

Englist.me



Vocabulary Builder Reference from...

Emily Leproust: How synthetic biology can improve our health, food and materials | TED Talk

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

All Words

IMPORTANT

This material is a commentary and does not contain any copyrighted material of the reference source. We strongly recommend accessing/buying the reference source at the same time.

Session 1: Word List

constant

adj. happening repeatedly or all the time

synonym: ceaseless, stable, unchanging

(1) a **constant** wind, (2) a **constant** temperature

Constant dropping wears away the stone.

balance

n. a condition in which everything has the same weight or force; something left after other parts have been taken away

synonym: equilibrium, counterpoise, remainder

(1) the **balance** of power, (2) asset on the company's **balance** sheet

Try to keep a **balance** between work and off.

adapt

v. to make fit for or change to suit a new purpose or environment

synonym: adjust, acclimate, accustom

(1) **adapt** fully to the environment, (2) **adapt** as needed

I advised him to **adapt** to his new surroundings.

react

v. to take action in response to something

synonym: respond, reply, oppose

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

thinking

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

presence

n. the fact or state that someone or something exists, occurs, or is present

synonym : existence, actuality, fact

(1) the evidence of the **presence**, (2) his majestic **presence**

The path to a solid online **presence** necessitates a high technical ability.

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.

sustainable

adj. able to continue or be continued for a long time

synonym : continuable, enduring, tolerable

(1) **sustainable** alternative fuel, (2) principles of **sustainable** development

The government should do more to support environmentally **sustainable** agriculture.

abandon

v. to leave a place, thing, or person with no intention of returning; (noun) a feeling of extreme emotional intensity

synonym : relinquish, leave behind, disregard

(1) **abandon** a friend, (2) **abandon** the practice

The castle was **abandoned** several years later.

harness

v. to control and exploit the power of something, especially natural resources that produce energy; (noun) a set of narrow pieces of leather and metal that are used to control or hold in place a person, animal, or object

synonym: rein in, control, (noun) belt

(1) **harness** a horse to a carriage, (2) put a **harness** on my pet

People have been exploring ways to **harness** natural forces and resources since ancient times.

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.

reconcile

v. to find a way of dealing with two or more ideas, needs, etc. that are opposed to each other to agree and coexist

synonym: harmonize, moderate, conciliate

(1) **reconcile** these differences, (2) **reconcile** a dispute

Sometimes it is challenging to **reconcile** science and religion.

creature

n. a living being, especially an animal

synonym: being, animal, organism

(1) **creature** of habit, (2) artificial **creature**

The deep sea **creature** was unlike anything the scientists had ever seen before.

comfort

n. a state of physical ease and freedom from pain or constraint

synonym: ease, solace, coziness

(1) words of **comfort**, (2) **comfort** level

He found **comfort** in the warm embrace of his loved ones.

recycle

v. to sort and collect things to process them and produce valuable materials that can be used again

synonym: reclaim, reuse, reprocess

(1) **recycle** the cardboard boxes, (2) **recycle** milk packaging into new paper

We largely **recycle** the circuit board of cell phones because

they contain a lot of valuable metals.

exclusive

adj. not divided or shared with others

synonym : sole, deluxe, limited

(1) **exclusive** authority, (2) **exclusive** clubs

The condo offers **exclusive** access to the beach.

rely

v. to require a specific thing or the assistance and support of someone or something to continue, run properly, or succeed.

synonym : depend, count, lean

(1) **rely** on convenience stores, (2) **rely** entirely on him

Babies heavily **rely** on others for food.

individual

n. a single person or thing, as distinct from a group

synonym : person, being, self

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

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

rethink

v. to consider again a plan, idea, etc., especially to change it

synonym : reexplore, review, reconsider

(1) **rethink** a marketing plan, (2) **rethink** the role of the manager

We have to **rethink** our company's product lineup for further growth.

modern

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

synonym : contemporary, stylish, current

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

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

environmentalist

n. a person who is concerned with and advocates for the protection of the natural environment

synonym : conservationist

(1) dedicated **environmentalist**, (2) an **environmentalist** political party

The **environmentalist** lobby changed the mindset of many conservative politicians.

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**.

integrate

v. to combine one thing with another so that they form a whole or work together; to accept equal participation for members of all races and ethnic groups

synonym: mix, merge, combine

(1) **integrate** into the existing system, (2) **integrate** both businesses

He found that it is difficult to **integrate** socially.

economy

n. the system by which a country or region produces, manages, and distributes goods and services, including the money and finances involved in these activities; (of an airline) the lowest-priced, most basic option for seating in commercial travel

synonym: finance, trade, business

(1) **economy** of scale, (2) **economy** class

The **economy** of the country is struggling due to the recent political instability.

thrive

v. to grow vigorously; to make steady progress

synonym: bloom, flourish, prosper

(1) **thrive** in a society, (2) **thrive** on pressure

Without investment, a business cannot **thrive**.

recognize

v. to acknowledge or realize something or someone; to identify, remember, or become aware of something that

was previously known or encountered

synonym : acknowledge, identify, admit

(1) **recognize** talent, (2) **recognize** achievement

It's important to **recognize** your strengths and weaknesses.

individually

adv. separately or apart from others

synonym : separately, one by one, independently

(1) answer questions **individually**, (2) **individually**

designed product

Each department has done its product costing **individually**.

innovation

n. the creation of a new device or process resulting from study and experimentation

synonym : invention, initiation, creation

(1) **innovation** leader, (2) cutting-edge **innovation**

The vegetarian burger was an **innovation** that quickly spread to the United Kingdom.

specifically

adv. only associated with or meant for one thing

synonym : especially, particularly, notably

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

American customers

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

harmonious

adj. characterized by harmony or agreement; free from conflict or disagreement; pleasing or soothing in sound or tone

synonym : concordant, consistent, melodious

(1) **harmonious** relationship, (2) **harmonious** blend

The painting's **harmonious** composition and balance of colors made it a masterpiece.

coexist

v. to live or exist together at the same time in the same place

synonym : cohabit, accompany, synchronize

(1) **coexist** with nature, (2) **coexist** with diversity

The different species can **coexist** in the same ecosystem by filling different niches and using different resources.

improve

v. to make or become better

synonym: enhance, ameliorate, enrich

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

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

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.

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.

oxymoron

n. a figure of speech that combines contradictory terms, such as "jumbo shrimp" or "deafening silence"

synonym: contradiction in terms, paradox, self-contradiction

(1) **oxymoron** phrase, (2) literary **oxymoron**

"Awfully good" is an **oxymoron** that can be used to describe something that's both bad and good simultaneously.

imply

v. to indicate the truth or existence of something without referring to it

synonym: hint, indicate, denote

(1) **imply** a strong correlation, (2) **imply** the presence of alien

The salespeople speak in technical terms to **imply** that they are more knowledgeable than the customer.

engineer

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

synonym: architect, creator, builder

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

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

core

n. the most essential or fundamental part of something

synonym: center, basis, heart

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

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

component

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

synonym: element, part, factor

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

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

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.

instruction

n. detailed direction, order, etc., on how to do or use something

synonym: education, direction, guidance

(1) individual **instruction**, (2) follow his **instructions**

They needed further **instruction** to perform their duties efficiently.

microbe

n. a tiny living thing that can only be seen with a microscope and that may cause disease

synonym: germ, microorganism, bacterium

(1) pathogenic **microbe**, (2) **microbes** sterilizer

Microbes thrive on the surface of the human skin.

bacteria

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

synonym: microorganism, microbe

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

Bacteria prevalent in hospitals are often resistant to antibiotics.

fungus

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

synonym: mold, mildew, yeast

(1) **fungus** infection, (2) symbiotic **fungus**

Certain types of **fungus** can be toxic to humans, causing severe illness if ingested.

embrace

v. to accept something willingly and enthusiastically;
(noun) the act of clasping another person in the arms as in greeting or affection

synonym: grasp, hold tightly, accept

(1) **embrace** an opportunity, (2) a warm **embrace**

The woods **embrace** the house.

achieve

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

synonym: accomplish, attain, reach

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

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

millennium

n. a span of 1000 years, or the 1000th anniversary (plural: millennia)

(1) past **millennium**, (2) **millennium** bottle of wine

Our world is in the third **millennium**.

ancestor

n. a person from whom one is descended; a forefather
synonym: forebear, forefather, progenitor

(1) **ancestor** language, (2) earliest human **ancestor**

My remote **ancestor** immigrated to the United States from Ireland in the 1800s.

pursue

v. to do something or attempt to attain something over time; to follow or seek someone or something, especially in trying to catch them

synonym: seek, hunt, chase

(1) **pursue** a goal, (2) **pursue** freedoms

She intends to **pursue** a political career.

instance

n. a particular example or single occurrence of something
synonym: example, sample, illustration

(1) for **instance**, (2) notable **instance**

These articles cite five **instances** of climate change.

improvisation

n. the act of making something up on the spot or creating or performing something without preparation

synonym: spontaneity, ad-lib, extemporization

(1) **improvisation** on stage, (2) jazz **improvisation**

He created a beautiful piece of music using only **improvisation**.

cow

n. a domesticated mammal with characteristic features such as a hump, large udders, and curved horns that is raised for its milk or meat

synonym: bovine, cattle, kine

(1) **cow** herd, (2) dairy **cow**

The farmer milked the **cows** every morning before breakfast.

teosinte

n. a wild grass of Mexico and Central America, from which maize or corn is believed to have been domesticated

(1) **teosinte** genome, (2) **teosinte** plant

Native people have been cultivating **teosinte** for food for

thousands of years.

edible

adj. fit or safe to be eaten; able to be consumed as food

synonym : esculent, comestible, digestible

(1) non- **edible** ingredients, (2) **edible** vegetables

I made sure to pick only **edible** mushrooms for our dinner.

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.

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**.

consequence

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

synonym : result, impact, outcome

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

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

technological

adj. based on scientific and industrial progress

synonym : specialized, technical

(1) **technological** advancement, (2) **technological** policy

Technological advances have disrupted many industries.

know-how

n. practical knowledge, skills, or experience in a particular field or area, often acquired through personal

experience or training

synonym : expertise, skill, knowledge

(1) **know-how** transfer, (2) share **know-how**

Her culinary **know-how** helped her create an impressive menu for the party.

revolution

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

synonym : coup, innovation, rebellion

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

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

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**.

recombinant

adj. relating to a process in which DNA sequences from different sources are combined or rearranged to create new genetic material; an organism or gene that results from this process

synonym : recombined, hybrid, modified

(1) **recombinant** technology, (2) **recombinant** DNA

The vaccine was developed using a **recombinant** virus to stimulate an immune response.

inject

v. to put a liquid such as a drug or other substance into a person's or an animal's body using a needle and syringe (= small tube)

synonym : shoot, infiltrate, insinuate

(1) **inject** under the skin, (2) **inject** a personal opinion into a debate

Let's try to **inject** a bit of enthusiasm into your performance.

insulin

n. a hormone produced in the pancreas that controls the amount of sugar in the blood, or a similar artificial substance used for the treatment of diabetes

(1) daily **insulin** dose, (2) development of **insulin** resistance

He had an **insulin** shock after drinking large quantities of fruit juices.

alleviate

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

synonym: ease, relieve, lessen

(1) **alleviate** anxiety, (2) **alleviate** stress

Taking ibuprofen can **alleviate** the pain from a headache.

diabetes

n. a medical condition in which the body cannot produce enough insulin to control the glucose levels in the blood

(1) juvenile **diabetes**, (2) **diabetes** patient

My father was tested for **diabetes**.

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.

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.

extract

n. a short passage taken from a book, piece of music, etc.; a substance obtained from something through a specific process; (verb) to obtain from something or to remove

something by effort or force

synonym: excerpt, quote, distillation

(1) a brief **extract** from the book, (2) botanical **extract**

Anesthetize the gum before **extracting** the teeth.

pancreas

n. a glandular organ in the digestive system that produces several important hormones, including insulin and glucagon, as well as digestive enzymes that help break down food in the small intestine

synonym: gland, organ, islet

(1) **pancreas** inflammation, (2) **pancreas** function

The endocrine function of the **pancreas** involves the secretion of hormones such as insulin.

massive

adj. enormous amount; very heavy and solid

synonym: enormous, giant, immense

(1) **massive** amounts, (2) **massive** stars

The recent economic downturn has resulted in **massive** layoffs.

fraction

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

synonym: piece, part, fragment

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

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

pharmacy

n. a place where medicines are prepared and dispensed; a drugstore or chemist's

synonym: drugstore, chemist's, apothecary

(1) **pharmacy** chain, (2) online **pharmacy**

I need to go to the hospital **pharmacy** to pick up my prescription.

genetics

n. the branch of biology that studies genes, genetic variation, and heredity in organisms

(1) the science of **genetics**, (2) **genetics** discrimination
He is a specialist in the **genetics** of aging.

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.

mosquito

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

synonym: insect, bug, flea

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

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

malaria

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

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

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

dengue

n. a viral disease transmitted by mosquitoes, characterized by fever, severe joint and muscle pain, and a rash

synonym: breakbone fever, infectious tropical disease

(1) **dengue** mosquito, (2) **dengue** outbreak

Many people in this region have contracted **dengue** fever from mosquito bites.

wipe

v. to clean or dry something by rubbing with a piece of cloth or paper or one's hand and removing dirt, food, or liquid

synonym: clean, brush, swab

(1) **Wipe** off dirt, (2) **wipe** with water

Please **wipe** your sweat with this towel.

defective

adj. having a flaw or fault that prevents proper functioning or usability; broken or imperfect in some way

synonym : faulty, flawed, imperfect

(1) **defective** gene, (2) **defective** equipment

The **defective** product was promptly recalled for safety reasons.

inherit

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

synonym : obtain, gain, acquire

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

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

severe

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

synonym : harsh, relentless, powerful

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

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

combine

v. to join or merge to form a single thing or group

synonym : coalesce, cohere, blend

(1) **combine** chemically with another substance,

(2) **combine** augmented reality

Hydrogen and oxygen **combine** to form water.

immunodeficiency

n. a condition in which the immune system is not functioning properly, resulting in a decreased ability to fight off infections and diseases

synonym : immunosuppression

(1) B-cell **immunodeficiency**, (2) **immunodeficiency** virus

HIV is an example of an **immunodeficiency** disease.

bubble

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

synonym : blob, balloon, mania

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

Many people worry that the current real estate market is a

bubble that could burst soon.

syndrome

n. a group of signs and symptoms that occur together and are characteristic of a particular condition or disorder

synonym: disorder, condition, complication

(1) **syndrome** of dementia, (2) acute **syndrome**

The patient was diagnosed with a rare genetic **syndrome**.

sickle

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

synonym: scythe, crescent, cutter

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

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

anemia

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

synonym: bloodlessness, pallor, weakness

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

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

diagnose

v. to determine or distinguish the nature of a problem or an illness through a careful analysis

synonym: identify, analyze, interpret

(1) **diagnose** the problem, (2) **diagnose** with CT scans

This device is used to **diagnose** brain cancer and other tumors.

immune

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

synonym: resistant, unsusceptible, unaffected

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

immune system

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

identify

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

synonym: determine, specify, recognize

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

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

cancer

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

synonym: tumor, carcinoma, malignancy

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

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

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.

terminal

n. a building or place where buses, trains, or airplanes stop and where passengers or goods can be picked up or dropped off; (adjective) of or situated at the ends of a delivery route

synonym: endpoint, final, concluding

(1) **terminal** disease, (2) a **terminal** syllable

The **terminal** at the airport is where passengers catch their flights.

chronic

adj. being long-lasting and recurrent or characterized by long suffering; habitual

synonym: established, regular, constant

(1) risk of **chronic** disease, (2) **chronic** alcohol consumption

Chronic hyperglycemia is a trigger for a variety of serious diseases.

incredible

adj. unbelievable; enormous

synonym: unbelievable, fantastical, inconceivable

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

Her response revealed **incredible** idiocy.

hundredfold

adj. a hundred times as great or as much

(1) rise nearly **hundredfold**, (2) improve **hundredfold**

The development team reported two **hundredfold** increases in performance.

drastic

adj. radical and extreme; likely to have a significant or far-reaching impact

synonym: extreme, fierce, radical

(1) **drastic** measures, (2) make **drastic** revision

The global community is undergoing **drastic** changes at present.

unleash

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

synonym: discharge, free, release

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

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

imaginary

adj. existing only in someone's mind

synonym: fictional, ideal, fantastical

(1) **imaginary** number, (2) **imaginary** pregnancy

Little children tend to have **imaginary** friends.

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.

nitrogen

n. a chemical element with the symbol N and atomic number 7, which is a highly reactive element that forms part of many compounds, including amino acids and proteins

(1) heavy **nitrogen**, (2) **nitrogen** absorption

Nitrogen gas is used to inflate car tires because it does not react with rubber.

fertilizer

n. a natural or chemical substance added to soil to make plants grow more successfully

synonym : manure

(1) a chemical **fertilizer**, (2) nonsynthetic **fertilizer**

Nitrogen fixation by the Haber-Bosch method leads to the mass production of **fertilizers**.

coal

n. a combustible black or brownish-black sedimentary rock that is found below the ground and burnt to produce heat

synonym : ember

(1) a **coal-fired** ship, (2) construction of new **coal** plants

We combust **coal** and other fossil fuels to generate electricity.

triple

adj. consisting of three items or people; three times as great or many

synonym : threefold

(1) a **triple** mirror, (2) **triple** digits

His coach is a **triple** Olympic champion.

fossil

n. any preserved remains, impression, or trace of any once-living thing that has become hard and turned into rock

synonym : relic, remnant, antediluvian

(1) burning of **fossil** fuels, (2) a **fossil** leaf

It was the **fossil** of a dinosaur tooth.

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

futurist

n. a person who studies or predicts trends and developments, particularly in science, technology, or social systems, to anticipate what the future may hold

synonym : foreseer, prophet, fortune-teller

(1) **futurist** architecture, (2) **futurist** ideas

The radical **futurist** predicted that virtual reality would become a standard in everyday life.

underway

adj. having started and currently in progress

synonym : afoot, ongoing, in motion

(1) just getting **underway**, (2) campaign now **underway**

This project has been **underway** for several years.

crop

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

synonym : output, produce, product

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

Sow early for an early **crop**.

pest

n. a destructive insect or other animals that are harmful to crops, animals, or humans; someone or something that is annoying or troublesome

synonym : nuisance, problem, annoyance

(1) **pest** control, (2) a **pest** of bean plants

The gardener used natural methods to keep **pests** away from

her plants.

essentially

adv. relating to the essential features or concepts of anything

synonym : fundamentally, basically, virtually

(1) **essentially** correct, (2) become **essentially** same

Essentially, a society is an organism.

bug

n. any tiny insect; a fault or defect in a computer program, system, or machine

synonym : insect, bacterium, microbe

(1) **bug** bites, (2) number of **bug** fixes

I found a stink **bug** crawling across the ceiling.

scent

n. a distinctive smell, especially a pleasant one

synonym : fragrance, aroma, perfume

(1) natural **scent**, (2) **scent** memory

The **scent** of freshly baked bread filled the bakery.

papaya

n. tropical fruit with a soft orange or yellow flesh and black seeds, often used in salads, smoothies, and other culinary dishes for its sweet and slightly tangy flavor

synonym : pawpaw, melon tree, carica

(1) **papaya** smoothie, (2) ripe **papaya**

I love eating fresh **papaya** for breakfast.

threaten

v. to utter intentions of injury or punishment against someone

synonym : endanger, terrorize, intimidate

(1) **threaten** a healthy relationship, (2) **threaten** national security

Various artificially induced causes are **threatening** our ecosystem.

pathogen

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

synonym : germ, microbe, bacterium

(1) plant **pathogen**, (2) the **pathogen** in the air
mRNA vaccines are approved faster because they do not contain inactivated **pathogens**.

resistant

adj. not affected by something, especially changes or new ideas; of or relating to immunity to disease or infection

synonym: unsusceptible, immune, invulnerable

(1) penicillin- **resistant** bacteria, (2) **resistant** to persuasion
Insects in urban areas are becoming **resistant** to insecticides.

commerce

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

synonym: trade, transaction, dealings

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

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

fermentation

n. the chemical breakdown of a substance by bacteria, yeasts, or other microorganisms, typically involving effervescence and the giving off of the heat

synonym: brewing, culturing, pickling

(1) oxidative **fermentation**, (2) **fermentation** tank

The process of **fermentation** is used to make beer, wine, and many other products.

champagne

n. a type of sparkling wine produced in the Champagne region of France, or any similar wine produced elsewhere

synonym: sparkling wine, prosecco, cava

(1) **champagne** toast, (2) **champagne** celebration

They opened a bottle of **champagne** to celebrate their success.

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.

ferment

v. to experience a chemical change or action that results in the production of alcohol or effervescence of gases;
(noun) a state of agitated activity or change, especially in the context of social or political movements

synonym: ripen, simmer, (noun) agitation

(1) **ferment** sugar into ethanol, (2) political **ferment**

The dough was left to **ferment** overnight to give the bread its distinctive flavor.

biomass

n. the total quantity of living matter in a given unit of environment, including plants, animals, and microorganisms

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

The **biomass** in a forest can be measured by collecting and weighing all living plants within a specific area.

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.

equivalent

n. having the same value, quality, meaning, purpose, etc.

synonym: equal, counterpart, match

(1) **equivalent** amounts, (2) **equivalent** in meaning

The European Central Bank is Europe's **equivalent** of the Federal Reserve.

efficient

adj. performing at the highest level of productivity with the least wasted effort or resources; capable of achieving maximum output with minimum wasted effort, time, or materials

synonym: productive, effective, competent

(1) **efficient** operation, (2) energy- **efficient** appliances

The new washing machine is much more **efficient** than the

old one.

manufacture

v. to make goods in large numbers, usually in a factory using machines

synonym: create, fabricate, assemble

(1) **manufacture** an enzyme, (2) **manufacture** a product

The majority of synthetic vitamins are **manufactured** from oil.

facility

n. a building or place that provides a particular service or is used for a particular industry

synonym: building, structure, installation

(1) a cell phone with an internet **facility**, (2) **facility** design

This company has an entire recycling **facility**, including major reprocessing plants.

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.

flavor

n. the taste sensation produced by a substance in the mouth

synonym: taste, savor, essence

(1) a delicate **flavor**, (2) **flavor** enhancer

The **flavor** of the coffee was rich and full-bodied.

fragrance

n. a pleasant or sweet smell, especially one that is natural to a particular substance

synonym: aroma, scent, perfume

(1) **fragrance** oil, (2) lavender **fragrance**

The **fragrance** of the roses filled the air and brought a smile to my face.

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.

dye

v. to color a textile or hair by immersing it in a colored liquid or substance

synonym : color, tint, stain

(1) **dye** a T-shirt red, (2) **dye** patterns

She **dyed** her hair purple for a change.

fabricate

v. to make something, especially by assembling parts or constructing it from raw materials; to invent and present something false as true or real to deceive someone

synonym : manufacture, assemble, falsify

(1) **fabricate** a chemical, (2) **fabricate** an excuse

The detective discovered that the witness had **fabricated** her story about the crime.

jean

n. a sturdy cotton twill fabric, typically blue, used for jeans and other clothing

synonym : denim, cotton, pants

(1) a **jean** skirt, (2) **jean** denim

She wore her favorite pair of **jeans** to the party.

pollute

v. to make an area or substance, such as land, air, water, etc., dirty or harmful to living things by adding waste matter or harmful chemicals

synonym : contaminate, corrupt, degrade

(1) **pollute** the air, (2) **pollute** the thread

We should do our best not to **pollute** the environment.

guilt

n. the fact of having committed something illegal; the negative feelings caused by believing or knowing that you have done something wrong

synonym : regret, remorse, blame

(1) criminal **guilt**, (2) feeling of **guilt**

Shame and **guilt** have significant social influences.

squalene

n. a type of lipid or fat that is produced by the body and plays a role in various biological processes, particularly in skin health and immunity

(1) **squalene** oil, (2) plant-based **squalene**

Shark liver oil is a common source of **squalene** supplements.

ingredient

n. one of the things used to make something, especially one of the foods used to make a particular dish

synonym : element, component

(1) secret **ingredients**, (2) compound the **ingredients**

Greed is the primary **ingredient** in the making of criminals.

moist

adj. slightly wet, a state characterized by the presence of moisture or dampness

synonym : damp, humid, wet

(1) **moist** soil, (2) **moist** climate

My hands felt **moist** and sweaty during the exam.

hydrate

v. to add water or moisture to something; to drink enough fluids to maintain proper moisture; (noun) any compound that contains water of crystallization

synonym : moisturize, water, rehydrate

(1) **hydrate** my skin, (2) acid **hydrate**

She drank water to **hydrate** her body.

shark

n. a long-bodied, mostly predatory marine fish that has sharp teeth and a pointed fin on its back; a person who is ruthless, greedy, and dishonest

synonym : swindler, con artist, crook

(1) a man-eating **shark**, (2) card **shark**

He borrowed money from a loan **shark**.

liver

n. a large organ in the body, involved in many metabolic processes, such as detoxification of the organism, and the synthesis of proteins

(1) **liver** disease, (2) fatty **liver**

The patient will undergo **liver** transplant surgery tomorrow.

apex

n. the highest point or tip of something

synonym: summit, peak, zenith

(1) **apex** predator, (2) **apex** position

The company reached the **apex** of success in the market.

predator

n. an animal whose natural behavior is to prey on others

synonym: vulture, bloodsucker

(1) apex **predator**, (2) sexual **predators**

The native South American animals were in danger because of the **predator's** arrival.

ecology

n. the study of the relationships between living organisms, including humans, and their physical environment

(1) science of **ecology**, (2) the **ecology** of the island

Many companies are now enthusiastically embracing the knowledge of **ecology** for sustainable development.

replace

v. to take the place of something

synonym: substitute, supersede, displace

(1) **replace** one word with another, (2) **replace** a phone

Eventually, the new design will **replace** all older models.

spider

n. a small, eight-legged creature that spins webs to catch insects as food; a computer program that systematically browses the World Wide Web for purposes of web indexing

synonym: arachnid, wanderer

(1) **spider** venom, (2) web **spider**

The **spider** spun an intricate web in the corner of the room.

silk *n.* a fine, strong, soft, lustrous fiber produced by silkworms in making cocoons and collected to make thread and fabric
synonym : satin, taffeta, velvet
(1) **silk** road, (2) **silk** fabric
She wore a **silk** dress to the party.

steel *n.* a strong metal alloy made up of iron with typically a few tenths of a percent of carbon used for making things that need a strong structure
synonym : iron
(1) magnetic **steel**, (2) **steel** beam
This bridge is the third largest **steel** bridge in the world.

violent *adj.* involving or caused by physical force or aggression against someone or something
synonym : aggressive, intense, turbulent
(1) victim of a **violent** crime, (2) **violent** incident
The protesters became **violent** when the police tried to disperse them.

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.

composite *adj.* made up of different parts, elements, or substances;
(noun) something made from two or more different substances
synonym : compound, combined, mixed
(1) **composite** materials, (2) a **composite** of different photographs
The **composite** index tracks the performance of multiple stocks in the same sector.

fantastic

adj. extremely good; excellent

synonym : incredible, unbelievable, marvelous

(1) a **fantastic** dress, (2) absolutely **fantastic** event

The new amusement park ride was **fantastic**, with twists, turns, and drops that left riders screaming with excitement.

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.

bonus

n. an extra amount of money that is added to payment as a present or reward for good work

synonym : extra, perk, compensation

(1) **bonus** appraisal, (2) annual **bonus**

The committee abolished the controversial **bonus** system.

vision

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

synonym : sight, image, concept

(1) a prodigious **vision**, (2) telescopic **vision**

Driving is difficult for me because of my poor **vision**.

dignify

v. to make something worthy of respect or honor; to elevate or give importance to something that may otherwise be considered insignificant

synonym : elevate, ennoble, honor

(1) **dignify** the role, (2) **dignify** the occasion

It's important to **dignify** other people's opinions and not dismiss them without consideration.

virtue

n. high moral standards in behavior or attitudes

synonym : integrity, probity, goodness

(1) **virtue** of frugality, (2) acquire a **virtue**

She had many good **virtues** and few faults.

conclude

v. to come to an end or close; to reach a judgment or opinion by reasoning

synonym: complete, finish, decide

(1) **conclude** a meeting, (2) **conclude** that he is healthy

We **concluded** a cease-fire.

harmony

n. the combination of simultaneous musical notes to produce a pleasing effect; an attractive combination of related things and their properties

synonym: balance, accord, congruence

(1) a **harmony** of colors, (2) break a **harmony**

We worked in perfect **harmony**.

moral

adj. concerned with the principles of what is right and wrong, fairness, honesty, etc.

synonym: honest, ethical, conscientious

(1) **moral** hazard, (2) **moral** burden

Ethics deals with **moral** conduct.

imperative

adj. very important or requiring attention or action

synonym: compulsory, binding, critical

(1) moral **imperative**, (2) **imperative** need

It is **imperative** for politicians to be effective communicators.

Session 2: Spelling

1. the ba____e of power *n.* a condition in which everything has the same weight or force; something left after other parts have been taken away
2. im____e the test score *v.* to make or become better
3. th____e on pressure *v.* to grow vigorously; to make steady progress
4. for spe____lly American customers *adv.* only associated with or meant for one thing
5. te____te plant *n.* a wild grass of Mexico and Central America, from which maize or corn is believed to have been domesticated
6. equ____nt in meaning *n.* having the same value, quality, meaning, purpose, etc.
7. 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
8. equ____nt amounts *n.* having the same value, quality, meaning, purpose, etc.
9. in____t a personal opinion into a debate *v.* to put a liquid such as a drug or other substance into a person's or an animal's body using a needle and syringe (= small tube)
10. d_e patterns *v.* to color a textile or hair by immersing it in a colored liquid or substance

ANSWERS: 1. balance, 2. improve, 3. thrive, 4. specifically, 5. teosinte, 6. equivalent, 7. develop, 8. equivalent, 9. inject, 10. dye

11. pu___e a goal
v. to do something or attempt to attain something over time; to follow or seek someone or something, especially in trying to catch them
12. ac____e milestones
v. to successfully complete a task or goal, often through hard work, perseverance, and dedication; to attain or accomplish something that one has set out to do
13. blue al__e
n. A simple plant that grows in or near water and lacks typical leaves and roots
14. an___a symptoms
n. a medical condition in which the body lacks enough red blood cells or hemoglobin, causing fatigue, weakness, or difficulty breathing; a lack of vitality or liveliness in something
15. become ess_____ly same
adv. relating to the essential features or concepts of anything
16. pu___e freedoms
v. to do something or attempt to attain something over time; to follow or seek someone or something, especially in trying to catch them
17. the te_____ue applied to construction
n. a particular way or art of doing something that needs skill
18. economic bu___e
n. a thin, round, and often transparent mass of gas that is surrounded by a thin layer of liquid; a state of economic or social prosperity that is unsustainable and eventually collapses
19. un_____h her anger
v. to suddenly release a strong force, emotion, etc. that cannot be controlled

ANSWERS: 11. pursue, 12. achieve, 13. algae, 14. anemia, 15. essentially, 16. pursue, 17. technique, 18. bubble, 19. unleash

20. tec_____cal policy *adj.* based on scientific and industrial progress
21. co_____t with diversity *v.* to live or exist together at the same time in the same place
22. ad_____e a cooperative relationship *v.* to go or move forward; to develop in a positive way
23. botanical ex_____t *n.* a short passage taken from a book, piece of music, etc.; a substance obtained from something through a specific process; (verb) to obtain from something or to remove something by effort or force
24. art cr_____c *n.* someone who expresses opinions about the quality of books, music, etc.
25. a man-eating sh__k *n.* a long-bodied, mostly predatory marine fish that has sharp teeth and a pointed fin on its back; a person who is ruthless, greedy, and dishonest
26. di_____y the occasion *v.* to make something worthy of respect or honor; to elevate or give importance to something that may otherwise be considered insignificant
27. re_____e a phone *v.* to take the place of something
28. mo__l burden *adj.* concerned with the principles of what is right and wrong, fairness, honesty, etc.
29. co_____t level *n.* a state of physical ease and freedom from pain or constraint
30. fer_____ion tank *n.* the chemical breakdown of a substance by bacteria, yeasts, or other microorganisms, typically involving effervescence and the giving off of the heat

ANSWERS: 20. technological, 21. coexist, 22. advance, 23. extract, 24. critic, 25. shark, 26. dignify, 27. replace, 28. moral, 29. comfort, 30. fermentation

31. ch_____ne celebration *n.* a type of sparkling wine produced in the Champagne region of France, or any similar wine produced elsewhere
32. mo__l hazard *adj.* concerned with the principles of what is right and wrong, fairness, honesty, etc.
33. de_____ve equipment *adj.* having a flaw or fault that prevents proper functioning or usability; broken or imperfect in some way
34. secret ing_____nts *n.* one of the things used to make something, especially one of the foods used to make a particular dish
35. the pa_____en in the air *n.* a bacterium, virus, or other microorganism that causes disease
36. imp_____ion on stage *n.* the act of making something up on the spot or creating or performing something without preparation
37. fu___s infection *n.* a type of organism that includes yeasts, molds, and mushrooms, which are heterotrophic, meaning they do not produce their food and must consume organic matter to survive
38. vi_____t incident *adj.* involving or caused by physical force or aggression against someone or something
39. acute sy_____me *n.* a group of signs and symptoms that occur together and are characteristic of a particular condition or disorder
40. improve hun_____ld *adj.* a hundred times as great or as much
41. answer questions ind_____lly *adv.* separately or apart from others

ANSWERS: 31. champagne, 32. moral, 33. defective, 34. ingredient, 35. pathogen, 36. improvisation, 37. fungus, 38. violent, 39. syndrome, 40. hundredfold, 41. individually

42. c__p field *n.* a plant that is cultivated in large amounts, particularly for food
43. a ge____c disorder *adj.* of or relating to genes (= parts of the DNA in cells) or the science of genes
44. harvest si___e *n.* a tool consisting of a short curved blade with a handle, used for cutting grass or grain; also a symbol associated with harvest or death
45. pathogenic mi____e *n.* a tiny living thing that can only be seen with a microscope and that may cause disease
46. annual bo__s *n.* an extra amount of money that is added to payment as a present or reward for good work
47. ec____y class *n.* the system by which a country or region produces manages, and distributes goods and services, including the money and finances involved in these activities; (of an airline) the lowest-priced, most basic option for seating in commercial travel
48. 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
49. number of b_g fixes *n.* any tiny insect; a fault or defect in a computer program, system, or machine
50. beginning of the industrial rev____on *n.* a large-scale attempt to overthrow the government of a country, often using violence or war;

ANSWERS: 42. crop, 43. genetic, 44. sickle, 45. microbe, 46. bonus, 47. economy, 48. carbon, 49. bug, 50. revolution

51. feeling of gu__t *n.* the fact of having committed something illegal; the negative feelings caused by believing or knowing that you have done something wrong
52. li__r disease *n.* a large organ in the body, involved in many metabolic processes, such as detoxification of the organism, and the synthesis of proteins
53. po____e the air *v.* to make an area or substance, such as land, air, water, etc., dirty or harmful to living things by adding waste matter or harmful chemicals
54. lavender fr____ce *n.* a pleasant or sweet smell, especially one that is natural to a particular substance
55. kn____ow transfer *n.* practical knowledge, skills, or experience in a particular field or area, often acquired through personal experience or training
56. 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
57. acid hy____e *v.* to add water or moisture to something; to drink enough fluids to maintain proper moisture; (noun) any compound that contains water of crystallization
58. inn____on leader *n.* the creation of a new device or process resulting from study and experimentation

ANSWERS: 51. guilt, 52. liver, 53. pollute, 54. fragrance, 55. know-how, 56. planet, 57. hydrate, 58. innovation

59. ca___r diagnosis *n.* abnormal growth of cells that can invade and destroy surrounding tissues and organs; a disease characterized by the uncontrolled growth and spread of abnormal cells
60. toxic ch_____als *adj.* relating to or connected with chemistry;
61. cr_____re of habit *n.* a living being, especially an animal
62. fa_____te an excuse *v.* to make something, especially by assembling parts or constructing it from raw materials; to invent and present something false as true or real to deceive someone
63. in_____te both businesses *v.* to combine one thing with another so that they form a whole or work together; to accept equal participation for members of all races and ethnic groups
64. mo_____to repellent *n.* a small flying insect whose female bites people and animals and sucks their blood, and sometimes transmits serious diseases such as malaria
65. a brief ex_____t from the book *n.* a short passage taken from a book, piece of music, etc.; a substance obtained from something through a specific process; (verb) to obtain from something or to remove something by effort or force
66. the local chamber of co_____ce *n.* the activity of buying and selling things, especially on a large scale
67. a te_____ue in martial arts *n.* a particular way or art of doing something that needs skill

ANSWERS: 59. cancer, 60. chemical, 61. creature, 62. fabricate, 63. integrate, 64. mosquito, 65. extract, 66. commerce, 67. technique

68. sp___r venom *n.* a small, eight-legged creature that spins webs to catch insects as food; a computer program that systematically browses the World Wide Web for purposes of web indexing
69. 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
70. designed spe_____lly for men *adv.* only associated with or meant for one thing
71. im__y the presence of alien *v.* to indicate the truth or existence of something without referring to it
72. sy_____ic fiber *adj.* made by combining chemical substances as opposed to being naturally occurring
73. di_____es patient *n.* a medical condition in which the body cannot produce enough insulin to control the glucose levels in the blood
74. mo__t climate *adj.* slightly wet, a state characterized by the presence of moisture or dampness
75. mo___n poetry *adj.* of or belonging to the present time or recent times
76. r__y entirely on him *v.* to require a specific thing or the assistance and support of someone or something to continue, run properly, or succeed.
77. the c__e of an apple *n.* the most essential or fundamental part of something

ANSWERS: 68. spider, 69. disease, 70. specifically, 71. imply, 72. synthetic, 73. diabetes, 74. moist, 75. modern, 76. rely, 77. core

78. inc_____le amount *adj.* unbelievable; enormous
79. pre-mo___n agricultural society *adj.* of or belonging to the present time or recent times
80. a co_____te of different photographs *adj.* made up of different parts, elements, or substances; (noun) something made from two or more different substances
81. am_____g advances *adj.* extremely surprising, especially in a way that you like or admire
82. the con_____ce of an argument *n.* the outcome of a particular action or event, especially relative to an individual
83. pa___a smoothie *n.* tropical fruit with a soft orange or yellow flesh and black seeds, often used in salads, smoothies, and other culinary dishes for its sweet and slightly tangy flavor
84. ha_____s a horse to a carriage *v.* to control and exploit the power of something, especially natural resources that produce energy; (noun) a set of narrow pieces of leather and metal that are used to control or hold in place a person, animal, or object
85. biomass f__l *n.* a substance that is typically burned to generate heat or energy
86. cell and molecular bi_____y *n.* the scientific study of life and the natural processes of living things
87. apex pr_____or *n.* an animal whose natural behavior is to prey on others
88. mo_____to bite *n.* a small flying insect whose female bites people and animals and sucks their blood, and sometimes transmits serious diseases such as malaria

ANSWERS: 78. incredible, 79. modern, 80. composite, 81. amazing, 82. consequence, 83. papaya, 84. harness, 85. fuel, 86. biology, 87. predator, 88. mosquito

89. ad____e the technology *v.* to go or move forward; to develop in a positive way
90. env_____nt affairs *n.* the natural world such as air, water, and land in which humans, animals, and plants live
91. al_____te anxiety *v.* to make something, usually pain, distress, or problem, less severe or intense; to ease or lighten a burden
92. chaotic env_____nt *n.* the natural world such as air, water, and land in which humans, animals, and plants live
93. ma____e amounts *adj.* enormous amount; very heavy and solid
94. sq_____ne oil *n.* a type of lipid or fat that is produced by the body and plays a role in various biological processes, particularly in skin health and immunity
95. a p__t of bean plants *n.* a destructive insect or other animals that are harmful to crops, animals, or humans; someone or something that is annoying or troublesome
96. fatty li__r *n.* a large organ in the body, involved in many metabolic processes, such as detoxification of the organism, and the synthesis of proteins
97. ef_____nt operation *adj.* performing at the highest level of productivity with the least wasted effort or resources; capable of achieving maximum output with minimum wasted effort, time, or materials

ANSWERS: 89. advance, 90. environment, 91. alleviate, 92. environment, 93. massive, 94. squalene, 95. pest, 96. liver, 97. efficient

98. re__t against his way of thinking *v.* to take action in response to something
99. re_____le a dispute *v.* to find a way of dealing with two or more ideas, needs, etc. that are opposed to each other to agree and coexist
100. te_____al disease *n.* a building or place where buses, trains, or airplanes stop and where passengers or goods can be picked up or dropped off; (adjective) of or situated at the ends of a delivery route
101. a private ind_____al *n.* a single person or thing, as distinct from a group
102. th___e in a society *v.* to grow vigorously; to make steady progress
103. dr_____c measures *adj.* radical and extreme; likely to have a significant or far-reaching impact
104. bi_____s energy *n.* the total quantity of living matter in a given unit of environment, including plants, animals, and microorganisms
105. de_____ve gene *adj.* having a flaw or fault that prevents proper functioning or usability; broken or imperfect in some way
106. se___e heat *adj.* extremely serious or bad in feeling, manner, or strict and harsh; extremely strong or vigorous
107. fe_____t sugar into ethanol *v.* to experience a chemical change or action that results in the production of alcohol or effervescence of gases; (noun) a state of agitated activity or change, especially in the context of social or political movements

ANSWERS: 98. react, 99. reconcile, 100. terminal, 101. individual, 102. thrive, 103. drastic, 104. biomass, 105. defective, 106. severe, 107. ferment

108. w__e with water *v.* to clean or dry something by rubbing with a piece of cloth or paper or one's hand and removing dirt, food, or liquid
109. dedicated env _____ ist *n.* a person who is concerned with and advocates for the protection of the natural environment
110. imm _____ ncy virus *n.* a condition in which the immune system is not functioning properly, resulting in a decreased ability to fight off infections and diseases
111. b_g bites *n.* any tiny insect; a fault or defect in a computer program, system, or machine
112. in _____ te into the existing system *v.* to combine one thing with another so that they form a whole or work together; to accept equal participation for members of all races and ethnic groups
113. em _____ e an opportunity *v.* to accept something willingly and enthusiastically; (noun) the act of claspng another person in the arms as in greeting or affection
114. un _____ h a hound *v.* to suddenly release a strong force, emotion, etc. that cannot be controlled
115. follow his ins _____ ons *n.* detailed direction, order, etc., on how to do or use something
116. re _____ ze talent *v.* to acknowledge or realize something or someone; to identify, remember, or become aware of something that was previously known or encountered
117. ad __ _ t as needed *v.* to make fit for or change to suit a new purpose or environment

ANSWERS: 108. wipe, 109. environmentalist, 110. immunodeficiency, 111. bug, 112. integrate, 113. embrace, 114. unleash, 115. instruction, 116. recognize, 117. adapt

118. sus_____le alternative fuel *adj.* able to continue or be continued for a long time
119. anthropology lab_____ry *n.* a workplace for doing scientific research or teaching science; a lab
120. a tr___e mirror *adj.* consisting of three items or people; three times as great or many
121. ca___r research *n.* abnormal growth of cells that can invade and destroy surrounding tissues and organs; a disease characterized by the uncontrolled growth and spread of abnormal cells
122. natural sc___t *n.* a distinctive smell, especially a pleasant one
123. have ge_____c testing *adj.* of or relating to genes (= parts of the DNA in cells) or the science of genes
124. rec_____nt DNA *adj.* relating to a process in which DNA sequences from different sources are combined or rearranged to create new genetic material; an organism or gene that results from this process
125. compound the ing_____nts *n.* one of the things used to make something, especially one of the foods used to make a particular dish
126. put a ha_____s on my pet *v.* to control and exploit the power of something, especially natural resources that produce energy; (noun) a set of narrow pieces of leather and metal that are used to control or hold in place a person, animal, or object

ANSWERS: 118. sustainable, 119. laboratory, 120. triple, 121. cancer, 122. scent, 123. genetic, 124. recombinant, 125. ingredient, 126. harness

127. co____de a meeting *v.* to come to an end or close; to reach a judgment or opinion by reasoning
128. s__k fabric *n.* a fine, strong, soft, lustrous fiber produced by silkworms in making cocoons and collected to make thread and fabric
129. an___a disease *n.* a medical condition in which the body lacks enough red blood cells or hemoglobin, causing fatigue, weakness, or difficulty breathing; a lack of vitality or liveliness in something
130. a ch____al compound *adj.* relating to or connected with chemistry;
131. make dr____c revision *adj.* radical and extreme; likely to have a significant or far-reaching impact
132. the evidence of the pr____ce *n.* the fact or state that someone or something exists, occurs, or is present
133. ripe pa____a *n.* tropical fruit with a soft orange or yellow flesh and black seeds, often used in salads, smoothies, and other culinary dishes for its sweet and slightly tangy flavor
134. co____e augmented reality *v.* to join or merge to form a single thing or group
135. campaign now un____ay *adj.* having started and currently in progress
136. bo__s appraisal *n.* an extra amount of money that is added to payment as a present or reward for good work
137. a te____al syllable *n.* a building or place where buses, trains, or airplanes stop and where passengers or goods can be picked up or dropped off; (adjective) of or situated at the ends of a delivery route

ANSWERS: 127. conclude, 128. silk, 129. anemia, 130. chemical, 131. drastic, 132. presence, 133. papaya, 134. combine, 135. underway, 136. bonus, 137. terminal

138. a political rev_____on *n.* a large-scale attempt to overthrow the government of a country, often using violence or war;
139. di_____se the problem *v.* to determine or distinguish the nature of a problem or an illness through a careful analysis
140. jazz imp_____ion *n.* the act of making something up on the spot or creating or performing something without preparation
141. ch_____ne toast *n.* a type of sparkling wine produced in the Champagne region of France, or any similar wine produced elsewhere
142. man_____re an enzyme *v.* to make goods in large numbers, usually in a factory using machines
143. sy_____ic fertilizer *adj.* made by combining chemical substances as opposed to being naturally occurring
144. in____t under the skin *v.* to put a liquid such as a drug or other substance into a person's or an animal's body using a needle and syringe (= small tube)
145. individual ins_____on *n.* detailed direction, order, etc., on how to do or use something
146. magnetic st__l *n.* a strong metal alloy made up of iron with typically a few tenths of a percent of carbon used for making things that need a strong structure
147. an env_____ist political party *n.* a person who is concerned with and advocates for the protection of the natural environment

ANSWERS: 138. revolution, 139. diagnose, 140. improvisation, 141. champagne, 142. manufacture, 143. synthetic, 144. inject, 145. instruction, 146. steel, 147. environmentalist

148. c__e business activity	<i>n.</i>	the most essential or fundamental part of something
149. vi___e of frugality	<i>n.</i>	high moral standards in behavior or attitudes
150. ad__t fully to the environment	<i>v.</i>	to make fit for or change to suit a new purpose or environment
151. development of in_____n resistance	<i>n.</i>	a hormone produced in the pancreas that controls the amount of sugar in the blood, or a similar artificial substance used for the treatment of diabetes
152. ma_____a mosquitoes	<i>n.</i>	a severe disease caused by a parasite that is spread by the bite of an infected mosquito
153. co_____t with nature	<i>v.</i>	to live or exist together at the same time in the same place
154. plant pa_____en	<i>n.</i>	a bacterium, virus, or other microorganism that causes disease
155. risk of ch_____c disease	<i>adj.</i>	being long-lasting and recurrent or characterized by long suffering; habitual
156. im___e from criminal prosecution	<i>adj.</i>	protected against a particular disease or toxin due to the presence of specific antibodies or sensitized white blood cells
157. small mo_____les	<i>n.</i>	a group of two or more atoms held together by attractive forces known as chemical bonds
158. W__e off dirt	<i>v.</i>	to clean or dry something by rubbing with a piece of cloth or paper or one's hand and removing dirt, food, or liquid

ANSWERS: 148. core, 149. virtue, 150. adapt, 151. insulin, 152. malaria, 153. coexist, 154. pathogen, 155. chronic, 156. immune, 157. molecule, 158. wipe

159. mo__t soil	<i>adj.</i> slightly wet, a state characterized by the presence of moisture or dampness
160. ph____cy chain	<i>n.</i> a place where medicines are prepared and dispensed; a drugstore or chemist's
161. past mil_____um	<i>n.</i> a span of 1000 years, or the 1000th anniversary (plural: millennia)
162. a co_____nt wind	<i>adj.</i> happening repeatedly or all the time
163. sy_____me of dementia	<i>n.</i> a group of signs and symptoms that occur together and are characteristic of a particular condition or disorder
164. smokeless f__l	<i>n.</i> a substance that is typically burned to generate heat or energy
165. r__y on convenience stores	<i>v.</i> to require a specific thing or the assistance and support of someone or something to continue, run properly, or succeed.
166. c__p herbicide	<i>n.</i> a plant that is cultivated in large amounts, particularly for food
167. a ha_____y of colors	<i>n.</i> the combination of simultaneous musical notes to produce a pleasing effect; an attractive combination of related things and their properties
168. a__x predator	<i>n.</i> the highest point or tip of something
169. a fo___l leaf	<i>n.</i> any preserved remains, impression, or trace of any once-living thing that has become hard and turned into rock
170. ye__t cell	<i>n.</i> a type of fungus that is used in making alcoholic drinks such as beer and wine or to make bread rise

ANSWERS: 159. moist, 160. pharmacy, 161. millennium, 162. constant, 163. syndrome, 164. fuel, 165. rely, 166. crop, 167. harmony, 168. apex, 169. fossil, 170. yeast

171. d_e a T-shirt red *v.* to color a textile or hair by immersing it in a colored liquid or substance
172. co_____te materials *adj.* made up of different parts, elements, or substances; (noun) something made from two or more different substances
173. artificial cr_____re *n.* a living being, especially an animal
174. web sp____r *n.* a small, eight-legged creature that spins webs to catch insects as food; a computer program that systematically browses the World Wide Web for purposes of web indexing
175. notable in_____ce *n.* a particular example or single occurrence of something
176. de___e mosquito *n.* a viral disease transmitted by mosquitoes, characterized by fever, severe joint and muscle pain, and a rash
177. co_____de that he is healthy *v.* to come to an end or close; to reach a judgment or opinion by reasoning
178. 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
179. a co_____nt temperature *adj.* happening repeatedly or all the time
180. in_____t ancestral property *v.* to receive money, property, or a title from someone after they have died
181. re_____nt to persuasion *adj.* not affected by something, especially changes or new ideas; of or relating to immunity to disease or infection

ANSWERS: 171. dye, 172. composite, 173. creature, 174. spider, 175. instance, 176. dengue, 177. conclude, 178. planet, 179. constant, 180. inherit, 181. resistant

182. juvenile di_____es *n.* a medical condition in which the body cannot produce enough insulin to control the glucose levels in the blood
183. B-cell imm_____ncy *n.* a condition in which the immune system is not functioning properly, resulting in a decreased ability to fight off infections and diseases
184. the cell of the im___e system *adj.* protected against a particular disease or toxin due to the presence of specific antibodies or sensitized white blood cells
185. 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
186. re_____le these differences *v.* to find a way of dealing with two or more ideas, needs, etc. that are opposed to each other to agree and coexist
187. a se___e case of pneumonia *adj.* extremely serious or bad in feeling, manner, or strict and harsh; extremely strong or vigorous
188. re_____k a marketing plan *v.* to consider again a plan, idea, etc., especially to change it
189. bu___e in the champagne glass *n.* a thin, round, and often transparent mass of gas that is surrounded by a thin layer of liquid; a state of economic or social prosperity that is unsustainable and eventually collapses

ANSWERS: 182. diabetes, 183. immunodeficiency, 184. immune, 185. bacteria, 186. reconcile, 187. severe, 188. rethink, 189. bubble

190. ni____en absorption *n.* a chemical element with the symbol N and atomic number 7, which is a highly reactive element that forms part of many compounds, including amino acids and proteins
191. har_____us relationship *adj.* characterized by harmony or agreement; free from conflict or disagreement; pleasing or soothing in sound or tone
192. card sh__k *n.* a long-bodied, mostly predatory marine fish that has sharp teeth and a pointed fin on its back; a person who is ruthless, greedy, and dishonest
193. symbiotic fu___s *n.* a type of organism that includes yeasts, molds, and mushrooms, which are heterotrophic, meaning they do not produce their food and must consume organic matter to survive
194. ma_____a-endemic area *n.* a severe disease caused by a parasite that is spread by the bite of an infected mosquito
195. man_____re a product *v.* to make goods in large numbers, usually in a factory using machines
196. a chemical fer_____er *n.* a natural or chemical substance added to soil to make plants grow more successfully
197. daily in_____n dose *n.* a hormone produced in the pancreas that controls the amount of sugar in the blood, or a similar artificial substance used for the treatment of diabetes

ANSWERS: 190. nitrogen, 191. harmonious, 192. shark, 193. fungus, 194. malaria, 195. manufacture, 196. fertilizer, 197. insulin

198. key co_____nt *n.* one of several parts that combines with others to form something bigger
199. criminal gu__t *n.* the fact of having committed something illegal; the negative feelings caused by believing or knowing that you have done something wrong
200. ab_____n a friend *v.* to leave a place, thing, or person with no intention of returning; (noun) a feeling of extreme emotional intensity
201. el_____te sexual barriers *v.* to remove or get rid of someone or something
202. c_w herd *n.* a domesticated mammal with characteristic features such as a hump, large udders, and curved horns that is raised for its milk or meat
203. im_____e a process *v.* to make or become better
204. hy_____e my skin *v.* to add water or moisture to something; to drink enough fluids to maintain proper moisture; (noun) any compound that contains water of crystallization
205. interstate co_____ce *n.* the activity of buying and selling things, especially on a large scale
206. just getting un_____ay *adj.* having started and currently in progress
207. a numerator in a fr_____on *n.* a small part or item forming a piece of a whole; the quotient of two rational numbers
208. a warm em_____e *v.* to accept something willingly and enthusiastically; (noun) the act of clasping another person in the arms as in greeting or affection

ANSWERS: 198. component, 199. guilt, 200. abandon, 201. eliminate, 202. cow, 203. improve, 204. hydrate, 205. commerce, 206. underway, 207. fraction, 208. embrace

209. literary ox_____on	<i>n.</i> a figure of speech that combines contradictory terms, such as "jumbo shrimp" or "deafening silence"
210. mo_____le behavior	<i>n.</i> a group of two or more atoms held together by attractive forces known as chemical bonds
211. th_____en national security	<i>v.</i> to utter intentions of injury or punishment against someone
212. asset on the company's ba_____e sheet	<i>n.</i> a condition in which everything has the same weight or force; something left after other parts have been taken away
213. rec_____nt technology	<i>adj.</i> relating to a process in which DNA sequences from different sources are combined or rearranged to create new genetic material; an organism or gene that results from this process
214. di_____se with CT scans	<i>v.</i> to determine or distinguish the nature of a problem or an illness through a careful analysis
215. re_____e one word with another	<i>v.</i> to take the place of something
216. the most am_____g feeling	<i>adj.</i> extremely surprising, especially in a way that you like or admire
217. 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
218. re__t at a high temperature	<i>v.</i> to take action in response to something
219. ma_____e stars	<i>adj.</i> enormous amount; very heavy and solid
220. id_____fy handwriting	<i>v.</i> to recognize someone or something and say or prove who or what they are

ANSWERS: 209. oxymoron, 210. molecule, 211. threaten, 212. balance, 213. recombinant, 214. diagnose, 215. replace, 216. amazing, 217. yeast, 218. react, 219. massive, 220. identify

221. energy-ef_____nt appliances *adj.* performing at the highest level of productivity with the least wasted effort or resources; capable of achieving maximum output with minimum wasted effort, time, or materials
222. a fr_____onal share of the vote *n.* a small part or item forming a piece of a whole; the quotient of two rational numbers
223. har_____us blend *adj.* characterized by harmony or agreement; free from conflict or disagreement; pleasing or soothing in sound or tone
224. at inc_____le speed *adj.* unbelievable; enormous
225. fa_____ty design *n.* a building or place that provides a particular service or is used for a particular industry
226. re_____e the cardboard boxes *v.* to sort and collect things to process them and produce valuable materials that can be used again
227. 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
228. victim of a vi_____t crime *adj.* involving or caused by physical force or aggression against someone or something
229. ge_____cs discrimination *n.* the branch of biology that studies genes, genetic variation, and heredity in organisms

ANSWERS: 221. efficient, 222. fraction, 223. harmonious, 224. incredible, 225. facility, 226. recycle, 227. carbon, 228. violent, 229. genetics

230. fu_____st architecture *n.* a person who studies or predicts trends and developments, particularly in science, technology, or social systems, to anticipate what the future may hold
231. ind_____lly designed product *adv.* separately or apart from others
232. sexual pr_____ors *n.* an animal whose natural behavior is to prey on others
233. pa_____as function *n.* a glandular organ in the digestive system that produces several important hormones, including insulin and glucagon, as well as digestive enzymes that help break down food in the small intestine
234. words of co_____t *n.* a state of physical ease and freedom from pain or constraint
235. a delicate fl_____r *n.* the taste sensation produced by a substance in the mouth
236. 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
237. heavy ni_____en *n.* a chemical element with the symbol N and atomic number 7, which is a highly reactive element that forms part of many compounds, including amino acids and proteins
238. construction of new c___l plants *n.* a combustible black or brownish-black sedimentary rock that is found below the ground and burnt to produce heat

ANSWERS: 230. futurist, 231. individually, 232. predator, 233. pancreas, 234. comfort, 235. flavor, 236. disease, 237. nitrogen, 238. coal

239. dairy c_w *n.* a domesticated mammal with characteristic features such as a hump, large udders, and curved horns that is raised for its milk or meat
240. re_____k the role of the manager *v.* to consider again a plan, idea, etc., especially to change it
241. rise nearly hun_____ld *adj.* a hundred times as great or as much
242. moral imp_____ve *adj.* very important or requiring attention or action
243. ox_____on phrase *n.* a figure of speech that combines contradictory terms, such as "jumbo shrimp" or "deafening silence"
244. ex_____ve authority *adj.* not divided or shared with others
245. fr_____ce oil *n.* a pleasant or sweet smell, especially one that is natural to a particular substance
246. en_____er shortage *n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software
247. earliest human an_____or *n.* a person from whom one is descended; a forefather
248. 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
249. in_____t estate *v.* to receive money, property, or a title from someone after they have died

ANSWERS: 239. cow, 240. rethink, 241. hundredfold, 242. imperative, 243. oxymoron, 244. exclusive, 245. fragrance, 246. engineer, 247. ancestor, 248. bacteria, 249. inherit

250. s__k road *n.* a fine, strong, soft, lustrous fiber produced by silkworms in making cocoons and collected to make thread and fabric
251. mi_____es sterilizer *n.* a tiny living thing that can only be seen with a microscope and that may cause disease
252. imp_____ve need *adj.* very important or requiring attention or action
253. re_____ze achievement *v.* to acknowledge or realize something or someone; to identify, remember, or become aware of something that was previously known or encountered
254. a c__l-fired ship *n.* a combustible black or brownish-black sedimentary rock that is found below the ground and burnt to produce heat
255. sc__t memory *n.* a distinctive smell, especially a pleasant one
256. 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
257. te_____te genome *n.* a wild grass of Mexico and Central America, from which maize or corn is believed to have been domesticated
258. ec_____y of scale *n.* the system by which a country or region produces manages, and distributes goods and services, including the money and finances involved in these activities; (of an airline) the lowest-priced, most basic option for seating in commercial travel

ANSWERS: 250. silk, 251. microbe, 252. imperative, 253. recognize, 254. coal, 255. scent, 256. develop, 257. teosinte, 258. economy

259. absolutely fa_____ic event *adj.* extremely good; excellent
260. a cell phone with an internet
fa_____ty *n.* a building or place that provides a
particular service or is used for a
particular industry
261. ac_____e success *v.* to successfully complete a task or goal,
often through hard work, perseverance,
and dedication; to attain or accomplish
something that one has set out to do
262. ess_____ly correct *adv.* relating to the essential features or
concepts of anything
263. re_____e milk packaging into new
paper *v.* to sort and collect things to process
them and produce valuable materials
that can be used again
264. si___e-shaped moon *n.* a tool consisting of a short curved blade
with a handle, used for cutting grass or
grain; also a symbol associated with
harvest or death
265. th_____en a healthy relationship *v.* to utter intentions of injury or
punishment against someone
266. oxidative fer_____ion *n.* the chemical breakdown of a substance
by bacteria, yeasts, or other
microorganisms, typically involving
effervescence and the giving off of the
heat
267. ch_____c alcohol consumption *adj.* being long-lasting and recurrent or
characterized by long suffering; habitual
268. a__x position *n.* the highest point or tip of something
269. for in_____ce *n.* a particular example or single
occurrence of something

ANSWERS: 259. fantastic, 260. facility, 261. achieve, 262. essentially, 263. recycle, 264. sickle, 265. threaten, 266. fermentation, 267. chronic, 268. apex, 269. instance

270. ed___e vegetables	<i>adj.</i> fit or safe to be eaten; able to be consumed as food
271. acquire a vi___e	<i>n.</i> high moral standards in behavior or attitudes
272. cutting-edge inn_____on	<i>n.</i> the creation of a new device or process resulting from study and experimentation
273. tec_____cal advancement	<i>adj.</i> based on scientific and industrial progress
274. his majestic pr_____ce	<i>n.</i> the fact or state that someone or something exists, occurs, or is present
275. nonsynthetic fer_____er	<i>n.</i> a natural or chemical substance added to soil to make plants grow more successfully
276. id_____fy gene sequences	<i>v.</i> to recognize someone or something and say or prove who or what they are
277. a fa_____ic dress	<i>adj.</i> extremely good; excellent
278. a prodigious vi___n	<i>n.</i> the ability to think about or see the future with imagination and intelligence; the faculty of being able to see
279. j__n denim	<i>n.</i> a sturdy cotton twill fabric, typically blue, used for jeans and other clothing
280. the science of ge_____cs	<i>n.</i> the branch of biology that studies genes, genetic variation, and heredity in organisms
281. online ph_____cy	<i>n.</i> a place where medicines are prepared and dispensed; a drugstore or chemist's
282. break a ha_____y	<i>n.</i> the combination of simultaneous musical notes to produce a pleasing effect; an attractive combination of related things and their properties

ANSWERS: 270. edible, 271. virtue, 272. innovation, 273. technological, 274. presence, 275. fertilizer, 276. identify, 277. fantastic, 278. vision, 279. jean, 280. genetics, 281. pharmacy, 282. harmony

283. al__e biofuel *n.* A simple plant that grows in or near water and lacks typical leaves and roots
284. spare co_____nts for cars *n.* one of several parts that combines with others to form something bigger
285. co_____e chemically with another substance *v.* to join or merge to form a single thing or group
286. lab_____ry accident *n.* a workplace for doing scientific research or teaching science; a lab
287. evolutionary bi_____y *n.* the scientific study of life and the natural processes of living things
288. pa_____as inflammation *n.* a glandular organ in the digestive system that produces several important hormones, including insulin and glucagon, as well as digestive enzymes that help break down food in the small intestine
289. fuel bi_____s *n.* the total quantity of living matter in a given unit of environment, including plants, animals, and microorganisms
290. unintended con_____ces *n.* the outcome of a particular action or event, especially relative to an individual
291. ab_____n the practice *v.* to leave a place, thing, or person with no intention of returning; (noun) a feeling of extreme emotional intensity
292. ind_____al freedom *n.* a single person or thing, as distinct from a group
293. fu_____st ideas *n.* a person who studies or predicts trends and developments, particularly in science, technology, or social systems, to anticipate what the future may hold

ANSWERS: 283. algae, 284. component, 285. combine, 286. laboratory, 287. biology, 288. pancreas, 289. biomass, 290. consequence, 291. abandon, 292. individual, 293. futurist

294. 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
295. po____e the thread *v.* to make an area or substance, such as land, air, water, etc., dirty or harmful to living things by adding waste matter or harmful chemicals
296. telescopic vi____n *n.* the ability to think about or see the future with imagination and intelligence; the faculty of being able to see
297. mil____um bottle of wine *n.* a span of 1000 years, or the 1000th anniversary (plural: millennia)
298. st__l beam *n.* a strong metal alloy made up of iron with typically a few tenths of a percent of carbon used for making things that need a strong structure
299. 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
300. plant-based sq____ne *n.* a type of lipid or fat that is produced by the body and plays a role in various biological processes, particularly in skin health and immunity

ANSWERS: 294. process, 295. pollute, 296. vision, 297. millennium, 298. steel, 299. process, 300. squalene

301. share kn_____ow
- n.* practical knowledge, skills, or experience in a particular field or area, often acquired through personal experience or training
302. a j__n skirt
- n.* a sturdy cotton twill fabric, typically blue, used for jeans and other clothing
303. chemical ad_____on
- n.* the act or process of adding something to something else; the process of adding numbers
304. fa_____te a chemical
- v.* to make something, especially by assembling parts or constructing it from raw materials; to invent and present something false as true or real to deceive someone
305. principles of sus_____le development
- adj.* able to continue or be continued for a long time
306. de___e outbreak
- n.* a viral disease transmitted by mosquitoes, characterized by fever, severe joint and muscle pain, and a rash
307. severe cr___c
- n.* someone who expresses opinions about the quality of books, music, etc.
308. burning of fo___l fuels
- n.* any preserved remains, impression, or trace of any once-living thing that has become hard and turned into rock
309. the ec_____y of the island
- n.* the study of the relationships between living organisms, including humans, and their physical environment
310. political fe_____t
- v.* to experience a chemical change or action that results in the production of alcohol or effervescence of gases; (noun) a state of agitated activity or change, especially in the context of social or political movements

ANSWERS: 301. know-how, 302. jean, 303. addition, 304. fabricate, 305. sustainable, 306. dengue, 307. critic, 308. fossil, 309. ecology, 310. ferment

311. im_____ry number	<i>adj.</i> existing only in someone's mind
312. non-ed___e ingredients	<i>adj.</i> fit or safe to be eaten; able to be consumed as food
313. di_____y the role	<i>v.</i> to make something worthy of respect or honor; to elevate or give importance to something that may otherwise be considered insignificant
314. science of ec_____y	<i>n.</i> the study of the relationships between living organisms, including humans, and their physical environment
315. a civil en_____er	<i>n.</i> a person whose job is designing, building, or maintaining something such as machines, structures, or software
316. el_____te contestants	<i>v.</i> to remove or get rid of someone or something
317. penicillin-re_____nt bacteria	<i>adj.</i> not affected by something, especially changes or new ideas; of or relating to immunity to disease or infection
318. fl___r enhancer	<i>n.</i> the taste sensation produced by a substance in the mouth
319. ad_____on of vectors	<i>n.</i> the act or process of adding something to something else; the process of adding numbers
320. im__y a strong correlation	<i>v.</i> to indicate the truth or existence of something without referring to it
321. im_____ry pregnancy	<i>adj.</i> existing only in someone's mind
322. an_____or language	<i>n.</i> a person from whom one is descended; a forefather

ANSWERS: 311. imaginary, 312. edible, 313. dignify, 314. ecology, 315. engineer, 316. eliminate, 317. resistant, 318. flavor, 319. addition, 320. imply, 321. imaginary, 322. ancestor

323. al_____te stress

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

324. p__t control

n. a destructive insect or other animals that are harmful to crops, animals, or humans; someone or something that is annoying or troublesome

325. tr___e digits

adj. consisting of three items or people; three times as great or many

326. ex_____ve clubs

adj. not divided or shared with others

ANSWERS: 323. alleviate, 324. pest, 325. triple, 326. exclusive

Session 3: Fill in the Blanks

1. The endocrine function of the _____ involves the secretion of hormones such as insulin.
 - n.* a glandular organ in the digestive system that produces several important hormones, including insulin and glucagon, as well as digestive enzymes that help break down food in the small intestine

2. 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

3. He had an _____ shock after drinking large quantities of fruit juices.
 - n.* a hormone produced in the pancreas that controls the amount of sugar in the blood, or a similar artificial substance used for the treatment of diabetes

4. These economic activities had disastrous environmental _____.
 - n.* the outcome of a particular action or event, especially relative to an individual

5. Scientific knowledge will _____ significantly with the power of AI.
 - v.* to go or move forward; to develop in a positive way

6. He is a specialist in the _____ of aging.
 - n.* the branch of biology that studies genes, genetic variation, and heredity in organisms

7. Many people worry that the current real estate market is a _____ that could burst soon.
 - n.* a thin, round, and often transparent mass of gas that is surrounded by a thin layer of liquid; a state of economic or social prosperity that is unsustainable and eventually collapses

ANSWERS: 1. pancreas, 2. process, 3. insulin, 4. consequences, 5. advance, 6. genetics, 7. bubble

8. The _____ of the country is struggling due to the recent political instability.
- n.* the system by which a country or region produces manages, and distributes goods and services, including the money and finances involved in these activities; (of an airline) the lowest-priced, most basic option for seating in commercial travel
9. This company has an entire recycling _____ including major reprocessing plants.
- n.* a building or place that provides a particular service or is used for a particular industry
10. The deep sea _____ was unlike anything the scientists had ever seen before.
- n.* a living being, especially an animal
11. Advocates for legal reform hear less harsh words from their _____.
- n.* someone who expresses opinions about the quality of books, music, etc.
12. The doctor diagnosed the patient with _____ due to a lack of iron in their blood.
- n.* a medical condition in which the body lacks enough red blood cells or hemoglobin, causing fatigue, weakness, or difficulty breathing; a lack of vitality or liveliness in something
13. HIV is an example of an _____ disease.
- n.* a condition in which the immune system is not functioning properly, resulting in a decreased ability to fight off infections and diseases
14. Her response revealed _____ idiocy.
- adj.* unbelievable; enormous

ANSWERS: 8. economy, 9. facility, 10. creature, 11. critics, 12. anemia, 13. immunodeficiency, 14. incredible

15. _____ gas is used to inflate car tires because it does not react with rubber.
- n.* a chemical element with the symbol N and atomic number 7, which is a highly reactive element that forms part of many compounds, including amino acids and proteins
16. The vegetarian burger was an _____ that quickly spread to the United Kingdom.
- n.* the creation of a new device or process resulting from study and experimentation
17. The _____ will repair my telephone tomorrow morning.
- n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software
18. The native South American animals were in danger because of the _____ arrival.
- n.* an animal whose natural behavior is to prey on others
19. Certain types of _____ can be toxic to humans, causing severe illness if ingested.
- n.* a type of organism that includes yeasts, molds, and mushrooms, which are heterotrophic, meaning they do not produce their food and must consume organic matter to survive
20. Her culinary _____ helped her create an impressive menu for the party.
- n.* practical knowledge, skills, or experience in a particular field or area, often acquired through personal experience or training
21. As an _____ he had the right to make his own decisions and live his life as he saw fit.
- n.* a single person or thing, as distinct from a group

ANSWERS: 15. Nitrogen, 16. innovation, 17. engineer, 18. predator's, 19. fungus, 20. know-how, 21. individual,

22. 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

23. The _____ in a forest can be measured by collecting and weighing all living plants within a specific area.

- n.* the total quantity of living matter in a given unit of environment, including plants, animals, and microorganisms

24. Hydrogen and oxygen _____ to form water.

- v.* to join or merge to form a single thing or group

25. These articles cite five _____ of climate change.

- n.* a particular example or single occurrence of something

26. They opened a bottle of _____ to celebrate their success.

- n.* a type of sparkling wine produced in the Champagne region of France, or any similar wine produced elsewhere

27. Please _____ your sweat with this towel.

- v.* to clean or dry something by rubbing with a piece of cloth or paper or one's hand and removing dirt, food, or liquid

28. The global community is undergoing _____ changes at present.

- adj.* radical and extreme; likely to have a significant or far-reaching impact

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

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

ANSWERS: 22. planet, 23. biomass, 24. combine, 25. instances, 26. champagne, 27. wipe, 28. drastic, 29. revolution

30. People have been exploring ways to _____ natural forces and resources since ancient times.

- v.* to control and exploit the power of something, especially natural resources that produce energy; (noun) a set of narrow pieces of leather and metal that are used to control or hold in place a person, animal, or object

31. This bridge is the third largest _____ bridge in the world.

- n.* a strong metal alloy made up of iron with typically a few tenths of a percent of carbon used for making things that need a strong structure

32. The vaccine was developed using a _____ virus to stimulate an immune response.

- adj.* relating to a process in which DNA sequences from different sources are combined or rearranged to create new genetic material; an organism or gene that results from this process

33. The recent economic downturn has resulted in _____ layoffs.

- adj.* enormous amount; very heavy and solid

34. The protesters became _____ when the police tried to disperse them.

- adj.* involving or caused by physical force or aggression against someone or something

35. Sow early for an early _____.

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

36. The _____ spun an intricate web in the corner of the room.

- n.* a small, eight-legged creature that spins webs to catch insects as food; a computer program that systematically browses the World Wide Web for purposes of web indexing

ANSWERS: 30. harness, 31. steel, 32. recombinant, 33. massive, 34. violent, 35. crop, 36. spider

37. A stagnant water area are breeding ground for _____.
- n.* a small flying insect whose female bites people and animals and sucks their blood, and sometimes transmits serious diseases such as malaria
38. The _____ lobby changed the mindset of many conservative politicians.
- n.* a person who is concerned with and advocates for the protection of the natural environment
39. She drank water to _____ her body.
- v.* to add water or moisture to something; to drink enough fluids to maintain proper moisture; (noun) any compound that contains water of crystallization
40. 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
41. The _____ of the coffee was rich and full-bodied.
- n.* the taste sensation produced by a substance in the mouth
42. They needed further _____ to perform their duties efficiently.
- n.* detailed direction, order, etc., on how to do or use something
43. 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
44. The condo offers _____ access to the beach.
- adj.* not divided or shared with others

ANSWERS: 37. mosquitos, 38. environmentalist, 39. hydrate, 40. environment, 41. flavor, 42. instruction, 43. disease, 44. exclusive

45. I advised him to _____ to his new surroundings.

v. to make fit for or change to suit a new purpose or environment

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

adj. relating to or connected with chemistry;

47. 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

48. My hands felt _____ and sweaty during the exam.

adj. slightly wet, a state characterized by the presence of moisture or dampness

49. The general was still reluctant to _____ his troops in pursuit of an enemy.

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

50. The government should do more to support environmentally _____ agriculture.

adj. able to continue or be continued for a long time

51. The vaccination does not necessarily make you completely _____.

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

52. The blade of the _____ glinted in the sunlight as he swung it back and forth.

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

53. The path to a solid online _____ necessitates a high technical ability.

n. the fact or state that someone or something exists, occurs, or is present

ANSWERS: 45. adapt, 46. chemical, 47. yeast, 48. moist, 49. unleash, 50. sustainable, 51. immune, 52. sickle, 53. presence

54. It was the _____ of a dinosaur tooth.

- n.* any preserved remains, impression, or trace of any once-living thing that has become hard and turned into rock

55. Many people in this region have contracted _____ fever from mosquito bites.

- n.* a viral disease transmitted by mosquitoes, characterized by fever, severe joint and muscle pain, and a rash

56. Ethics deals with _____ conduct.

- adj.* concerned with the principles of what is right and wrong, fairness, honesty, etc.

57. We should do our best not to _____ the environment.

- v.* to make an area or substance, such as land, air, water, etc., dirty or harmful to living things by adding waste matter or harmful chemicals

58. Without investment, a business cannot _____.

- v.* to grow vigorously; to make steady progress

59. After his death, his sons _____ his business.

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

60. The farmer milked the _____ every morning before breakfast.

- n.* a domesticated mammal with characteristic features such as a hump, large udders, and curved horns that is raised for its milk or meat

61. He spent only a _____ of his earnings.

- n.* a small part or item forming a piece of a whole; the quotient of two rational numbers

ANSWERS: 54. fossil, 55. dengue, 56. moral, 57. pollute, 58. thrive, 59. inherited, 60. cows, 61. fraction

62. I found a stink ____ crawling across the ceiling.

n. any tiny insect; a fault or defect in a computer program, system, or machine

63. His coach is a _____ Olympic champion.

adj. consisting of three items or people; three times as great or many

64. "Awfully good" is an _____ that can be used to describe something that's both bad and good simultaneously.

n. a figure of speech that combines contradictory terms, such as "jumbo shrimp" or "deafening silence"

65. The ____ scarcity most severely impacted the manufacturing sector

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

66. We have to _____ our company's product lineup for further growth.

v. to consider again a plan, idea, etc., especially to change it

67. _____ a society is an organism.

adv. relating to the essential features or concepts of anything

68. We largely _____ the circuit board of cell phones because they contain a lot of valuable metals.

v. to sort and collect things to process them and produce valuable materials that can be used again

69. It's important to _____ other people's opinions and not dismiss them without consideration.

v. to make something worthy of respect or honor; to elevate or give importance to something that may otherwise be considered insignificant

ANSWERS: 62. bug, 63. triple, 64. oxymoron, 65. fuel, 66. rethink, 67. Essentially, 68. recycle, 69. dignify

70. _____ thrive on the surface of the human skin.

- n.* a tiny living thing that can only be seen with a microscope and that may cause disease

71. He found _____ in the warm embrace of his loved ones.

- n.* a state of physical ease and freedom from pain or constraint

72. Various artificially induced causes are _____ our ecosystem.

- v.* to utter intentions of injury or punishment against someone

73. He found that it is difficult to _____ socially.

- v.* to combine one thing with another so that they form a whole or work together;
to accept equal participation for members of all races and ethnic groups

74. We _____ a cease-fire.

- v.* to come to an end or close; to reach a judgment or opinion by reasoning

75. The development team reported two _____ increases in performance.

- adj.* a hundred times as great or as much

76. _____ advances have disrupted many industries.

- adj.* based on scientific and industrial progress

77. 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

ANSWERS: 70. Microbes, 71. comfort, 72. threatening, 73. integrate, 74. concluded, 75. hundredfold, 76. Technological, 77. develop

78. The senator received _____ criticism from his opponent.

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

79. Jockey's superior _____ brought him victory.

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

80. Many companies are now enthusiastically embracing the knowledge of _____ for sustainable development.

n. the study of the relationships between living organisms, including humans, and their physical environment

81. 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

82. _____ dropping wears away the stone.

adj. happening repeatedly or all the time

83. Driving is difficult for me because of my poor _____.

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

84. Their headquarters are in a _____ skyscraper.

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

85. This ad campaign is aimed _____ at young women.

adv. only associated with or meant for one thing

ANSWERS: 78. severe, 79. technique, 80. ecology, 81. molecule, 82. Constant, 83. vision, 84. modern, 85. specifically

86. In _____ private corporations provide healthcare services.

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

87. The _____ product was promptly recalled for safety reasons.

adj. having a flaw or fault that prevents proper functioning or usability; broken or imperfect in some way

88. Greed is the primary _____ in the making of criminals.

n. one of the things used to make something, especially one of the foods used to make a particular dish

89. The new washing machine is much more _____ than the old one.

adj. performing at the highest level of productivity with the least wasted effort or resources; capable of achieving maximum output with minimum wasted effort, time, or materials

90. Insects in urban areas are becoming _____ to insecticides.

adj. not affected by something, especially changes or new ideas; of or relating to immunity to disease or infection

91. _____ hyperglycemia is a trigger for a variety of serious diseases.

adj. being long-lasting and recurrent or characterized by long suffering; habitual

92. The new amusement park ride was _____ with twists, turns, and drops that left riders screaming with excitement.

adj. extremely good; excellent

93. This project has been _____ for several years.

adj. having started and currently in progress

ANSWERS: 86. addition, 87. defective, 88. ingredient, 89. efficient, 90. resistant, 91. Chronic, 92. fantastic, 93. underway

94. 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
95. The committee abolished the controversial _____ system.
n. an extra amount of money that is added to payment as a present or reward for good work
96. The process of _____ is used to make beer, wine, and many other products.
n. the chemical breakdown of a substance by bacteria, yeasts, or other microorganisms, typically involving effervescence and the giving off of the heat
97. I will introduce you to how to _____ the leading causes of the malfunction.
v. to recognize someone or something and say or prove who or what they are
98. Nitrogen fixation by the Haber-Bosch method leads to the mass production of _____.
n. a natural or chemical substance added to soil to make plants grow more successfully
99. Little children tend to have _____ friends.
adj. existing only in someone's mind
100. The gardener used natural methods to keep _____ away from her plants.
n. a destructive insect or other animals that are harmful to crops, animals, or humans; someone or something that is annoying or troublesome
101. I need to go to the hospital _____ to pick up my prescription.
n. a place where medicines are prepared and dispensed; a drugstore or chemist's

ANSWERS: 94. biology, 95. bonus, 96. fermentation, 97. identify, 98. fertilizers, 99. imaginary, 100. pests, 101. pharmacy

102. Sometimes it is challenging to _____ science and religion.

- v.* to find a way of dealing with two or more ideas, needs, etc. that are opposed to each other to agree and coexist

103. My father was tested for _____.

- n.* a medical condition in which the body cannot produce enough insulin to control the glucose levels in the blood

104. Animal protection groups call for an end to animal testing in a _____.

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

105. Anesthetize the gum before _____ the teeth.

- n.* a short passage taken from a book, piece of music, etc.; a substance obtained from something through a specific process; (verb) to obtain from something or to remove something by effort or force

106. Taking ibuprofen can _____ the pain from a headache.

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

107. Try to keep a _____ between work and off.

- n.* a condition in which everything has the same weight or force; something left after other parts have been taken away

108. _____ 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

109. The painting's _____ composition and balance of colors made it a masterpiece.

- adj.* characterized by harmony or agreement; free from conflict or disagreement; pleasing or soothing in sound or tone

ANSWERS: 102. reconcile, 103. diabetes, 104. laboratory, 105. extracting, 106. alleviate, 107. balance, 108. Bacteria, 109. harmonious

110. Babies heavily _____ on others for food.
v. to require a specific thing or the assistance and support of someone or something to continue, run properly, or succeed.
111. These gas nebulas are merely newborn galactic _____.
n. the most essential or fundamental part of something
112. My remote _____ immigrated to the United States from Ireland in the 1800s.
n. a person from whom one is descended; a forefather
113. This company has invested heavily in Internet _____.
n. the activity of buying and selling things, especially on a large scale
114. She _____ her hair purple for a change.
v. to color a textile or hair by immersing it in a colored liquid or substance
115. Native people have been cultivating _____ for food for thousands of years.
n. a wild grass of Mexico and Central America, from which maize or corn is believed to have been domesticated
116. Shark liver oil is a common source of _____ supplements.
n. a type of lipid or fat that is produced by the body and plays a role in various biological processes, particularly in skin health and immunity
117. Many people in tropical countries die from _____ every year.
n. a severe disease caused by a parasite that is spread by the bite of an infected mosquito
118. The company reached the _____ of success in the market.
n. the highest point or tip of something

ANSWERS: 110. rely, 111. cores, 112. ancestor, 113. commerce, 114. dyed, 115. teosinte, 116. squalene, 117. malaria, 118. apex

119. We can _____ this possibility from those consumptions.

v. to remove or get rid of someone or something

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

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

121. It is _____ for politicians to be effective communicators.

adj. very important or requiring attention or action

122. The researchers try to discover a common _____ in all types of successful organizations.

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

123. Breast _____ is the most common type of cancer in women.

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

124. The different species can _____ in the same ecosystem by filling different niches and using different resources.

v. to live or exist together at the same time in the same place

125. Shame and _____ have significant social influences.

n. the fact of having committed something illegal; the negative feelings caused by believing or knowing that you have done something wrong

126. The _____ of freshly baked bread filled the bakery.

n. a distinctive smell, especially a pleasant one

ANSWERS: 119. eliminate, 120. Algae, 121. imperative, 122. component, 123. cancer, 124. coexist, 125. guilt, 126. scent

127. The _____ at the airport is where passengers catch their flights.
- n.* a building or place where buses, trains, or airplanes stop and where passengers or goods can be picked up or dropped off; (adjective) of or situated at the ends of a delivery route
128. The woods _____ the house.
- v.* to accept something willingly and enthusiastically; (noun) the act of clasping another person in the arms as in greeting or affection
129. He created a beautiful piece of music using only _____.
- n.* the act of making something up on the spot or creating or performing something without preparation
130. We worked in perfect _____.
- n.* the combination of simultaneous musical notes to produce a pleasing effect; an attractive combination of related things and their properties
131. Each department has done its product costing _____.
- adv.* separately or apart from others
132. _____ diamonds play an essential role as machine tool blades.
- adj.* made by combining chemical substances as opposed to being naturally occurring
133. How did he _____ to your idea?
- v.* to take action in response to something
134. The majority of synthetic vitamins are _____ from oil.
- v.* to make goods in large numbers, usually in a factory using machines

ANSWERS: 127. terminal, 128. embrace, 129. improvisation, 130. harmony, 131. individually, 132. Synthetic, 133. react, 134. manufactured

135. The _____ of the roses filled the air and brought a smile to my face.

n. a pleasant or sweet smell, especially one that is natural to a particular substance

136. The castle was _____ several years later.

v. to leave a place, thing, or person with no intention of returning; (noun) a feeling of extreme emotional intensity

137. The European Central Bank is Europe's _____ of the Federal Reserve.

n. having the same value, quality, meaning, purpose, etc.

138. Our world is in the third _____.

n. a span of 1000 years, or the 1000th anniversary (plural: millennia)

139. I made sure to pick only _____ mushrooms for our dinner.

adj. fit or safe to be eaten; able to be consumed as food

140. We combust _____ and other fossil fuels to generate electricity.

n. a combustible black or brownish-black sedimentary rock that is found below the ground and burnt to produce heat

141. The patient will undergo _____ transplant surgery tomorrow.

n. a large organ in the body, involved in many metabolic processes, such as detoxification of the organism, and the synthesis of proteins

142. I love eating fresh _____ for breakfast.

n. tropical fruit with a soft orange or yellow flesh and black seeds, often used in salads, smoothies, and other culinary dishes for its sweet and slightly tangy flavor

ANSWERS: 135. fragrance, 136. abandoned, 137. equivalent, 138. millennium, 139. edible, 140. coal, 141. liver, 142. papaya

143. 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
144. I will work hard to _____ my goals and realize my dreams.
v. to successfully complete a task or goal, often through hard work, perseverance, and dedication; to attain or accomplish something that one has set out to do
145. mRNA vaccines are approved faster because they do not contain inactivated _____.
n. a bacterium, virus, or other microorganism that causes disease
146. She had many good _____ and few faults.
n. high moral standards in behavior or attitudes
147. She intends to _____ a political career.
v. to do something or attempt to attain something over time; to follow or seek someone or something, especially in trying to catch them
148. She wore a _____ dress to the party.
n. a fine, strong, soft, lustrous fiber produced by silkworms in making cocoons and collected to make thread and fabric
149. It's important to _____ your strengths and weaknesses.
v. to acknowledge or realize something or someone; to identify, remember, or become aware of something that was previously known or encountered
150. The patient was diagnosed with a rare genetic _____.
n. a group of signs and symptoms that occur together and are characteristic of a particular condition or disorder

ANSWERS: 143. genetic, 144. achieve, 145. pathogens, 146. virtues, 147. pursue, 148. silk, 149. recognize, 150. syndrome

151. The radical _____ predicted that virtual reality would become a standard in everyday life.
- n.* a person who studies or predicts trends and developments, particularly in science, technology, or social systems, to anticipate what the future may hold
152. The salespeople speak in technical terms to _____ that they are more knowledgeable than the customer.
- v.* to indicate the truth or existence of something without referring to it
153. Eventually, the new design will _____ all older models.
- v.* to take the place of something
154. He borrowed money from a loan _____.
- n.* a long-bodied, mostly predatory marine fish that has sharp teeth and a pointed fin on its back; a person who is ruthless, greedy, and dishonest
155. 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
156. The golfer recorded an _____ distance.
- adj.* extremely surprising, especially in a way that you like or admire
157. The detective discovered that the witness had _____ her story about the crime.
- v.* to make something, especially by assembling parts or constructing it from raw materials; to invent and present something false as true or real to deceive someone
158. We want to _____ ties between our two countries.
- v.* to make or become better

ANSWERS: 151. futurist, 152. imply, 153. replace, 154. shark, 155. carbon, 156. amazing, 157. fabricated, 158. improve

159. The _____ index tracks the performance of multiple stocks in the same sector.

adj. made up of different parts, elements, or substances; (noun) something made from two or more different substances

160. The dough was left to _____ overnight to give the bread its distinctive flavor.

v. to experience a chemical change or action that results in the production of alcohol or effervescence of gases; (noun) a state of agitated activity or change, especially in the context of social or political movements

161. Let's try to _____ a bit of enthusiasm into your performance.

v. to put a liquid such as a drug or other substance into a person's or an animal's body using a needle and syringe (= small tube)

162. She wore her favorite pair of _____ to the party.

n. a sturdy cotton twill fabric, typically blue, used for jeans and other clothing

163. This device is used to _____ brain cancer and other tumors.

v. to determine or distinguish the nature of a problem or an illness through a careful analysis

ANSWERS: 159. composite, 160. ferment, 161. inject, 162. jeans, 163. diagnose