least one oxygen atom and one other element

20. The _____ side of the fish was beautifully colored.

- adj.* relating to or situated on or toward the belly or underside of an animal or organ; opposite of dorsal

21. _____ the text from Italian into English.

- v.* to convert or change words into another language

22. This factory employs a _____ manufacturing system.

- adj.* of or connected with the cells of animals or plants; of or connected with a mobile telephone system that uses several short-range radio stations instead of wires

23. He has a flair for _____.

- n.* the science dealing with the logic of quantities, shapes, spaces, and arrangement

24. The doctor explained the procedure to me in _____ terms so I could understand it.

- n.* a person who is not a professional or expert in a particular field, typically referring to someone who lacks specialized knowledge or training in a specific subject

ANSWERS: 18. punctuated, 19. oxide, 20. ventral, 21. Translate, 22. cellular, 23. mathematics, 24. layman's

25. The software can _____ and decode encrypted messages.
- v. to convert information into a code or format suitable for storage or transmission
26. _____ prevalent in hospitals are often resistant to antibiotics.
- n. single-celled or noncellular spherical or spiral or rod-shaped organisms that exist in large numbers in the air, water, and soil, and also in living and dead creatures and plants, and are often a cause of disease
27. You must _____ the software with a 16-digit key before you can use it.
- v. make something start working, more active or dynamic
28. The president prepared several possible _____ for an enemy attack.
- n. a description of possible actions or events in the future; a written outline of a play, film, or literary work
29. The president began to _____ an army.
- v. to collect in one place as a single group
30. He was served with a _____ of eviction, giving him the notice to vacate the property.
- n. a written legal order or command
31. 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.)
32. The _____ of Mexico is a body of water in the southern United States.
- n. a large ocean inlet or deep bay that is partially enclosed by land

ANSWERS: 25. encode, 26. Bacteria, 27. activate, 28. scenarios, 29. assemble, 30. writ, 31. vaccine, 32. Gulf

33. Young people in this country should _____ military duties.

v. to do or begin to do something, such as an enterprise or responsibility

34. He walked a road _____ to the railroad.

adj. being everywhere equidistant and not intersecting; of or relating to the simultaneous performance of multiple operations

35. The brain is an incredibly complex organ that controls the body's _____.

n. the purpose or use of an object, system, or process; a particular activity or operation that is designed to serve a specific purpose; a mathematical concept that describes a relationship between two sets of values, called the input and output sets; (verb) to operate or work in a specific way, or to perform a particular task or purpose

36. 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

37. That adventurer traveled in _____ of buried treasure.

n. a long or challenging search for something

38. The new software is not _____ with the old operating system, causing compatibility issues and errors.

adj. capable of coexisting or working together without conflict or inconsistency; harmonious or well-matched

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

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

40. It seems _____ that he has forgotten our scheduled meeting.

adj. likely to happen or likely to be true

ANSWERS: 33. undertake, 34. parallel, 35. function, 36. genome, 37. quest, 38. compatible, 39. announced, 40. probable

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

adv. without restriction or limitation; completely or utterly

42. The painting is _____ and there is no other like it.

adj. being the only one of its kind; unlike anything else

43. 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

44. The _____ declared its independence and became a republic.

n. a country or an area that is governed by a more powerful country that is often far away

45. I need to _____ these documents for the upcoming audit.

v. to categorize or group something according to a system or set of criteria; to assign something to a particular class or category based on its characteristics or properties

46. A defective _____ is responsible for the disease.

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

47. I hope to _____ in my career and live a happy life.

v. to accomplish or achieve a desired or intended result or goal; to prosper or attain success in a given field or endeavor

48. He was determined to _____ everything.

v. to cause or allow liquid to run or flow over the edge of its container by accident

ANSWERS: 41. absolutely, 42. unique, 43. process, 44. colony, 45. classify, 46. gene, 47. succeed, 48. spill

49. Scientists are searching for signs of _____ on other planets.

n. a living organism, especially one that has a distinct shape, structure, or behavior

50. The _____ jets gradually dominate the world's airlines.

adj. enormous; much bigger or more important than similar items usually are

51. The _____ supplies were quickly distributed among the survivors of the natural disaster.

adj. left over or still present after other parts have been used, removed, or destroyed; existing or persisting in a particular state or condition

52. The _____ for the cake is passed down from generation to generation in her family.

n. a set of instructions for preparing a dish, including the ingredients and the method of cooking

53. The software could _____ the encrypted data and reveal the hidden information.

v. to convert something, such as a message or piece of information, from a specific form into one that you can understand

54. We can resolve support requests quickly and _____ by utilization of AI.

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

55. The golfer recorded an _____ distance.

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

56. What do you _____ the culprit's motive was?

v. to think that something is likely to be actual or possible

ANSWERS: 49. life-form, 50. giant, 51. remaining, 52. recipe, 53. decode, 54. efficiently, 55. amazing, 56. suppose

57. I was able to _____ the moment on film.

- v.* to catch a person or an animal and confine them in an area which they cannot escape

58. This evidence will form the _____ for our discussion.

- n.* the most important facts, ideas, or events from which something is developed; the way how things are organized or arranged

59. I want to _____ my haircut before the summer heat arrives.

- v.* to make something shorter in length, duration, or extent; to reduce the length of something; to make something briefer or more concise

60. The _____ on travel during the pandemic made it difficult for people to see their loved ones.

- n.* a limitation or constraint placed on something, or the act of limiting or constraining something

61. He is familiar with _____ and biology.

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

62. This region has many _____ offering higher education.

- n.* an organization that has a specific purpose, particularly one dealing with science, education, or a particular profession; (verb) to initiate, introduce, or establish something

63. Doctors are gradually coming around to the idea of using _____ medicines.

- n.* one of two or more available possibilities or choice

ANSWERS: 57. capture, 58. basis, 59. shorten, 60. restriction, 61. chemistry, 62. institutes, 63. alternative

64. They carefully nurture a _____ fungus used to produce sake.

n. a type of fungus that is used in making alcoholic drinks such as beer and wine or to make bread rise

65. She is a major _____ to the local food bank, volunteering every week.

n. a person or thing that adds to the achievement, production, or growth of something (such as a project, organization, or publication); a donor or benefactor

66. This train departed later than _____ scheduled.

adv. at the beginning; at first

67. A technique called deep learning has led to _____ in AI.

n. a sudden, dramatic, and important discovery or development that helps to improve a situation or provide an answer to a problem

68. The new prime minister has vowed to take measures against the _____ economic crisis.

adj. continuing to exist or develop, or currently happening

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

adj. relating to or connected with chemistry;

70. Advocates for legal reform hear less harsh words from their _____.

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

71. My mother's illness had a _____ impact on us all.

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

ANSWERS: 64. yeast, 65. contributor, 66. initially, 67. breakthroughs, 68. ongoing, 69. chemical, 70. critics, 71. profound

72. The company has made great strides in its _____ toward sustainability.
n. the act or process of changing to the next stage or phase or moving forward
73. He made a frightful _____ in his room.
n. a state of confusion, dirtiness, or untidiness; (verb) to fail to do something or to make something dirty or untidy
74. International law allows each nation to _____ itself when its rights and interests are illegally violated.
v. to protect someone or something from attack, criticism, danger, etc.
75. She _____ the atmosphere of the pre-war age with her stage setting.
v. to make something that existed previously happen or appear to exist again
76. The federal _____ is planning to increase taxes for the next fiscal year.
n. the group of people with authority to control a country or state
77. The Chinese people have accomplished several _____ feats.
adj. famous or significant in history, or potentially so
78. Please _____ a different color to each other kind of item.
v. to give a specific job or piece of work to a someone
79. A diversified plant species generally enhances beneficial _____ populations.
n. a tiny living thing
80. He discovered unique _____ for photochemical reactions.
n. a part of a machine, or a set of parts that performs a task; a natural or established process that occurs during a specific situation or reaction

ANSWERS: 72. progression, 73. mess, 74. defend, 75. recreated, 76. government, 77. historic, 78. assign, 79. organism, 80. mechanisms

81. The official transcript contains _____ academic records.

adj. correct and exact in all details

82. The organizational _____ of start-ups is often flat and straightforward.

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

83. To assure _____ I recommend investing in high-quality test kits.

n. the state or degree of being exact or correct; the ability to perform something with proficiency and without mistake

84. He strove to memorize the Hebrew _____.

n. a character set that includes letters and is used to write a language

85. The team's _____ in the championship resulted from their hard work and dedication.

n. a great victory or achievement

86. The proportion of female engineers has _____ increased.

adv. to a great extent or degree

87. The vegetation here is almost wholly _____.

adj. connecting with or describing someone's birth country or place of birth, or someone born in a specific country or place

88. The company made an _____ about its new product at a press conference.

n. a public statement or declaration, often made in writing or through the media, that conveys important information or news

ANSWERS: 81. accurate, 82. structure, 83. accuracy, 84. alphabet, 85. triumph, 86. substantially, 87. native, 88. announcement

89. The doctor diagnosed him with a rare _____ that had no known cure.
n. a disorder or illness that affects the body or mind, often characterized by specific symptoms or abnormal functioning of organs or systems
90. The fog _____ the city, making it difficult to see.
v. to surround and cover completely; to encase
91. Animal protection groups call for an end to animal testing in a _____.
n. a workplace for doing scientific research or teaching science; a lab
92. A deficiency in the _____ can lead to a medical condition.
n. a substance produced by a living organism that acts as a catalyst to bring about a specific biochemical reaction
93. Nearly all tractors operate on _____ fuel.
n. a type of heavy oil used as fuel; a vehicle or engine that uses diesel fuel
94. The _____ intelligence system has revolutionized the way we live and work.
adj. not natural and made by human beings; not real but produced to resemble something
95. The student's _____ in their writing abilities caused them not to bother to proofread their essay, resulting in a poor grades.
n. excessive trust or faith in one's abilities, judgments, or decisions, often leading to mistaken assumptions or risky behavior
96. Dictators of the past often had the erroneous idea of a pure racial _____.
n. a force or pressure that stretches or pulls something, sometimes causing damage; (biology) a group of organisms within a species that differ in trivial ways from similar groups

ANSWERS: 89. disease, 90. enveloped, 91. laboratory, 92. enzyme, 93. diesel, 94. artificial, 95. overconfidence, 96. strain

97. The _____ of his discovery cannot be overstated.
- n.* the importance or value attached to something; the quality of being significant or noteworthy
98. I had to _____ the code several times before it would run correctly.
- v.* to remove errors or problems from a system or program, often through troubleshooting or testing
99. This company was granted a patent for its _____ resin manufacturing process.
- n.* compounds and functional groups that contain a basic nitrogen atom with a lone pair (NH₂) that combine to make protein
100. The spider can _____ multiple different silk proteins.
- v.* to combine a substance to make a more complex product or compound
101. I can't _____ spicy food, and it always gives me heartburn
- v.* to allow something to exist or happen, even if it is disliked or opposed
102. The _____ enzyme is important for DNA replication and repair.
- n.* an enzyme that breaks down nucleic acids, such as DNA and RNA, into smaller fragments by breaking the bonds between nucleotides
103. 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
104. He did not want to _____ in his judgment, so he double-checked all the facts before making a decision.
- v.* to make a mistake or error; to stray from accuracy or correctness; to be mistaken or incorrect

ANSWERS: 97. significance, 98. debug, 99. amino, 100. synthesize, 101. tolerate, 102. nuclease, 103. planet, 104. err

105. Burning _____ releases water vapor and carbon dioxide.
n. an organic compound consisting entirely of hydrogen and carbon
106. About half of all asthma attacks are thought to be caused by _____ infection.
n. the most common viral infectious agent in humans and is the predominant cause of the common cold
107. Mitochondria exist in every _____ cell.
n. organisms whose cell nuclei are surrounded by a nuclear envelope
108. 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
109. The chemical _____ of the new drug was a breakthrough in medical research.
n. the combination of components or elements to form a more complex whole; the creation of something new through combining parts or elements
110. 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
111. We need to _____ the next steps for the project during our meeting tomorrow.
v. to talk about or examine in detail through conversation or debate; to exchange ideas, opinions, or information on a particular topic
112. 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

ANSWERS: 105. hydrocarbons, 106. rhinovirus, 107. eukaryotic, 108. virus, 109. synthesis, 110. genetic, 111. discuss, 112. chromosomes

113. During pregnancy, the stomach generates less _____ than usual.
- n.* sour; water-soluble chemicals with a sour flavor; any of a variety of generally liquid compounds capable of reacting with and occasionally dissolving other materials
114. _____ diamonds play an essential role as machine tool blades.
- adj.* made by combining chemical substances as opposed to being naturally occurring
115. When performing an organ transplant, it is necessary to test for compatibility between the donor and _____.
- n.* a person who receives something
116. This device can more accurately detect _____ pathogens.
- adj.* relating to or caused by a virus
117. The experiment was _____ several times to ensure accuracy.
- v.* to make an exact copy of something; to repeat a process or experiment to confirm the results
118. The _____ of time travel has long fascinated scientists and fiction writers alike.
- n.* a general idea or understanding of something, particularly an abstract or complex concept; a belief or opinion, often one that is not based on solid evidence or facts
119. They explored every _____ they could think of.
- n.* a wide road in a town or city, especially with trees or tall buildings on both sides; a line of approach
120. The study of Escherichia _____ has led to important advancements in areas such as antibiotic resistance, gut microbiome, and synthetic biology.
- n.* a bacterium of the genus Escherichia that is commonly found in the human gut and is used as a model organism in molecular biology and biochemistry

ANSWERS: 113. acid, 114. Synthetic, 115. recipient, 116. viral, 117. replicated, 118. notion, 119. avenue, 120. coli

121. The _____ shaped a horseshoe on his anvil.

n. a smith who forges and shapes iron with a hammer and anvil

122. The _____ scarcity most severely impacted the manufacturing sector

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

123. Luxury cars often require high-octane _____ as fuel.

n. a volatile flammable liquid obtained from petroleum, used mainly as a fuel in car engines, etc.

124. The _____ on the document ensured that it could not be forged or duplicated without permission.

n. a visible or invisible design or pattern that is embedded into paper or other surfaces and is used to prevent counterfeiting or illegal copying

125. We strive not to _____ the environment when demolishing petroleum plants.

v. to make something impure, unclean, or poisonous by contact or mixture

126. Ethics is a branch of _____.

n. the study of general and fundamental questions, such as those about existence, reason, knowledge, values, mind

127. 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

128. Different people might _____ this news differently.

v. to explain or assign the meaning of information, actions, etc.

ANSWERS: 121. blacksmith, 122. fuel, 123. gasoline, 124. watermark, 125. contaminate, 126. philosophy, 127. digital, 128. interpret

129. A company is a distinct legal _____.
- n.* something that exists independently and has its own identity
130. One of the biggest _____ of starting a new business is underestimating the costs.
- n.* a hidden or unsuspected danger or difficulty; a trap or snare
131. This scripture provides the code of _____ for the religion.
- n.* a branch of philosophy that considers what is morally right and wrong conduct; a set of beliefs about what is morally right and wrong
132. His heartaches are less _____ now.
- adj.* happening constantly
133. Scientists are studying the use of _____ to combat bacterial infections.
- n.* (also "phage") a virus that infects and destroys bacteria
134. The archaeologist carefully pieced together the tiny _____ of pottery found at the dig site.
- n.* a small piece or part broken off or detached
135. The incident attracted _____ media coverage throughout the world.
- adj.* covering a large area; having a wide range
136. Jockey's superior _____ brought him victory.
- n.* a particular way or art of doing something that needs skill
137. My left arm became _____.
- adj.* unable to feel physical sensation and movement; not showing human feeling or sensitivity

ANSWERS: 129. entity, 130. pitfalls, 131. ethics, 132. frequent, 133. bacteriophages, 134. fragments, 135. extensive, 136. technique, 137. numb

138. He is like an exact _____ of his brother.

- n.* a plant or animal whose genetic information is identical to that of a parent organism from which it was created; an unauthorized copy or imitation

139. My dog loves to _____ on bones.

- v.* to crush or grind something, especially food, with the teeth and then swallow it

140. This section explains a central _____ of economics.

- n.* one of the fundamental ideas or beliefs upon which a theory or broader group of views is founded

141. 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

142. My father's death _____ my life completely.

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

143. The systems we have developed has accepted as industry _____.

- n.* something that is regarded as usual, typical, or standard

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

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

145. There is nothing more valuable than _____ and freedom.

- n.* freedom from another's or others' control or influence

146. The company specializes in both hardware and _____.

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

ANSWERS: 138. clone, 139. chew, 140. tenet, 141. quotation, 142. transformed, 143. norms, 144. decide, 145. independence, 146. software

147. The plant biology research team identified the specific types of _____ groups present in the plant's DNA.

- n.* a type of organic compound that is characterized by the presence of a methyl group, which is a single carbon atom attached to three hydrogen atoms, and methyl compounds are commonly used as solvents, fuels, and in the production of a wide range of chemical products

148. He inherited _____ from his mother and suffers from frequent bleeding.

- n.* a genetic disorder in which the ability of the blood to clot is severely reduced, resulting in excessive bleeding and bruising

149. _____ has jammed the inlet to the water turbine.

- n.* A simple plant that grows in or near water and lacks typical leaves and roots

150. The mathematician explained the significance of ____ in the sequence of Fibonacci numbers.

- n.* the 21st letter of the Greek alphabet, used in mathematics and sciences to represent various concepts such as the golden ratio, magnetic flux, and phase angle

151. This exam requires excellent _____ to pass.

- n.* the ability to focus all your time and energy on one thing without thinking about anything else.

152. Highlight the sentences that you want to _____.

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

153. Most babies can readily _____ a wide variety of foods.

- v.* to transform food into absorbable substances; break down

ANSWERS: 147. methyl, 148. hemophilia, 149. Algae, 150. phi, 151. concentration, 152. delete, 153. digest

154. The _____ government announced new regulations to protect the environment.
- adj.* relating to a central government or national authority; refers to government policies, laws, or programs that are implemented at a national level rather than a state or local level
155. The _____ organs of the human body are necessary for reproduction.
- adj.* of or relating to the external and internal reproductive organs
156. We do move forward with those tasks in _____ next week.
- n.* a series of related events, actions, numbers, etc., which have a particular order
157. The company's hiring criteria emphasize personality, not a person's _____.
- n.* the details of a person's social heritage, such as family, vocational or educational experience; past information that is essential to understanding a situation or problem
158. He tried to _____ the seedling into a larger pot.
- v.* to move or transfer something from one place or person to another; to take living tissue or an organ from one person, animal, part of the body, etc. and put it into or onto another
159. The company is launching a new line of _____ products aimed at young adults.
- adj.* consisting of or occurring in a series or sequence; relating to or involving a series or sequence of events, stories, or incidents
160. The _____ of the water supply led to widespread illness in the community.
- n.* the presence of something harmful or unwanted in a substance, material, or environment; the act of introducing harmful substances or materials into an environment or area

ANSWERS: 154. federal, 155. genital, 156. sequence, 157. background, 158. transplant, 159. serial, 160. contamination

161. The president must have the highest _____ standards.

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

162. She felt _____ after finishing her book.

adj. having completed a task or achieved a goal successfully; skilled or proficient at something

163. The sprinter has a _____ way of running.

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

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

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

165. The corporation _____ dominated the entire tobacco business.

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

166. We can _____ this possibility from those consumptions.

v. to remove or get rid of someone or something

167. Eyeless fish _____ in dark caves.

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

ANSWERS: 161. ethical, 162. accomplished, 163. dynamic, 164. policy, 165. eventually, 166. eliminate, 167. evolved

168. 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
169. The idea for the company was formed at its _____ and has since grown into a successful business.
- n.* the beginning or start of something; the point in time when something comes into existence
170. The research institute allocated a lot of money to study the cause and prevention of _____.
- n.* (formal for flu) a highly contagious viral disease that causes fever, severe aching, and catarrh and often occurs in epidemics
171. We must _____ a new system to streamline our workflow and increase efficiency.
- v.* to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created
172. Maximum heart rates _____ a lot for each individual.
- v.* to become different in terms of size, shape, etc.
173. The shape of the DNA _____ is a double helix.
- n.* a group of two or more atoms held together by attractive forces known as chemical bonds
174. The food chain causes a material _____.
- n.* an interval during which a recurring sequence of events occurs; a bicycle or motorcycle

ANSWERS: 168. protein, 169. inception, 170. influenza, 171. develop, 172. vary, 173. molecule, 174. cycle

175. 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

176. Scientific knowledge will _____ significantly with the power of AI.

- v.* to go or move forward; to develop in a positive way

177. Scientists have found that _____ usage can vary among different species and even between different tissues within the same organism.

- n.* a sequence of three nitrogenous bases in a DNA or RNA molecule that specifies a particular amino acid or a start or stop signal in protein synthesis

178. The investigation _____ several government agencies and is expected to take several months.

- v.* to include or affect someone or something as a necessary part of something else

ANSWERS: 175. carbon, 176. advance, 177. codon, 178. involves