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Vocabulary Builder Reference from...

Jonathan Trent: Energy from floating algae pods | TED Talk

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

All Words

IMPORTANT

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Session 1: Word List

possibility

n. a chance that something may happen or be true
synonym: chance, prospect, likelihood

(1) **possibility** for growth, (2) **possibility** of a major earthquake

The **possibility** of getting the disease will drastically increase.

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.

biofuel

n. a fuel produced from organic matter, such as crops or waste material, that can be used to replace or supplement traditional fossil fuels

synonym: renewable energy, green fuel, alternative fuel

(1) **biofuel** production, (2) **biofuel** technology

The airplane was powered by a **biofuel** made from

plant-based materials.

compete

v. to strive to achieve more success than someone or something

synonym: contend, contest, vie

(1) **compete** against a friend, (2) **compete** fiercely

You must **compete** with others to obtain this position.

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

agriculture

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

synonym: farming, husbandry, agribusiness

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

Agriculture is the foundation of our economy.

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**.

enclosure

n. a wall, fence, or other barriers that surround an area, keeping it separate and protected

synonym : compartment, partition, wall

(1) the **enclosure** of a city, (2) **enclosure** gate

The **enclosure** held several exotic animals, including lions and tigers.

underwater

adv. below or under the surface of the water

synonym : submerged, undersea, submarine

(1) hold my breath **underwater**, (2) seals sleep **underwater**

He is good at swimming **underwater**.

wastewater

n. water that contains waste substances from homes, farms, factories, etc.

synonym : drainage, sewerage

(1) **wastewater** disposal equipment, (2) biological **wastewater**

As that country developed its industry, it began to invest more in **wastewater** treatment technology.

microalga

n. a microscopic species of algae that are often used for their high nutritional value, particularly as a source of protein or for the production of biofuels

synonym : microscopic algae, phytoplankton, seaweed

(1) **microalga** biomass, (2) **microalga** cultivation

Some types of **microalgae** are used in the production of biofuels due to their ability to convert sunlight into energy.

flexible

adj. able to change or be changed to suit new conditions or situations; able to bend easily

synonym : adaptable, elastic, pliable

(1) **flexible** schedules, (2) a **flexible** wire

You can be more **flexible** and creative in your approach.

solar

adj. of, from, or relating to the sun

(1) the **solar** system, (2) a **solar** eclipse

Solar panels have greatly improved not only in performance but also in durability.

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.

oxygen

n. the chemical element with the symbol O that is present in air and water and is necessary for people, animals, and plants to live

(1) the hydrogen binds the **oxygen**, (2) lack of **oxygen**

The passenger grabbed for the **oxygen** mask.

container

n. a receptacle or object used to hold, store, or transport something; a large standardized metal box that is used for transporting goods by sea or land

synonym: receptacle, holder, vessel

(1) plastic **container**, (2) **container** ship

The restaurant uses large **containers** to store its food ingredients.

distribute

v. to give something to a large number of individuals, or to spread or furnish something

synonym: broadcast, disperse, hand out

(1) **distribute** wealth evenly, (2) **distribute** video content

His estate was **distributed** to his sons.

surrounding

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

synonym: circumferent, encircling, neighboring

(1) **surrounding** areas, (2) a fence **surrounding** a castle

The **surrounding** mountains make the city difficult to be invaded.

harvest

n. yields of plants in a single growing season; the period of the year when gathering occurs on a farm

synonym: crop, reaping, yield

(1) a scanty **harvest**, (2) reap a **harvest**

During **harvest**, farmers are incredibly busy.

cosmetic

adj. relating to treatment aimed at restoring or improving a person's appearance and attractiveness; (noun) a substance that you put on your face or body to enhance its appearance and make it more attractive

synonym: adorning, embellishing, ornamental

(1) minor **cosmetic** changes, (2) **cosmetic** fenders on cars
Cosmetic surgery is becoming more common in Asia due to lowering prices.

stakeholder

n. a person or group that has an interest or concern in something, especially a business

synonym: shareholder, interested party

(1) **stakeholder** engagement, (2) improve **stakeholder** relations

The organization held **stakeholder** consultations to gather input on the project.

fishery

n. an area of water where fish are caught in large quantities for living; a business or practice of catching and selling fish

synonym: fishing, piscary, angling

(1) **fishery** management, (2) commercial **fishery**

The majority of the people on the island are **fishery** folk.

importance

n. the quality of being important and worthy of note

synonym: significance, primacy, matter

(1) a man of **importance**, (2) high **importance**

I stopped by the branch though I have no business of **importance**.

potentially

adv. in a possible state or condition; possibly

synonym: likely, possibly, probably

(1) **potentially** affected, (2) **potentially** lucrative

The organization assisted in the de-escalation of **potentially** violent situations.

alternative

n. one of two or more available possibilities or choice
synonym : choice, option

(1) an **alternative** plan, (2) there is no other **alternative**
Doctors are gradually coming around to the idea of using **alternative** medicines.

liquid

n. a substance, such as water or oil that flows freely and is neither a solid nor a gas
synonym : fluid

(1) colorless **liquid**, (2) hazardous **liquid**
The sponge takes up the **liquid** well.

graph

n. a picture consisting of a line, lines, points, etc., that shows how two or more sets of certain quantities are related to each other
synonym : chart, diagram, figure

(1) **graph** theory, (2) a **graph** sample
This bar **graph** shows sales over the past five 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**.

soybean

n. a legume crop widely cultivated for its nutritious seeds, often ground into meal or pressed into oil for food products, with other uses including animal feed, fuel, and industrial applications
synonym : soya, edamame

(1) **soybean** oil, (2) **soybean** production
The farmer harvested his **soybean** crop and took it to market.

gallon

n. a unit for measuring volume, in the US, it is equal to about 3.79 liters, and in the UK, Canada, and other countries, it is equal to about 4.55 liters

(1) 5- **gallon** square can, (2) ten- **gallon** hat

The imperial **gallon** was standardized legally by the British Empire.

acre

n. a unit of land area in the US Customary System and the British Imperial System, equal to 4,840 square yards (= 4,047 square meters)

(1) half- **acre** parcel, (2) an **acre** of forest

The farm covers over 200 **acres** of land.

sunflower

n. a plant with large, round flower heads that have bright yellow petals and a dark center, grown for its edible seeds and oil, as well as for decorative purposes

synonym : helianthus

(1) **sunflower** oil, (2) **sunflower** field

The **sunflower** seeds can be roasted and eaten as a snack.

canola

n. a type of oilseed plant that belongs to the cabbage family, characterized by its yellow flowers and green pods; the oil extracted from the seeds of this plant, often used for cooking and as an ingredient in various products

synonym : rapeseed, oilseed

(1) **canola** fields, (2) **canola** crop

Canola oil is a popular choice for cooking due to its low saturated fat content.

jatropha

n. a genus of plants in the spurge family, including the species *Jatropha curcas*, whose seeds yield a vegetable oil used in the production of biodiesel fuel

(1) **jatropha** seed, (2) **jatropha** biofuel

Jatropha oil can be processed into biodiesel for use in vehicles and machinery.

palm

n. the inner surface of the hand from the wrist to the base of the fingers; any plant of the family *Palmae* having an unbranched trunk crowned by large pinnate or palmate leaves

synonym :

hand, fist

(1) the **palm** side of the forearm, (2) coconut **palm** trees
This high-performance camera is compact enough to fit in the **palm** of your hand.

contribute

v. to give something, especially money or goods, to provide or achieve something together with other people
synonym: donate, devote, commit

(1) **contribute** a large sum of money to the fund,
(2) **contribute** to society

Government workers cannot **contribute** to political campaigns.

soy

n. a legume plant that is widely cultivated for its edible bean, which has many uses, such as for oil, food, and animal feed

(1) **soy** allergy, (2) **soy** milk

Many people use **soy** sauce for sushi, stir-fries, and marinades.

micro

n. extremely small in scale or scope; one millionth

(1) **micro** bubble, (2) **micro** force sensor

This approach employs both **micro** and macro analysis methods.

extreme

adj. very great in amount or degree

synonym: farthestmost, outermost, fierce

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

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

organism

n. a tiny living thing

synonym: being, creature

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

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

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.

offshore

adj. situated at or happening in the sea, not far from the shore or land; (of winds) coming from the land

synonym : seaward, alongshore

(1) an **offshore** oil field, (2) an **offshore** fund

The company undertakes **offshore** development for software companies in many countries.

treatment

n. the way in which someone deals with or behaves towards someone or something; medical care provided to a patient for an injury or illness.

synonym : remedy, antidote, medicine

(1) first-aid **treatment**, (2) **treatment** by diet

The primary purpose of the **treatment** is pain relief.

embedded

adj. fixed firmly into the surface of something

synonym : ingrained, implanted, inserted

(1) **embedded** systems, (2) LED- **embedded** glass

The **embedded** chip in my credit card allows me to make contactless payments.

sewer

n. an underground system of pipes used to carry away sewage and wastewater

synonym : drain, pipeline, conduit

(1) **sewer** device, (2) **sewer** system

The city is upgrading its **sewer** system to prevent flooding during heavy rain.

release

v. to set free or allow to escape from confinement

synonym : free, let go, discharge

(1) **release** a prisoner, (2) **release** CO2 into the air

The animal rights group worked to **release** the dolphins back into the wild.

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.

adequate

adj. enough, acceptable, satisfactory for a particular purpose or need

synonym : enough, acceptable, able

(1) **adequate** parking facilities, (2) provide **adequate** funding

This argument is still not **adequate**.

envision

v. to imagine or expect what a situation will be like in the future

synonym : anticipate, foresee, picture

(1) **envision** the future, (2) **envision** the project's success

We cannot **envision** her as President.

omega

n. the last (24th) letter of the Greek alphabet; the ending of a series or sequence

(1) **omega-3** fat, (2) from alpha to **omega**

Omega-3 fatty acids are a type of polyunsaturated fat that is important for heart health.

acronym

n. a word formed from the first letter of each word in a phrase, such as NASA (National Aeronautics and Space Administration) or AIDS (Acquired Immune Deficiency Syndrome)

synonym : abbreviation, initialism, shortcut

(1) **acronym** definition, (2) use an **acronym**
RADAR is an **acronym** for radio detection and ranging.

membrane

n. a soft, thin layer that forms animal or vegetable tissue
synonym: tissue layer

(1) cell **membranes**, (2) nuclear **membrane**
Loud noises might harm the fragile ear **membrane**.

structure

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

synonym: construction, architecture, establishment

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

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

nutrient

n. any substance that is essential for the maintenance and growth of living things

synonym: food, vitamin

(1) **nutrient** medicine, (2) a **nutrient** for hair

They used fast-acting **nutrients** on the flowers in the flower beds.

sequester

v. to take temporary possession of someone's property until a debt is paid.

synonym: isolate, set apart, segregate

(1) **sequester** ten percent of the annual carbon emissions,

(2) **sequester** myself from the world

He approved their requests to **sequester** the jury.

atmosphere

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

synonym: air, ambiance, circumstances

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

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

greenhouse

n. a building with walls and roof made chiefly of transparent material, such as glass, for growing plants in
synonym: conservatory

(1) exotic plants in a **greenhouse**, (2) emissions of **greenhouse** gases

The **greenhouse** effect is a phenomenon that happens naturally.

temperature

n. the degree of hotness or coldness of a thing or place
synonym: climate, warmth, degree

(1) extreme **temperatures**, (2) the atmospheric **temperature**

Cities around the world set records for highest **temperatures** this summer.

mention

v. to speak or write about something or someone briefly
synonym: reference, allude, cite

(1) **mention** name, (2) **mention** in a report

I **mentioned** to him that I had seen his sister at the grocery store earlier that day.

modular

adj. consisting of distinct or separable parts or units that can be joined together and form a complete whole

synonym: interchangeable, standard, transposable

(1) build a **modular** system, (2) **modular** furniture

Computers have a **modular** structure, making it easy to upgrade essential functions.

unexpected

adj. not anticipated or regarded as likely to happen

synonym: surprising, unanticipated, incredible

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

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

module

n. a self-contained unit or component of a larger system or structure; a standardized unit of computer hardware or software designed to perform a specific function

synonym: component, unit, segment

(1) **module** software, (2) audio **module**

I must install a new programming **module** for my computer program to function properly.

leak

v. to allow liquid or gas to get in or out from a hole or crack in a pipe or container

synonym: outflow, divulge, disclose

(1) **leak** data, (2) **leak** a classified memo

He **leaked** serious accounting irregularities that only people in the company's executive could know.

strike

v. to wallop somebody or something with the hand, fist, or weapon; to have an emotional or cognitive impact upon

synonym: hit, impact, influence

(1) **strike** up a conversation, (2) **strike** a blow

We **strike** to achieve more wages and safer working conditions.

lightning

n. a flash, or several flashes, of light that accompanies an electric discharge in the atmosphere, or something resembling such a flash

synonym: bolt, electrical discharge

(1) streaks of **lightning**, (2) **lightning** air strike

The human eye is **lightning-fast** in recognizing objects.

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**.

biodegrade

v. to decay naturally by microorganisms, such as bacteria and fungi

(1) **biodegrade** by the microorganism, (2) bioplastic designed to **biodegrade**

The company's plastic products are easily **biodegraded** thanks to a unique manufacturing process.

rebuild

v. to build again or anew

synonym: reconstruct, renovate, restore

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

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

reuse

v. to use something again or more than once

synonym: reprocess, recycle, rehash

(1) **reuse** the materials, (2) **reuse** existing knowledge

The supermarket encourages shoppers to **reuse** plastic bags.

recover

v. to return to a former condition, health, mind, or strength

synonym: come back, convalesce, heal

(1) **recover** a loss, (2) **recover** approval ratings

She is still **recovering** from a shot to her shoulder.

seaweed

n. a plant that grows in the sea or on land very close to the sea, especially marine algae

synonym: kelp, algae

(1) floating **seaweed**, (2) **seaweed** broth

She soaked **seaweed** in water until tender.

enhance

v. to increase or improve the quality, amount, or strength of someone or something

synonym: improve, enrich, refine

(1) **enhance** value, (2) **enhance** the flavor of the vanilla

The new strategy will **enhance** the profitability of our company.

marine

adj. relating to the sea and the creatures and plants that live there

synonym: sea-dwelling, maritime, aquatic

(1) **marine** insurance, (2) variety of **marine** life

Seals and whales are **marine** animals beloved by the people.

habitat

n. the type of natural environment in which an organism or group usually lives or occurs

synonym: dwelling, environment, home ground

(1) a marine **habitat**, (2) threatened **habitat**

The **habitat** of this bird is freshwater areas and saltwater marshes.

biodiversity

n. the number and variety of plants and animals that exist in a particular area or the world and make a balanced environment

(1) **biodiversity** conservation, (2) loss of **biodiversity**

The country was instrumental in promoting the **biodiversity** treaty.

aquaculture

n. the cultivation of aquatic organisms such as fish, seaweed, and shellfish for human consumption, as well as for environmental conservation and research purposes

synonym: fish farming, mariculture, hydroponics

(1) **aquaculture** industry, (2) sustainable **aquaculture**

Fish farming is a form of **aquaculture** that has recently gained popularity.

probable

adj. likely to happen or likely to be true

synonym: likely, possible, potential

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

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

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**.

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.

seawater

n. water from the sea or ocean, typically containing salt and various other dissolved minerals

synonym : saltwater, brine, ocean water

(1) **seawater** pollution, (2) **seawater** bacteria

The desalination plant turned **seawater** into drinking water through a complex process.

experiment

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

synonym : experimentation, investigation

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

His **experiments** showed highly positive results.

moss

n. a small, soft plant that grows in a low, compact layer, often on the ground or on rocks

synonym : plant, foliage, greenery

(1) green **moss**, (2) **moss** garden

Moss grows in damp, shaded areas and is often found on the forest floor.

landing

n. the act of coming to rest on the ground or another surface after being in flight or jumping; a platform or area of ground where a plane or spacecraft can come to rest

synonym : touchdown, arrival, descent

(1) **landing** gear, (2) emergency **landing**

The plane made a rough **landing**, and everyone clapped once we came to a stop.

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

synonym: workshop, laboratory, research chamber

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

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

bay *n.* a part of the coast that is partially enclosed by land; a compartment or section of a ship or building

synonym: inlet, cove, gulf

(1) **bay** area, (2) the mouth of a **bay**

She walked along the **bay** and collected shells.

harbor *n.* an area of water next to the coast where ships and boats are protected from rough water by piers, jetties, and other artificial structures; (verb) keep in one's possession

synonym: port, dock, pier

(1) a sheltered **harbor**, (2) **harbor** a resentment

The tsunami swamped every boat in the **harbor**.

skunk *n.* a small, carnivorous mammal known for its black and white striped fur and its ability to release a strong, foul-smelling odor from its anal glands when threatened; (skunk works) a group within an organization that is given a high degree of autonomy and is unhampered by bureaucracy

(1) **skunk** works project, (2) striped **skunk**

The **skunk** smell lingered in the backyard long after the creature had left.

weld *v.* to join two or more pieces of metal together by heating their edges until they melt and fuse

synonym : fuse, join, bond

(1) **weld** a team of such people, (2) **weld** two broken pipes
He learned how to **weld** metal in his high school shop class.

monitor

v. to observe, check, and track the progress or quality of something over a period of time

synonym : proctor, check, observe

(1) **monitor** an exam, (2) **monitor** the data carefully
They used a special receiver to **monitor** police radio channels.

survive

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

synonym : endure, persist, stay

(1) **survive** a blizzard, (2) **survive** a plane crash
These birds can only **survive** in temperate climates.

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**.

feat

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

synonym : achievement, accomplishment, exploit

(1) intellectual **feat**, (2) **feat** accomplishment
It is an incredible **feat** to climb Mount Everest, the highest mountain in the world.

bioreactor

n. a device or system used to cultivate living cells, tissues, or organisms for industrial or research purposes

synonym : fermenter

(1) **bioreactor** engineering, (2) anaerobic **bioreactor**
The scientists optimized the conditions in the **bioreactor** to increase the yield of the desired product.

inexpensive

adj. costing little; having a low price

synonym : cheap, affordable, economical

(1) **inexpensive** option, (2) an **inexpensive** inn

The restaurant offered delicious food at an **inexpensive** price.

horrible

adj. extremely unpleasant or bad; causing fear or disgust

synonym : dreadful, terrible, awful

(1) **horrible** accident, (2) **horrible** smell

The experience was **horrible** and left a lasting impression.

circulate

v. to move continuously or freely around a place or closed system

synonym : flow, disperse, rotate

(1) **circulate** a rumor, (2) **circulate** an agenda before the meeting

The fan **circulates** the air in the room quickly.

tube

n. a cylindrical container of metal, plastic, glass, etc., usually sealed and used as a means of preserving food or chemicals; a hollow cylindrical shape

synonym : pipe, hose, duct

(1) a capillary **tube**, (2) a glass **tube**

The **tube** train was packed with commuters during rush hour.

sunlight

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

synonym : daylight, rays, sunshine

(1) a glare of **sunlight**, (2) in direct **sunlight**

Radiation from **sunlight** has a different wavelength.

suffocate

v. to die or cause someone to die from lack of air or inability to breathe; to be overwhelmed or constricted by a feeling or situation, such as anxiety or oppression

synonym : choke, smother, stifle

(1) **suffocate** to death, (2) **suffocate** fire

People can **suffocate** from a lack of oxygen in confined

spaces.

problematic

adj. full of difficulties; difficult to deal with or solve
synonym : inappropriate, inconvenient, worrisome

(1) a **problematic** situation, (2) seems to be highly **problematic**

Direct democracy is effective in quickly resolving **problematic** situations within a community.

column

n. one of the vertical blocks that split content on a page or screen from top to bottom; an upright pillar that often supports an arch, entablature, or other structure or stands alone as a monument

synonym : line, pillar, cue

(1) the spinal **column**, (2) a **column** of water

The newspaper devoted several **columns** to the affair.

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.

prototype

n. a first or preliminary example of something such as a device or vehicle from which other forms are developed

synonym : mock-up, precursor, model

(1) complete a **prototype** product, (2) early **prototype**

The flying car is presently in the **prototype** stage.

attempt

n. an act or effort of trying to do something, especially something difficult

synonym : endeavor, effort, try

(1) the **attempt** to rescue the hostages, (2) a reckless **attempt**

The third **attempt** was far more successful.

install

v. to fix furniture, a machine, or a piece of equipment into position so that it can be used; put into an office or a position

synonym: establish, inaugurate, lodge

(1) **install** a door, (2) **install** a chairperson

The new president was **installed** immediately after the national election.

settle

v. to reach an agreement of disagreement

synonym: inhabit, occupy, decide

(1) **settle** a dispute, (2) **settle** down in the town

I don't want to **settle** for second best.

accumulate

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

synonym: amass, stash, earn

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

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

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.

context

n. the circumstances, facts, or conditions that surround a particular event, situation, or statement and that give it meaning

synonym: background, setting, environment

(1) historical **context**, (2) legal **context**

It's important to understand the **context** of a situation before making a decision.

concentration

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

synonym : attention, engagement, assiduity

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

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

procedure

n. a way of doing something, especially the official or well-known way

synonym : action, approach, course

(1) undergo a surgical **procedure**, (2) standard **procedure**

The pilot and flight attendant ran through the check-out **procedure**.

skim

v. to read something quickly to get a general idea of its contents; to remove any unwanted or unnecessary material from the surface of a liquid; to glide smoothly or briefly over a surface

synonym : glance, scan, skitter

(1) **skim** off the top, (2) **skim** the surface of the water

I like to **skim** the newspaper headlines in the morning to catch up on the news.

investigate

v. to conduct a systematic or formal inquiry to identify and evaluate the facts of a crime, problem, statement, etc. to establish the truth

synonym : examine, analyze, look into

(1) **investigate** the matter, (2) **investigate** a data leak

The committee **investigated** several apparent inconsistencies.

overgrown

adj. covered in plants that have been allowed to grow naturally and have not been controlled

synonym : leafy, lush, verdant

(1) an **overgrown** garden, (2) **overgrown** child

The wooden gate had been damaged, and the hedge had become **overgrown**.

seabird

n. a bird species that spends much of its life on or near the sea, often feeding on fish and other marine animals

synonym : seafowl, oceanic bird

(1) **seabird** migration, (2) **seabird** nesting

The fishermen were alarmed to see a flock of **seabirds** circling above the water.

mammal

n. any animal of which the female gives birth to live young, not eggs, and feeds her young on milk from her own body

(1) a primitive **mammal**, (2) a sort of **mammal**

Marine **mammal** populations are declining worldwide due to ocean pollution.

interact

v. to communicate or react with somebody

synonym : cooperate, combine, collaborate

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

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

otter

n. a semiaquatic mammal with a sleek, streamlined body, short legs, webbed feet, and dense, soft fur, found in and around freshwater and coastal areas

(1) **otter** in the river, (2) sea- **otter** fur

The playful **otter** swam around the river, diving in and out of the water.

incredibly

adv. in a way that is very difficult to believe; exceedingly or extremely

synonym : enormously, exceptionally, extraordinarily

(1) **incredibly** cheerful character, (2) get **incredibly** insecure

Several cities are experiencing **incredibly** high unemployment rates.

hire

v. to give somebody a job

synonym : employ, engage, lease

(1) **hire** a guide, (2) **hire** a car by the hour
We should always be prepared to **hire** talented recruits.

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.

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.

enormous

adj. extremely large or great
synonym: huge, giant, gigantic

(1) **enormous** amount, (2) **enormous** potential
Shakespeare's output of poetry was **enormous**.

ultimate

adj. furthest or highest in degree or order
synonym: highest, maximum, foremost

(1) the **ultimate** goal in life, (2) the **ultimate** luxury
Management must take **ultimate** responsibility for the accident.

economics

n. the branch of social science that deals with the production, consumption, and transfer of goods and services
synonym: social science, finance, business

(1) welfare **economics**, (2) **economics** professor
His class will cover an introduction to agricultural **economics**.

operate

v. to work in a particular way; to supervise something
synonym: work, use, employ

(1) **operate** 24 hours a day, (2) manually **operate** a

machine

This machine is too difficult to **operate** for me.

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.

conception

n. a general idea or belief of what something or someone is like or should be; an understanding of a situation or a principle

synonym: notion, abstraction, cogitation

(1) a grand **conception**, (2) the **conception** of the good
I have no **conception** of what you intend.

background

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

synonym: ground, experience, backdrop

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

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

flue

n. a pipe or tube used to remove smoke, gas, or hot air from a fire, heater, or oven

synonym: chimney, duct, vent

(1) **flue** boiler, (2) chimney **flue**

The smoke filled the room because the **flue** pipe had jammed.

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.

photovoltaics

n. a branch of technology that involves the conversion of sunlight into electricity using solar cells or other photoelectric devices; the generation of electricity directly from sunlight, typically using solar panels

synonym : solar cells, solar power

(1) **photovoltaics** recycling initiatives, (2) **photovoltaics** system

The development of thin-film **photovoltaics** has allowed for a wider range of applications in building design.

panel

n. a square or rectangular and flat piece of something that forms a distinct section or component of something; a small group of specialists who discuss particular topics or give their advice or opinion about something

synonym : board, commission, discussion

(1) **panel** discussion, (2) cost of solar **panels**

A **panel** of economic advisers from the United States visited the country to help rebuild its economy.

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.

shellfish

n. water creatures that live in shells, especially one of the types that can be eaten

synonym : clam, mollusk

(1) **shellfish** allergy, (2) edible **shellfish**

Shellfish can cause allergic reactions in certain people.

mussel

n. a type of shellfish that lives in freshwater or saltwater has a hard, elongated shell and is edible

synonym : clam, oyster, bivalve

(1) **mussel** shells, (2) **mussel** cultivation

I ordered the **mussels** in a white wine sauce for dinner.

scallop

n. a marine bivalve mollusk that typically has a fluted fan-shaped shell

synonym : pecten, coquille

(1) a **scallop** shell, (2) giant **scallop**

The **scallop** dish was a popular menu item at the seafood restaurant.

oyster

n. a bivalve mollusk with a rough irregular shell, often eaten raw or cooked, and sometimes used as a pearl-producing animal or a source of mother-of-pearl

synonym : shellfish, clam, mussel

(1) **oyster** shell, (2) **oyster** farm

I ordered a dozen **oysters** as an appetizer at the seafood restaurant.

competitive

adj. involving competition or competitiveness

synonym : aggressive, ambitious, militant

(1) a **competitive** price, (2) **competitive** position

The mobile application industry is a **competitive** one.

reputation

n. the general opinion that people have about someone or something, especially when this is based on their previous experiences or behaviors

synonym : fame, standing, esteem

(1) **reputation** risk, (2) cloud his **reputation**

She has a good **reputation** for being one of the best chefs in the city.

cradle

n. a small bed for an infant, often designed to rock back and forth; a place or region where something begins or originates

synonym : infancy, beginning, origin

(1) from the **cradle** to the grave, (2) **cradle** of civilization
The baby peacefully slept in her **cradle**, surrounded by stuffed animals and blankets.

mulch

n. a protective covering, often made of organic materials such as wood chips, straw, or leaves, applied to the soil around plants to suppress weed growth, retain moisture, and provide insulation

synonym : compost, ground cover, bedding

(1) **mulch** from the vegetation, (2) organic **mulch**
The landscaper recommended a layer of rubber **mulch** for the children's playground as it provides cushioning and minimizes injuries from falls.

soil

n. the top layer of Earth in which plants grow

synonym : earth, ground, mud

(1) **soils** retentive of moisture, (2) parched **soil**
Soil moisture is another significant component controlling soil respiration.

weed

n. a wild plant growing where it is not wanted and in competition with cultivated plants

synonym : plant, grass, shrub

(1) pull up a **weed**, (2) **weed** management
The garden was full of **weeds** that needed to be pulled.

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.

outcome

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

synonym: result, consequence, effect

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

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

fin

n. a thin flat part on the body of a fish or other aquatic animal used for propulsion or balance

synonym: flipper, appendage, stabilizer

(1) back **fin**, (2) a **fin** of a plane

The shark's powerful **fins** allowed it to swim at high speeds.

hop

v. to jump lightly and quickly on one foot or both feet; to move rapidly from one place to another; to travel using an aircraft, bus, etc.

synonym: jump, bounce, skip

(1) **hop** on one foot, (2) **hop** from one place to another

The rabbit **hopped** over the fence.

retain

v. to keep or continue to possess or maintain something

synonym: possess, hold, keep on

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

Computers help people **retain** specific memories.

accommodate

v. to provide someone with a place to live or to be stored in; to make fit for or to change to suit a new purpose

synonym: house, rent, adjust

(1) **accommodate** a person with money, (2) **accommodate** these needs

This large SUV **accommodates** eight people.

diesel

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

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

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

efficiency

n. the state or quality of doing something well with no waste of input such as time or money

synonym : effectiveness, efficacy, productivity

(1) better fuel **efficiency**, (2) an energy **efficiency**

Our company must continue to strive for greater **efficiency**.

opportune

adj. suitable or happening at a time that is suitable or convenient for a particular purpose

synonym : suitable, timely, practical

(1) **opportune** occasion, (2) an **opportune** remark

The phone rang at the most **opportune** time.

pathway

n. a track that constitutes or serves as a path; an approach or a way of doing something

synonym : route, footpath, trail

(1) **pathway** to understanding, (2) cellular signaling **pathways**

When the first molecule in the **pathway** receives a signal, it activates other molecules.

innovative

adj. introducing or using new methods, ideas, etc.

synonym : creative, ingenious, inventive

(1) use of **innovative** technology, (2) stylistically **innovative** works

The Prime Minister stressed the need to create **innovative** industries.

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.

discovery

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

synonym : finding, uncovering, detection

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

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

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.

faith

n. complete trust in something or someone's ability or knowledge; a strong belief in religion, divine power, etc.

synonym: belief, trust, confidence

(1) religious **faith**, (2) **faith** in government

He kept his robust **faith** in his company.

collective

adj. done or shared by every member of a group of people

synonym: composite, concerted, cumulative

(1) right to **collective** bargaining, (2) **collective** ownership

Product development is a **collective** effort.

ingenuity

n. the quality of inventing things or solving problems in clever new ways

synonym: creativity, invention, originality

(1) the infinite **ingenuity** of man, (2) abound in **ingenuity**

Creativity and **ingenuity** are often brought about by extreme concentration.

accomplish

v. to finish or achieve something successfully

synonym: achieve, complete, execute

(1) **accomplish** a goal, (2) **accomplish** military operations

Humankind took centuries to **accomplish** true democracy.

radical

adj. relating to the essential aspects of anything; far beyond the norm, mainly used of opinions and actions

synonym:

extreme, revolutionary

(1) a **radical** flaw in the plan, (2) a **radical** cure

The government established by the coup was more **radical** than before.

creditor

n. a person, company, etc. to whom a debtor owes money

(1) the **creditor's** claims, (2) bankrupt **creditor**

I asked the lawyer to initiate **creditor** negotiations for voluntary liquidation.

diverse

adj. including numerous categories of individuals or entities; various

synonym: manifold, various, myriad

(1) **diverse** backgrounds, (2) a person of **diverse** talents

New York is a city with a **diverse** ethnic population.

alpha

n. the first letter in the Greek alphabet; in social and group dynamics, the highest or most dominant member of a group or social hierarchy

synonym: first, beginning, leader

(1) **alpha** particle, (2) **alpha** radiation

The company's new CEO was known for his **alpha** personality.

ambitious

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

synonym: enterprising, challenging, earnest

(1) achieve **ambitious** goals, (2) with an **ambitious** eye

Their company has been in business for a short time but has **ambitious** goals.

spin

v. to cause something to rotate rapidly; to cause someone to feel dizzy or disoriented

synonym: rotate, twirl, swirl

(1) **spin** a top, (2) **spin** thread out of cotton

The tornado is **spinning** across the countryside, destroying

everything in its path.

statistics

n. the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data

(1) **statistics** for cancer, (2) official **statistics**

The **statistics** demonstrate that poverty and unemployment are genuine problems.

permit

v. to allow for something to happen or be done; (noun) the act of giving a formal, usually written, authorization

synonym: allow, authorize, concede

(1) **permit** application, (2) work **permit**

The teacher will not **permit** any students to leave the classroom early.

launch

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

synonym: start, initiate, begin

(1) **launch** a spaceship into orbit, (2) **launch** a big attack

The company is set to **launch** its new product line next month.

patent

n. a legal document that grants an inventor exclusive rights to their invention for a certain period of time; the invention or process for which a patent has been granted

synonym: copyright, trademark, license

(1) **patent** application, (2) **patent** law

The company has filed for a **patent** to protect its new invention.

absolutely

adv. without restriction or limitation; completely or utterly

synonym: completely, utterly, definitely

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

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

Session 2: Spelling

1. giant sc____p *n.* a marine bivalve mollusk that typically has a fluted fan-shaped shell
2. build a mo____r system *adj.* consisting of distinct or separable parts or units that can be joined together and form a complete whole
3. su_____te to death *v.* to die or cause someone to die from lack of air or inability to breathe; to be overwhelmed or constricted by a feeling or situation, such as anxiety or oppression
4. en_____re gate *n.* a wall, fence, or other barriers that surround an area, keeping it separate and protected
5. a scientific di_____ry *n.* the act or process of finding information, a place, or an object, or learning about something that was previously not known
6. me_____n name *v.* to speak or write about something or someone briefly
7. seems to be highly pro_____ic *adj.* full of difficulties; difficult to deal with or solve
8. so_____n oil *n.* a legume crop widely cultivated for its nutritious seeds, often ground into meal or pressed into oil for food products, with other uses including animal feed, fuel, and industrial applications
9. in direct su_____ht *n.* the light emitted by the sun; the rays of the sun

ANSWERS: 1. scallop, 2. modular, 3. suffocate, 4. enclosure, 5. discovery, 6. mention, 7. problematic, 8. soybean, 9. sunlight

- | | |
|--|--|
| 10. anthropology lab_____ry | <i>n.</i> a workplace for doing scientific research or teaching science; a lab |
| 11. high imp_____ce | <i>n.</i> the quality of being important and worthy of note |
| 12. sh_____sh allergy | <i>n.</i> water creatures that live in shells, especially one of the types that can be eaten |
| 13. right to col_____ve bargaining | <i>adj.</i> done or shared by every member of a group of people |
| 14. the at_____t to rescue the hostages | <i>n.</i> an act or effort of trying to do something, especially something difficult |
| 15. ci_____te an agenda before the meeting | <i>v.</i> to move continuously or freely around a place or closed system |
| 16. mi_____ga cultivation | <i>n.</i> a microscopic species of algae that are often used for their high nutritional value, particularly as a source of protein or for the production of biofuels |
| 17. re____n a lawyer | <i>v.</i> to keep or continue to possess or maintain something |
| 18. carbon dioxide in the atm_____re | <i>n.</i> the mass of air that surrounds the Earth; the pervading tone or mood of a place, situation, or creative work |
| 19. official sta_____cs | <i>n.</i> the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data |
| 20. ho_____le accident | <i>adj.</i> extremely unpleasant or bad; causing fear or disgust |

ANSWERS: 10. laboratory, 11. importance, 12. shellfish, 13. collective, 14. attempt, 15. circulate, 16. microalga, 17. retain, 18. atmosphere, 19. statistics, 20. horrible

21. in_____l a door *v.* to fix furniture, a machine, or a piece of equipment into position so that it can be used; put into an office or a position
22. en_____e the flavor of the vanilla *v.* to increase or improve the quality, amount, or strength of someone or something
23. organic mu___h *n.* a protective covering, often made of organic materials such as wood chips, straw, or leaves, applied to the soil around plants to suppress weed growth, retain moisture, and provide insulation
24. ex_____e sports *adj.* very great in amount or degree
25. 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
26. a capillary t___e *n.* a cylindrical container of metal, plastic, glass, etc., usually sealed and used as a means of preserving food or chemicals; a hollow cylindrical shape
27. b_y area *n.* a part of the coast that is partially enclosed by land; a compartment or section of a ship or building
28. re___e the materials *v.* to use something again or more than once
29. his research area of
con_____ion *n.* the ability to focus all your time and energy on one thing without thinking about anything else.
30. a convivial atm_____re *n.* the mass of air that surrounds the Earth; the pervading tone or mood of a place, situation, or creative work

ANSWERS: 21. install, 22. enhance, 23. mulch, 24. extreme, 25. planet, 26. tube, 27. bay, 28. reuse, 29. concentration, 30. atmosphere

31. cell and molecular bi____y *n.* the scientific study of life and the natural processes of living things
32. get inc_____ly insecure *adv.* in a way that is very difficult to believe; exceedingly or extremely
33. s_y milk *n.* a legume plant that is widely cultivated for its edible bean, which has many uses, such as for oil, food, and animal feed
34. blue al__e *n.* A simple plant that grows in or near water and lacks typical leaves and roots
35. pos_____ty of a major earthquake *n.* a chance that something may happen or be true
36. nonsynthetic fer_____er *n.* a natural or chemical substance added to soil to make plants grow more successfully
37. a fl_____le wire *adj.* able to change or be changed to suit new conditions or situations; able to bend easily
38. re_____d communities *v.* to build again or anew
39. pos_____ty for growth *n.* a chance that something may happen or be true
40. hazardous li____d *n.* a substance, such as water or oil that flows freely and is neither a solid nor a gas
41. f__t accomplishment *n.* a notable or impressive achievement, especially one that requires great skill or bravery
42. a co____n of water *n.* one of the vertical blocks that split content on a page or screen from top to bottom; an upright pillar that often supports an arch, entablature, or other structure or stands alone as a monument

ANSWERS: 31. biology, 32. incredibly, 33. soy, 34. algae, 35. possibility, 36. fertilizer, 37. flexible, 38. rebuild, 39. possibility, 40. liquid, 41. feat, 42. column

- | | |
|---|---|
| 52. a cell phone with an internet
fa____ty | <i>n.</i> a building or place that provides a particular service or is used for a particular industry |
| 53. an alt____ve plan | <i>n.</i> one of two or more available possibilities or choice |
| 54. a sort of ma____l | <i>n.</i> any animal of which the female gives birth to live young, not eggs, and feeds her young on milk from her own body |
| 55. exotic plants in a gre____se | <i>n.</i> a building with walls and roof made chiefly of transparent material, such as glass, for growing plants in |
| 56. re____e a prisoner | <i>v.</i> to set free or allow to escape from confinement |
| 57. h_p on one foot | <i>v.</i> to jump lightly and quickly on one foot or both feet; to move rapidly from one place to another; to travel using an aircraft, bus, etc. |
| 58. a man of imp____ce | <i>n.</i> the quality of being important and worthy of note |
| 59. en____er shortage | <i>n.</i> a person whose job is designing, building, or maintaining something such as machines, structures, or software |
| 60. se____er myself from the world | <i>v.</i> to take temporary possession of someone's property until a debt is paid. |
| 61. ca____a fields | <i>n.</i> a type of oilseed plant that belongs to the cabbage family, characterized by its yellow flowers and green pods; the oil extracted from the seeds of this plant, often used for cooking and as an ingredient in various products |

ANSWERS: 52. facility, 53. alternative, 54. mammal, 55. greenhouse, 56. release, 57. hop, 58. importance, 59. engineer, 60. sequester, 61. canola

62. en____ on the project's success *v.* to imagine or expect what a situation will be like in the future
63. 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
64. ca____ a crop *n.* a type of oilseed plant that belongs to the cabbage family, characterized by its yellow flowers and green pods; the oil extracted from the seeds of this plant, often used for cooking and as an ingredient in various products
65. medical l_b *n.* a workplace for the conduct of scientific research; a laboratory
66. ho____le smell *adj.* extremely unpleasant or bad; causing fear or disgust
67. bio____de by the microorganism *v.* to decay naturally by microorganisms, such as bacteria and fungi
68. ten-ga____n hat *n.* a unit for measuring volume, in the US, it is equal to about 3.79 liters, and in the UK, Canada, and other countries, it is equal to about 4.55 liters
69. religious fa__h *n.* complete trust in something or someone's ability or knowledge; a strong belief in religion, divine power, etc.
70. a glare of su____ht *n.* the light emitted by the sun; the rays of the sun

ANSWERS: 62. envision, 63. economy, 64. canola, 65. lab, 66. horrible, 67. biodegrade, 68. gallon, 69. faith, 70. sunlight

71. co____e fiercely *v.* to strive to achieve more success than someone or something
72. ov_____wn child *adj.* covered in plants that have been allowed to grow naturally and have not been controlled
73. c__p field *n.* a plant that is cultivated in large amounts, particularly for food
74. legal co____t *n.* the circumstances, facts, or conditions that surround a particular event, situation, or statement and that give it meaning
75. co____e against a friend *v.* to strive to achieve more success than someone or something
76. col_____ve ownership *adj.* done or shared by every member of a group of people
77. in_____l a chairperson *v.* to fix furniture, a machine, or a piece of equipment into position so that it can be used; put into an office or a position
78. ja_____ha biofuel *n.* a genus of plants in the spurge family, including the species *Jatropha curcas*, whose seeds yield a vegetable oil used in the production of biodiesel fuel
79. en_____e value *v.* to increase or improve the quality, amount, or strength of someone or something
80. op____e 24 hours a day *v.* to work in a particular way; to supervise something
81. chimney f__e *n.* a pipe or tube used to remove smoke, gas, or hot air from a fire, heater, or oven

ANSWERS: 71. compete, 72. overgrown, 73. crop, 74. context, 75. compete, 76. collective, 77. install, 78. jatropha, 79. enhance, 80. operate, 81. flue

82. l__k a classified memo
v. to allow liquid or gas to get in or out from a hole or crack in a pipe or container
83. co_____er ship
n. a receptacle or object used to hold, store, or transport something; a large standardized metal box that is used for transporting goods by sea or land
84. com_____ve position
adj. involving competition or competitiveness
85. abs_____ly against
adv. without restriction or limitation; completely or utterly
86. re_____r a loss
v. to return to a former condition, health, mind, or strength
87. h__e a car by the hour
v. to give somebody a job
88. con_____te a large sum of money to the fund
v. to give something, especially money or goods, to provide or achieve something together with other people
89. sur_____ng areas
adj. that is near or around, or closely encircling something
90. a sc_____p shell
n. a marine bivalve mollusk that typically has a fluted fan-shaped shell
91. se_____d nesting
n. a bird species that spends much of its life on or near the sea, often feeding on fish and other marine animals
92. a sheltered ha____r
n. an area of water next to the coast where ships and boats are protected from rough water by piers, jetties, and other artificial structures; (verb) keep in one's possession

ANSWERS: 82. leak, 83. container, 84. competitive, 85. absolutely, 86. recover, 87. hire, 88. contribute, 89. surrounding, 90. scallop, 91. seabird, 92. harbor

93. pho_____ics recycling initiatives *n.* a branch of technology that involves the conversion of sunlight into electricity using solar cells or other photoelectric devices; the generation of electricity directly from sunlight, typically using solar panels
94. f__e boiler *n.* a pipe or tube used to remove smoke, gas, or hot air from a fire, heater, or oven
95. audio mo___e *n.* a self-contained unit or component of a larger system or structure; a standardized unit of computer hardware or software designed to perform a specific function
96. al__e biofuel *n.* A simple plant that grows in or near water and lacks typical leaves and roots
97. was_____er disposal equipment *n.* water that contains waste substances from homes, farms, factories, etc.
98. better fuel eff_____cy *n.* the state or quality of doing something well with no waste of input such as time or money
99. use of inn_____ve technology *adj.* introducing or using new methods, ideas, etc.
100. seals sleep und_____er *adv.* below or under the surface of the water
101. su_____er oil *n.* a plant with large, round flower heads that have bright yellow petals and a dark center, grown for its edible seeds and oil, as well as for decorative purposes

ANSWERS: 93. photovoltaics, 94. flue, 95. module, 96. algae, 97. wastewater, 98. efficiency, 99. innovative, 100. underwater, 101. sunflower

111. a ra_____l cure *adj.* relating to the essential aspects of anything; far beyond the norm, mainly used of opinions and actions
112. en_____on the future *v.* to imagine or expect what a situation will be like in the future
113. mu__h from the vegetation *n.* a protective covering, often made of organic materials such as wood chips, straw, or leaves, applied to the soil around plants to suppress weed growth, retain moisture, and provide insulation
114. welfare ec_____cs *n.* the branch of social science that deals with the production, consumption, and transfer of goods and services
115. se_____d migration *n.* a bird species that spends much of its life on or near the sea, often feeding on fish and other marine animals
116. pr_____le cause of a fire *adj.* likely to happen or likely to be true
117. evolutionary bi_____y *n.* the scientific study of life and the natural processes of living things
118. 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
119. extreme tem_____res *n.* the degree of hotness or coldness of a thing or place
120. from the cr___e to the grave *n.* a small bed for an infant, often designed to rock back and forth; a place or region where something begins or originates
121. a desirable ou_____e *n.* the result or effect of an action, event, etc.

ANSWERS: 111. radical, 112. envision, 113. mulch, 114. economics, 115. seabird, 116. probable, 117. biology, 118. integrate, 119. temperature, 120. cradle, 121. outcome

122. se_____d broth *n.* a plant that grows in the sea or on land very close to the sea, especially marine algae
123. con_____ion of armaments *n.* the ability to focus all your time and energy on one thing without thinking about anything else.
124. ec_____cs professor *n.* the branch of social science that deals with the production, consumption, and transfer of goods and services
125. nuclear me_____ne *n.* a soft, thin layer that forms animal or vegetable tissue
126. first-aid tr_____nt *n.* the way in which someone deals with or behaves towards someone or something; medical care provided to a patient for an injury or illness.
127. biological was_____er *n.* water that contains waste substances from homes, farms, factories, etc.
128. a scanty ha_____t *n.* yields of plants in a single growing season; the period of the year when gathering occurs on a farm
129. half-a__e parcel *n.* a unit of land area in the US Customary System and the British Imperial System, equal to 4,840 square yards (= 4,047 square meters)
130. group of or_____sms *n.* a tiny living thing
131. la____h a big attack *v.* to send or propel something into the air or space using a device such as a rocket, missile, or spacecraft; to make something available or on sale for the first time

ANSWERS: 122. seaweed, 123. concentration, 124. economics, 125. membrane, 126. treatment, 127. wastewater, 128. harvest, 129. acre, 130. organism, 131. launch

132. h__e a guide *v.* to give somebody a job
133. fa____ty design *n.* a building or place that provides a particular service or is used for a particular industry
134. acc_____te a person with money *v.* to provide someone with a place to live or to be stored in; to make fit for or to change to suit a new purpose
135. co____ic fenders on cars *adj.* relating to treatment aimed at restoring or improving a person's appearance and attractiveness; (noun) a substance that you put on your face or body to enhance its appearance and make it more attractive
136. en____us potential *adj.* extremely large or great
137. the spinal co____n *n.* one of the vertical blocks that split content on a page or screen from top to bottom; an upright pillar that often supports an arch, entablature, or other structure or stands alone as a monument
138. a civil en____er *n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software
139. se____er pollution *n.* water from the sea or ocean, typically containing salt and various other dissolved minerals
140. 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

ANSWERS: 132. hire, 133. facility, 134. accommodate, 135. cosmetic, 136. enormous, 137. column, 138. engineer, 139. seawater, 140. bubble

141. acc_____sh a goal *v.* to finish or achieve something successfully
142. threatened ha_____t *n.* the type of natural environment in which an organism or group usually lives or occurs
143. work pe____t *v.* to allow for something to happen or be done; (noun) the act of giving a formal, usually written, authorization
144. cloud his rep_____on *n.* the general opinion that people have about someone or something, especially when this is based on their previous experiences or behaviors
145. achieve am_____us goals *adj.* having a great desire to attain achievement, power, or wealth
146. a glass t__e *n.* a cylindrical container of metal, plastic, glass, etc., usually sealed and used as a means of preserving food or chemicals; a hollow cylindrical shape
147. 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
148. abound in in_____ty *n.* the quality of inventing things or solving problems in clever new ways
149. exp_____nt design *n.* the scientific test conducted to observe what happens and gain new knowledge
150. pr_____le outcome *adj.* likely to happen or likely to be true
151. fl_____le schedules *adj.* able to change or be changed to suit new conditions or situations; able to bend easily

ANSWERS: 141. accomplish, 142. habitat, 143. permit, 144. reputation, 145. ambitious, 146. tube, 147. carbon, 148. ingenuity, 149. experiment, 150. probable, 151. flexible

152. se__r device *n.* an underground system of pipes used to carry away sewage and wastewater
153. l_b instrument *n.* a workplace for the conduct of scientific research; a laboratory
154. principles of sus_____le development *adj.* able to continue or be continued for a long time
155. an ov_____wn garden *adj.* covered in plants that have been allowed to grow naturally and have not been controlled
156. s__m off the top *v.* to read something quickly to get a general idea of its contents; to remove any unwanted or unnecessary material from the surface of a liquid; to glide smoothly or briefly over a surface
157. the atmospheric tem_____re *n.* the degree of hotness or coldness of a thing or place
158. LED-em_____ed glass *adj.* fixed firmly into the surface of something
159. the cr_____or's claims *n.* a person, company, etc. to whom a debtor owes money
160. floating se_____d *n.* a plant that grows in the sea or on land very close to the sea, especially marine algae
161. se_____er bacteria *n.* water from the sea or ocean, typically containing salt and various other dissolved minerals
162. pa__l discussion *n.* a square or rectangular and flat piece of something that forms a distinct section or component of something; a small group of specialists who discuss particular topics or give their advice or opinion about something

ANSWERS: 152. sewer, 153. lab, 154. sustainable, 155. overgrown, 156. skim, 157. temperature, 158. embedded, 159. creditor, 160. seaweed, 161. seawater, 162. panel

163. a gr__h sample *n.* a picture consisting of a line, lines, points, etc., that shows how two or more sets of certain quantities are related to each other
164. s_y allergy *n.* a legume plant that is widely cultivated for its edible bean, which has many uses, such as for oil, food, and animal feed
165. pa___t application *n.* a legal document that grants an inventor exclusive rights to their invention for a certain period of time; the invention or process for which a patent has been granted
166. acc_____te cash value *v.* to collect or acquire a large number of things over a long period of time
167. s__n a top *v.* to cause something to rotate rapidly; to cause someone to feel dizzy or disoriented
168. di___l car *n.* a type of heavy oil used as fuel; a vehicle or engine that uses diesel fuel
169. re___n information *v.* to keep or continue to possess or maintain something
170. an energy eff_____cy *n.* the state or quality of doing something well with no waste of input such as time or money
171. sus_____le alternative fuel *adj.* able to continue or be continued for a long time
172. inc_____ly cheerful character *adv.* in a way that is very difficult to believe; exceedingly or extremely

ANSWERS: 163. graph, 164. soy, 165. patent, 166. accumulate, 167. spin, 168. diesel, 169. retain, 170. efficiency, 171. sustainable, 172. incredibly

173. sta_____er engagement *n.* a person or group that has an interest or concern in something, especially a business
174. fuel bi_____s *n.* the total quantity of living matter in a given unit of environment, including plants, animals, and microorganisms
175. hold my breath und_____er *adv.* below or under the surface of the water
176. bankrupt cr_____or *n.* a person, company, etc. to whom a debtor owes money
177. 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
178. the hydrogen binds the ox____n *n.* the chemical element with the symbol O that is present in air and water and is necessary for people, animals, and plants to live
179. edible sh_____sh *n.* water creatures that live in shells, especially one of the types that can be eaten
180. emergency la_____g *n.* the act of coming to rest on the ground or another surface after being in flight or jumping; a platform or area of ground where a plane or spacecraft can come to rest
181. a chemical fer_____er *n.* a natural or chemical substance added to soil to make plants grow more successfully
182. intensive agr_____re *n.* the practice or science of cultivating the land or raising stock

ANSWERS: 173. stakeholder, 174. biomass, 175. underwater, 176. creditor, 177. integrate, 178. oxygen, 179. shellfish, 180. landing, 181. fertilizer, 182. agriculture

183. st___e up a conversation *v.* to wallop somebody or something with the hand, fist, or weapon; to have an emotional or cognitive impact upon
184. w__d a team of such people *v.* to join two or more pieces of metal together by heating their edges until they melt and fuse
185. sk__k works project *n.* a small, carnivorous mammal known for its black and white striped fur and its ability to release a strong, foul-smelling odor from its anal glands when threatened; (skunk works) a group within an organization that is given a high degree of autonomy and is unhampered by bureaucracy
186. nu_____nt medicine *n.* any substance that is essential for the maintenance and growth of living things
187. mu___l shells *n.* a type of shellfish that lives in freshwater or saltwater has a hard, elongated shell and is edible
188. a so__r eclipse *adj.* of, from, or relating to the sun
189. mi_____ga biomass *n.* a microscopic species of algae that are often used for their high nutritional value, particularly as a source of protein or for the production of biofuels
190. an une_____ed visitor *adj.* not anticipated or regarded as likely to happen
191. s__n thread out of cotton *v.* to cause something to rotate rapidly; to cause someone to feel dizzy or disoriented

ANSWERS: 183. strike, 184. weld, 185. skunk, 186. nutrient, 187. mussel, 188. solar, 189. microalga, 190. unexpected, 191. spin

192. sea-ot__r fur *n.* a semiaquatic mammal with a sleek, streamlined body, short legs, webbed feet, and dense, soft fur, found in and around freshwater and coastal areas
193. the so__r system *adj.* of, from, or relating to the sun
194. back f_n *n.* a thin flat part on the body of a fish or other aquatic animal used for propulsion or balance
195. rep_____on risk *n.* the general opinion that people have about someone or something, especially when this is based on their previous experiences or behaviors
196. re_____e CO2 into the air *v.* to set free or allow to escape from confinement
197. there is no other alt_____ve *n.* one of two or more available possibilities or choice
198. se___e a dispute *v.* to reach an agreement of disagreement
199. bi_____s energy *n.* the total quantity of living matter in a given unit of environment, including plants, animals, and microorganisms
200. 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
201. the ul_____te luxury *adj.* furthest or highest in degree or order

ANSWERS: 192. otter, 193. solar, 194. fin, 195. reputation, 196. release, 197. alternative, 198. settle, 199. biomass, 200. economy, 201. ultimate

202. 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
203. con_____te to society *v.* to give something, especially money or goods, to provide or achieve something together with other people
204. su_____e a plane crash *v.* to live or exist despite a dangerous event or period
205. the en_____re of a city *n.* a wall, fence, or other barriers that surround an area, keeping it separate and protected
206. ex_____e weather events *adj.* very great in amount or degree
207. in_____ct directly with customers *v.* to communicate or react with somebody
208. use an ac_____m *n.* a word formed from the first letter of each word in a phrase, such as NASA (National Aeronautics and Space Administration) or AIDS (Acquired Immune Deficiency Syndrome)
209. ha____r a resentment *n.* an area of water next to the coast where ships and boats are protected from rough water by piers, jetties, and other artificial structures; (verb) keep in one's possession
210. a f_n of a plane *n.* a thin flat part on the body of a fish or other aquatic animal used for propulsion or balance
211. inn_____on leader *n.* the creation of a new device or process resulting from study and experimentation

ANSWERS: 202. efficient, 203. contribute, 204. survive, 205. enclosure, 206. extreme, 207. interact, 208. acronym, 209. harbor, 210. fin, 211. innovation

212. th___e in a society *v.* to grow vigorously; to make steady progress
213. 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
214. re____d a company *v.* to build again or anew
215. the ul____te goal in life *adj.* furthest or highest in degree or order
216. acc____te evidence *v.* to collect or acquire a large number of things over a long period of time
217. abs____ly obsessed with the girl *adv.* without restriction or limitation; completely or utterly
218. 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
219. pot____ly lucrative *adv.* in a possible state or condition; possibly
220. provide ad____te funding *adj.* enough, acceptable, satisfactory for a particular purpose or need
221. the great di____ry of the century *n.* the act or process of finding information, a place, or an object, or learning about something that was previously not known
222. a fo___l leaf *n.* any preserved remains, impression, or trace of any once-living thing that has become hard and turned into rock
223. pull up a w__d *n.* a wild plant growing where it is not wanted and in competition with cultivated plants

ANSWERS: 212. thrive, 213. bubble, 214. rebuild, 215. ultimate, 216. accumulate, 217. absolutely, 218. planet, 219. potentially, 220. adequate, 221. discovery, 222. fossil, 223. weed

224. an ine_____ve inn *adj.* costing little; having a low price
225. h_p from one place to another *v.* to jump lightly and quickly on one foot or both feet; to move rapidly from one place to another; to travel using an aircraft, bus, etc.
226. op_____ne occasion *adj.* suitable or happening at a time that is suitable or convenient for a particular purpose
227. di_____e backgrounds *adj.* including numerous categories of individuals or entities; various
228. cellular signaling pa_____ys *n.* a track that constitutes or serves as a path; an approach or a way of doing something
229. lab_____ry accident *n.* a workplace for doing scientific research or teaching science; a lab
230. gr__h theory *n.* a picture consisting of a line, lines, points, etc., that shows how two or more sets of certain quantities are related to each other
231. undergo a surgical pr_____re *n.* a way of doing something, especially the official or well-known way
232. me_____n in a report *v.* to speak or write about something or someone briefly
233. pr_____s improvement *n.* a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products

ANSWERS: 224. inexpensive, 225. hop, 226. opportune, 227. diverse, 228. pathway, 229. laboratory, 230. graph, 231. procedure, 232. mention, 233. process

234. sustainable aqu_____re *n.* the cultivation of aquatic organisms such as fish, seaweed, and shellfish for human consumption, as well as for environmental conservation and research purposes
235. an of_____re oil field *adj.* situated at or happening in the sea, not far from the shore or land; (of winds) coming from the land
236. mo____e software *n.* a self-contained unit or component of a larger system or structure; a standardized unit of computer hardware or software designed to perform a specific function
237. bi_____l production *n.* a fuel produced from organic matter, such as crops or waste material, that can be used to replace or supplement traditional fossil fuels
238. manually op_____e a machine *v.* to work in a particular way; to supervise something
239. variety of ma____e life *adj.* relating to the sea and the creatures and plants that live there
240. su_____er field *n.* a plant with large, round flower heads that have bright yellow petals and a dark center, grown for its edible seeds and oil, as well as for decorative purposes
241. se_____er ten percent of the annual carbon emissions *v.* to take temporary possession of someone's property until a debt is paid.
242. organic agr_____re *n.* the practice or science of cultivating the land or raising stock

ANSWERS: 234. aquaculture, 235. offshore, 236. module, 237. biofuel, 238. operate, 239. marine, 240. sunflower, 241. sequester, 242. agriculture

243. c__p herbicide *n.* a plant that is cultivated in large amounts, particularly for food
244. oy___r farm *n.* a bivalve mollusk with a rough irregular shell, often eaten raw or cooked, and sometimes used as a pearl-producing animal or a source of mother-of-pearl
245. early pr_____pe *n.* a first or preliminary example of something such as a device or vehicle from which other forms are developed
246. sta_____cs for cancer *n.* the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data
247. ac_____m definition *n.* a word formed from the first letter of each word in a phrase, such as NASA (National Aeronautics and Space Administration) or AIDS (Acquired Immune Deficiency Syndrome)
248. ine_____ve option *adj.* costing little; having a low price
249. improve sta_____er relations *n.* a person or group that has an interest or concern in something, especially a business
250. an op_____ne remark *adj.* suitable or happening at a time that is suitable or convenient for a particular purpose
251. cutting-edge inn_____on *n.* the creation of a new device or process resulting from study and experimentation
252. acc_____te these needs *v.* to provide someone with a place to live or to be stored in; to make fit for or to change to suit a new purpose

ANSWERS: 243. crop, 244. oyster, 245. prototype, 246. statistics, 247. acronym, 248. inexpensive, 249. stakeholder, 250. opportune, 251. innovation, 252. accommodate

253. ci_____te a rumor *v.* to move continuously or freely around a place or closed system
254. bio_____or engineering *n.* a device or system used to cultivate living cells, tissues, or organisms for industrial or research purposes
255. se___e down in the town *v.* to reach an agreement of disagreement
256. ad_____te parking facilities *adj.* enough, acceptable, satisfactory for a particular purpose or need
257. dis_____te video content *v.* to give something to a large number of individuals, or to spread or furnish something
258. commercial fi_____y *n.* an area of water where fish are caught in large quantities for living; a business or practice of catching and selling fish
259. aerobic or_____sm *n.* a tiny living thing
260. so_____n production *n.* a legume crop widely cultivated for its nutritious seeds, often ground into meal or pressed into oil for food products, with other uses including animal feed, fuel, and industrial applications
261. aqu_____re industry *n.* the cultivation of aquatic organisms such as fish, seaweed, and shellfish for human consumption, as well as for environmental conservation and research purposes
262. decision-making pr_____s *n.* a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products

ANSWERS: 253. circulate, 254. bioreactor, 255. settle, 256. adequate, 257. distribute, 258. fishery, 259. organism, 260. soybean, 261. aquaculture, 262. process

263. from alpha to om__a *n.* the last (24th) letter of the Greek alphabet; the ending of a series or sequence
264. bi____l technology *n.* a fuel produced from organic matter, such as crops or waste material, that can be used to replace or supplement traditional fossil fuels
265. reap a ha____t *n.* yields of plants in a single growing season; the period of the year when gathering occurs on a farm
266. chaotic env_____nt *n.* the natural world such as air, water, and land in which humans, animals, and plants live
267. m__s garden *n.* a small, soft plant that grows in a low, compact layer, often on the ground or on rocks
268. l__k data *v.* to allow liquid or gas to get in or out from a hole or crack in a pipe or container
269. 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
270. la____h a spaceship into orbit *v.* to send or propel something into the air or space using a device such as a rocket, missile, or spacecraft; to make something available or on sale for the first time

ANSWERS: 263. omega, 264. biofuel, 265. harvest, 266. environment, 267. moss, 268. leak, 269. develop, 270. launch

271. in____ct with one another *v.* to communicate or react with somebody
272. an a__e of forest *n.* a unit of land area in the US Customary System and the British Imperial System, equal to 4,840 square yards (= 4,047 square meters)
273. w__d management *n.* a wild plant growing where it is not wanted and in competition with cultivated plants
274. re__e existing knowledge *v.* to use something again or more than once
275. striped sk__k *n.* a small, carnivorous mammal known for its black and white striped fur and its ability to release a strong, foul-smelling odor from its anal glands when threatened; (skunk works) a group within an organization that is given a high degree of autonomy and is unhampered by bureaucracy
276. a marine ha____t *n.* the type of natural environment in which an organism or group usually lives or occurs
277. 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
278. 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: 271. interact, 272. acre, 273. weed, 274. reuse, 275. skunk, 276. habitat, 277. carbon, 278. efficient

279. 5-ga___n square can *n.* a unit for measuring volume, in the US, it is equal to about 3.79 liters, and in the UK, Canada, and other countries, it is equal to about 4.55 liters
280. acc_____sh military operations *v.* to finish or achieve something successfully
281. al__a radiation *n.* the first letter in the Greek alphabet; in social and group dynamics, the highest or most dominant member of a group or social hierarchy
282. em_____ed systems *adj.* fixed firmly into the surface of something
283. ma___e insurance *adj.* relating to the sea and the creatures and plants that live there
284. fa__h in government *n.* complete trust in something or someone's ability or knowledge; a strong belief in religion, divine power, etc.
285. su_____te fire *v.* to die or cause someone to die from lack of air or inability to breathe; to be overwhelmed or constricted by a feeling or situation, such as anxiety or oppression
286. parched s__l *n.* the top layer of Earth in which plants grow
287. st_____re and function of the brain *n.* the way of construction of something and the arrangement of its parts, or a complex thing constructed of many parts

ANSWERS: 279. gallon, 280. accomplish, 281. alpha, 282. embedded, 283. marine, 284. faith, 285. suffocate, 286. soil, 287. structure

288. s__m the surface of the water *v.* to read something quickly to get a general idea of its contents; to remove any unwanted or unnecessary material from the surface of a liquid; to glide smoothly or briefly over a surface
289. a criminal bac_____nd *n.* the details of a person's social heritage, such as family, vocational or educational experience; past information that is essential to understanding a situation or problem
290. la_____g gear *n.* the act of coming to rest on the ground or another surface after being in flight or jumping; a platform or area of ground where a plane or spacecraft can come to rest
291. the con_____on of the good *n.* a general idea or belief of what something or someone is like or should be; an understanding of a situation or a principle
292. a ra_____l flaw in the plan *adj.* relating to the essential aspects of anything; far beyond the norm, mainly used of opinions and actions
293. a com_____ve price *adj.* involving competition or competitiveness
294. plastic co_____er *n.* a receptacle or object used to hold, store, or transport something; a large standardized metal box that is used for transporting goods by sea or land
295. 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

ANSWERS: 288. skim, 289. background, 290. landing, 291. conception, 292. radical, 293. competitive, 294. container, 295. develop

296. lack of ox___n *n.* the chemical element with the symbol O that is present in air and water and is necessary for people, animals, and plants to live
297. cr___e of civilization *n.* a small bed for an infant, often designed to rock back and forth; a place or region where something begins or originates
298. some une_____ed events *adj.* not anticipated or regarded as likely to happen
299. with an am_____us eye *adj.* having a great desire to attain achievement, power, or wealth
300. inv_____te the matter *v.* to conduct a systematic or formal inquiry to identify and evaluate the facts of a crime, problem, statement, etc. to establish the truth
301. complete a pr_____pe product *n.* a first or preliminary example of something such as a device or vehicle from which other forms are developed
302. series of exp_____nts *n.* the scientific test conducted to observe what happens and gain new knowledge
303. st___e a blow *v.* to wallop somebody or something with the hand, fist, or weapon; to have an emotional or cognitive impact upon
304. en_____us amount *adj.* extremely large or great
305. fi_____y management *n.* an area of water where fish are caught in large quantities for living; a business or practice of catching and selling fish
306. mo_____r an exam *v.* to observe, check, and track the progress or quality of something over a period of time

ANSWERS: 296. oxygen, 297. cradle, 298. unexpected, 299. ambitious, 300. investigate, 301. prototype, 302. experiment, 303. strike, 304. enormous, 305. fishery, 306. monitor

307. s__ls retentive of moisture *n.* the top layer of Earth in which plants grow
308. pa___t law *n.* a legal document that grants an inventor exclusive rights to their invention for a certain period of time; the invention or process for which a patent has been granted
309. inv_____te a data leak *v.* to conduct a systematic or formal inquiry to identify and evaluate the facts of a crime, problem, statement, etc. to establish the truth
310. colorless li___d *n.* a substance, such as water or oil that flows freely and is neither a solid nor a gas
311. mi__o force sensor *n.* extremely small in scale or scope; one millionth
312. 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
313. om__a-3 fat *n.* the last (24th) letter of the Greek alphabet; the ending of a series or sequence
314. standard pr_____re *n.* a way of doing something, especially the official or well-known way
315. a nu_____nt for hair *n.* any substance that is essential for the maintenance and growth of living things
316. tr_____nt by diet *n.* the way in which someone deals with or behaves towards someone or something; medical care provided to a patient for an injury or illness.

ANSWERS: 307. soil, 308. patent, 309. investigate, 310. liquid, 311. micro, 312. fossil, 313. omega, 314. procedure, 315. nutrient, 316. treatment

317. pe___t application *v.* to allow for something to happen or be done; (noun) the act of giving a formal, usually written, authorization
318. mo_____r furniture *adj.* consisting of distinct or separable parts or units that can be joined together and form a complete whole
319. su_____e a blizzard *v.* to live or exist despite a dangerous event or period
320. the infinite in_____ty of man *n.* the quality of inventing things or solving problems in clever new ways
321. minor co_____ic changes *adj.* relating to treatment aimed at restoring or improving a person's appearance and attractiveness; (noun) a substance that you put on your face or body to enhance its appearance and make it more attractive
322. a pro_____ic situation *adj.* full of difficulties; difficult to deal with or solve
323. green m__s *n.* a small, soft plant that grows in a low, compact layer, often on the ground or on rocks
324. improved student ou_____es *n.* the result or effect of an action, event, etc.
325. li_____ng air strike *n.* a flash, or several flashes, of light that accompanies an electric discharge in the atmosphere, or something resembling such a flash
326. w__d two broken pipes *v.* to join two or more pieces of metal together by heating their edges until they melt and fuse

ANSWERS: 317. permit, 318. modular, 319. survive, 320. ingenuity, 321. cosmetic, 322. problematic, 323. moss, 324. outcome, 325. lightning, 326. weld

327. intellectual f__t *n.* a notable or impressive achievement, especially one that requires great skill or bravery
328. re_____r approval ratings *v.* to return to a former condition, health, mind, or strength
329. anaerobic bio_____or *n.* a device or system used to cultivate living cells, tissues, or organisms for industrial or research purposes
330. coconut p__m trees *n.* the inner surface of the hand from the wrist to the base of the fingers; any plant of the family Palmae having an unbranched trunk crowned by large pinnate or palmate leaves
331. ja_____ha seed *n.* a genus of plants in the spurge family, including the species *Jatropha curcas*, whose seeds yield a vegetable oil used in the production of biodiesel fuel
332. a grand con_____on *n.* a general idea or belief of what something or someone is like or should be; an understanding of a situation or a principle
333. dis_____te wealth evenly *v.* to give something to a large number of individuals, or to spread or furnish something
334. pot_____ly affected *adv.* in a possible state or condition; possibly
335. smokeless f__l *n.* a substance that is typically burned to generate heat or energy
336. al__a particle *n.* the first letter in the Greek alphabet; in social and group dynamics, the highest or most dominant member of a group or social hierarchy

ANSWERS: 327. feat, 328. recover, 329. bioreactor, 330. palm, 331. jatropha, 332. conception, 333. distribute, 334. potentially, 335. fuel, 336. alpha

337. bio_____ity conservation *n.* the number and variety of plants and animals that exist in a particular area or the world and make a balanced environment
338. a bac_____nd color *n.* the details of a person's social heritage, such as family, vocational or educational experience; past information that is essential to understanding a situation or problem
339. a reckless at_____t *n.* an act or effort of trying to do something, especially something difficult
340. a fence sur_____ng a castle *adj.* that is near or around, or closely encircling something
341. an of_____re fund *adj.* situated at or happening in the sea, not far from the shore or land; (of winds) coming from the land
342. ot__r in the river *n.* a semiaquatic mammal with a sleek, streamlined body, short legs, webbed feet, and dense, soft fur, found in and around freshwater and coastal areas
343. stylistically inn_____ve works *adj.* introducing or using new methods, ideas, etc.
344. se__r system *n.* an underground system of pipes used to carry away sewage and wastewater
345. env_____nt affairs *n.* the natural world such as air, water, and land in which humans, animals, and plants live
346. cell me_____nes *n.* a soft, thin layer that forms animal or vegetable tissue

ANSWERS: 337. biodiversity, 338. background, 339. attempt, 340. surrounding, 341. offshore, 342. otter, 343. innovative, 344. sewer, 345. environment, 346. membrane

347. mo____r the data carefully v. to observe, check, and track the progress or quality of something over a period of time
348. bioplastic designed to bio_____de v. to decay naturally by microorganisms, such as bacteria and fungi

ANSWERS: 347. monitor, 348. biodegrade

Session 3: Fill in the Blanks

1. The _____ of getting the disease will drastically increase.
n. a chance that something may happen or be true
2. The flying car is presently in the _____ stage.
n. a first or preliminary example of something such as a device or vehicle from which other forms are developed
3. This machine is too difficult to _____ for me.
v. to work in a particular way; to supervise something
4. They used fast-acting _____ on the flowers in the flower beds.
n. any substance that is essential for the maintenance and growth of living things
5. The pilot and flight attendant ran through the check-out _____.
n. a way of doing something, especially the official or well-known way
6. He is good at swimming _____.
adv. below or under the surface of the water
7. Creativity and _____ are often brought about by extreme concentration.
n. the quality of inventing things or solving problems in clever new ways
8. 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: 1. possibility, 2. prototype, 3. operate, 4. nutrients, 5. procedure, 6. underwater, 7. ingenuity, 8. develop

9. 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
10. The _____ held several exotic animals, including lions and tigers.
- n.* a wall, fence, or other barriers that surround an area, keeping it separate and protected
11. The newspaper devoted several _____ to the affair.
- n.* one of the vertical blocks that split content on a page or screen from top to bottom; an upright pillar that often supports an arch, entablature, or other structure or stands alone as a monument
12. Computers have a _____ structure, making it easy to upgrade essential functions.
- adj.* consisting of distinct or separable parts or units that can be joined together and form a complete whole
13. The new strategy will _____ the profitability of our company.
- v.* to increase or improve the quality, amount, or strength of someone or something
14. Several cities are experiencing _____ high unemployment rates.
- adv.* in a way that is very difficult to believe; exceedingly or extremely
15. The tsunami swamped every boat in the _____.
- n.* an area of water next to the coast where ships and boats are protected from rough water by piers, jetties, and other artificial structures; (verb) keep in one's possession

ANSWERS: 9. biomass, 10. enclosure, 11. columns, 12. modular, 13. enhance, 14. incredibly, 15. harbor

16. 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
17. The company's plastic products are easily _____ thanks to a unique manufacturing process.
- v.* to decay naturally by microorganisms, such as bacteria and fungi
18. The phone rang at the most _____ time.
- adj.* suitable or happening at a time that is suitable or convenient for a particular purpose
19. Shakespeare's output of poetry was _____.
- adj.* extremely large or great
20. The _____ train was packed with commuters during rush hour.
- n.* a cylindrical container of metal, plastic, glass, etc., usually sealed and used as a means of preserving food or chemicals; a hollow cylindrical shape
21. He should _____ more with his colleagues.
- v.* to communicate or react with somebody
22. His _____ showed highly positive results.
- n.* the scientific test conducted to observe what happens and gain new knowledge
23. The Prime Minister will pay a courtesy visit to the Nobel laureate's _____.
- n.* a workplace for the conduct of scientific research; a laboratory

ANSWERS: 16. process, 17. biodegraded, 18. opportune, 19. enormous, 20. tube, 21. interact, 22. experiments, 23. lab

24. _____ has jammed the inlet to the water turbine.
- n.* A simple plant that grows in or near water and lacks typical leaves and roots
25. The sponge takes up the _____ well.
- n.* a substance, such as water or oil that flows freely and is neither a solid nor a gas
26. _____ grows in damp, shaded areas and is often found on the forest floor.
- n.* a small, soft plant that grows in a low, compact layer, often on the ground or on rocks
27. 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
28. _____ is the foundation of our economy.
- n.* the practice or science of cultivating the land or raising stock
29. She soaked _____ in water until tender.
- n.* a plant that grows in the sea or on land very close to the sea, especially marine algae
30. _____ moisture is another significant component controlling soil respiration.
- n.* the top layer of Earth in which plants grow
31. I _____ to him that I had seen his sister at the grocery store earlier that day.
- v.* to speak or write about something or someone briefly

ANSWERS: 24. Algae, 25. liquid, 26. Moss, 27. economy, 28. Agriculture, 29. seaweed, 30. Soil, 31. mentioned

32. We should always be prepared to _____ talented recruits.
- v.* to give somebody a job
33. I like to _____ the newspaper headlines in the morning to catch up on the news.
- v.* to read something quickly to get a general idea of its contents; to remove any unwanted or unnecessary material from the surface of a liquid; to glide smoothly or briefly over a surface
34. The plane made a rough _____ and everyone clapped once we came to a stop.
- n.* the act of coming to rest on the ground or another surface after being in flight or jumping; a platform or area of ground where a plane or spacecraft can come to rest
35. This large SUV _____ eight people.
- v.* to provide someone with a place to live or to be stored in; to make fit for or to change to suit a new purpose
36. The airplane was powered by a _____ made from plant-based materials.
- n.* a fuel produced from organic matter, such as crops or waste material, that can be used to replace or supplement traditional fossil fuels
37. The city is upgrading its _____ system to prevent flooding during heavy rain.
- n.* an underground system of pipes used to carry away sewage and wastewater
38. She walked along the _____ and collected shells.
- n.* a part of the coast that is partially enclosed by land; a compartment or section of a ship or building
39. The committee _____ several apparent inconsistencies.
- v.* to conduct a systematic or formal inquiry to identify and evaluate the facts of a crime, problem, statement, etc. to establish the truth

ANSWERS: 32. hire, 33. skim, 34. landing, 35. accommodates, 36. biofuel, 37. sewer, 38. bay, 39. investigated

40. The _____ will repair my telephone tomorrow morning.
- n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software
41. He approved their requests to _____ the jury.
- v.* to take temporary possession of someone's property until a debt is paid.
42. The company's new CEO was known for his _____ personality.
- n.* the first letter in the Greek alphabet; in social and group dynamics, the highest or most dominant member of a group or social hierarchy
43. This bar _____ shows sales over the past five years.
- n.* a picture consisting of a line, lines, points, etc., that shows how two or more sets of certain quantities are related to each other
44. 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
45. The restaurant uses large _____ to store its food ingredients.
- n.* a receptacle or object used to hold, store, or transport something; a large standardized metal box that is used for transporting goods by sea or land
46. They used a special receiver to _____ police radio channels.
- v.* to observe, check, and track the progress or quality of something over a period of time
47. The country was instrumental in promoting the _____ treaty.
- n.* the number and variety of plants and animals that exist in a particular area or the world and make a balanced environment

ANSWERS: 40. engineer, 41. sequester, 42. alpha, 43. graph, 44. fossil, 45. containers, 46. monitor, 47. biodiversity

48. The _____ rainstorm caused the collapse of the corral.

adj. not anticipated or regarded as likely to happen

49. The desalination plant turned _____ into drinking water through a complex process.

n. water from the sea or ocean, typically containing salt and various other dissolved minerals

50. The third _____ was far more successful.

n. an act or effort of trying to do something, especially something difficult

51. The rabbit _____ over the fence.

v. to jump lightly and quickly on one foot or both feet; to move rapidly from one place to another; to travel using an aircraft, bus, etc.

52. I ordered a dozen _____ as an appetizer at the seafood restaurant.

n. a bivalve mollusk with a rough irregular shell, often eaten raw or cooked, and sometimes used as a pearl-producing animal or a source of mother-of-pearl

53. The human eye is _____ in recognizing objects.

n. a flash, or several flashes, of light that accompanies an electric discharge in the atmosphere, or something resembling such a flash

54. We cannot _____ her as President.

v. to imagine or expect what a situation will be like in the future

55. The company undertakes _____ development for software companies in many countries.

adj. situated at or happening in the sea, not far from the shore or land; (of winds) coming from the land

ANSWERS: 48. unexpected, 49. seawater, 50. attempt, 51. hopped, 52. oysters, 53. lightning-fast, 54. envision, 55. offshore

56. The playful _____ swam around the river, diving in and out of the water.
n. a semiaquatic mammal with a sleek, streamlined body, short legs, webbed feet, and dense, soft fur, found in and around freshwater and coastal areas
57. I asked the lawyer to initiate _____ negotiations for voluntary liquidation.
n. a person, company, etc. to whom a debtor owes money
58. Computers help people _____ specific memories.
v. to keep or continue to possess or maintain something
59. The passenger grabbed for the _____ mask.
n. the chemical element with the symbol O that is present in air and water and is necessary for people, animals, and plants to live
60. It seems _____ that he has forgotten our scheduled meeting.
adj. likely to happen or likely to be true
61. 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
62. The spaceship began to burn up as it approached the Earth's _____.
n. the mass of air that surrounds the Earth; the pervading tone or mood of a place, situation, or creative work
63. The company is set to _____ its new product line next month.
v. to send or propel something into the air or space using a device such as a rocket, missile, or spacecraft; to make something available or on sale for the first time

ANSWERS: 56. otter, 57. creditor, 58. retain, 59. oxygen, 60. probable, 61. facility, 62. atmosphere, 63. launch

64. This approach employs both _____ and macro analysis methods.
n. extremely small in scale or scope; one millionth
65. The primary purpose of the _____ is pain relief.
n. the way in which someone deals with or behaves towards someone or something; medical care provided to a patient for an injury or illness.
66. I am _____ opposed to his idea because of morality.
adv. without restriction or limitation; completely or utterly
67. It is an incredible _____ to climb Mount Everest, the highest mountain in the world.
n. a notable or impressive achievement, especially one that requires great skill or bravery
68. The _____ smell lingered in the backyard long after the creature had left.
n. a small, carnivorous mammal known for its black and white striped fur and its ability to release a strong, foul-smelling odor from its anal glands when threatened; (skunk works) a group within an organization that is given a high degree of autonomy and is unhampered by bureaucracy
69. He _____ serious accounting irregularities that only people in the company's executive could know.
v. to allow liquid or gas to get in or out from a hole or crack in a pipe or container
70. The shark's powerful _____ allowed it to swim at high speeds.
n. a thin flat part on the body of a fish or other aquatic animal used for propulsion or balance
71. The restaurant offered delicious food at an _____ price.
adj. costing little; having a low price

ANSWERS: 64. micro, 65. treatment, 66. absolutely, 67. feat, 68. skunk, 69. leaked, 70. fins, 71. inexpensive

72. I have no _____ of what you intend.

- n.* a general idea or belief of what something or someone is like or should be; an understanding of a situation or a principle

73. The mobile application industry is a _____ one.

- adj.* involving competition or competitiveness

74. 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

75. The experience was _____ and left a lasting impression.

- adj.* extremely unpleasant or bad; causing fear or disgust

76. Our company must continue to strive for greater _____.

- n.* the state or quality of doing something well with no waste of input such as time or money

77. This exam requires excellent _____ to pass.

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

78. The _____ dish was a popular menu item at the seafood restaurant.

- n.* a marine bivalve mollusk that typically has a fluted fan-shaped shell

79. The _____ of this bird is freshwater areas and saltwater marshes.

- n.* the type of natural environment in which an organism or group usually lives or occurs

ANSWERS: 72. conception, 73. competitive, 74. environment, 75. horrible, 76. efficiency, 77. concentration, 78. scallop, 79. habitat

80. _____ can cause allergic reactions in certain people.
n. water creatures that live in shells, especially one of the types that can be eaten
81. 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
82. The new president was _____ immediately after the national election.
v. to fix furniture, a machine, or a piece of equipment into position so that it can be used; put into an office or a position
83. Solar gravity creates _____ pressures and temperatures.
adj. very great in amount or degree
84. The landscaper recommended a layer of rubber _____ for the children's playground as it provides cushioning and minimizes injuries from falls.
n. a protective covering, often made of organic materials such as wood chips, straw, or leaves, applied to the soil around plants to suppress weed growth, retain moisture, and provide insulation
85. The baby peacefully slept in her _____ surrounded by stuffed animals and blankets.
n. a small bed for an infant, often designed to rock back and forth; a place or region where something begins or originates
86. The Prime Minister stressed the need to create _____ industries.
adj. introducing or using new methods, ideas, etc.

ANSWERS: 80. Shellfish, 81. bubble, 82. installed, 83. extreme, 84. mulch, 85. cradle, 86. innovative

87. Her research team made an important _____.
- n.* the act or process of finding information, a place, or an object, or learning about something that was previously not known
88. The organization held _____ consultations to gather input on the project.
- n.* a person or group that has an interest or concern in something, especially a business
89. I must install a new programming _____ for my computer program to function properly.
- n.* a self-contained unit or component of a larger system or structure; a standardized unit of computer hardware or software designed to perform a specific function
90. Many people use ____ sauce for sushi, stir-fries, and marinades.
- n.* a legume plant that is widely cultivated for its edible bean, which has many uses, such as for oil, food, and animal feed
91. The tornado is _____ across the countryside, destroying everything in its path.
- v.* to cause something to rotate rapidly; to cause someone to feel dizzy or disoriented
92. 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
93. Fish farming is a form of _____ that has recently gained popularity.
- n.* the cultivation of aquatic organisms such as fish, seaweed, and shellfish for human consumption, as well as for environmental conservation and research purposes

ANSWERS: 87. discovery, 88. stakeholder, 89. module, 90. soy, 91. spinning, 92. biology, 93. aquaculture

94. Cities around the world set records for highest _____ this summer.
n. the degree of hotness or coldness of a thing or place
95. The majority of the people on the island are _____ folk.
n. an area of water where fish are caught in large quantities for living; a business or practice of catching and selling fish
96. The scientists optimized the conditions in the _____ to increase the yield of the desired product.
n. a device or system used to cultivate living cells, tissues, or organisms for industrial or research purposes
97. The _____ effect is a phenomenon that happens naturally.
n. a building with walls and roof made chiefly of transparent material, such as glass, for growing plants in
98. The _____ chip in my credit card allows me to make contactless payments.
adj. fixed firmly into the surface of something
99. Nearly all tractors operate on _____ fuel.
n. a type of heavy oil used as fuel; a vehicle or engine that uses diesel fuel
100. She is still _____ from a shot to her shoulder.
v. to return to a former condition, health, mind, or strength
101. People can _____ from a lack of oxygen in confined spaces.
v. to die or cause someone to die from lack of air or inability to breathe; to be overwhelmed or constricted by a feeling or situation, such as anxiety or oppression

ANSWERS: 94. temperatures, 95. fishery, 96. bioreactor, 97. greenhouse, 98. embedded, 99. diesel, 100. recovering, 101. suffocate

102. The wooden gate had been damaged, and the hedge had become _____.
adj. covered in plants that have been allowed to grow naturally and have not been controlled
103. Their company has been in business for a short time but has _____ goals.
adj. having a great desire to attain achievement, power, or wealth
104. He has _____ his wealth through real estate investments.
v. to collect or acquire a large number of things over a long period of time
105. 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
106. I ordered the _____ in a white wine sauce for dinner.
n. a type of shellfish that lives in freshwater or saltwater has a hard, elongated shell and is edible
107. It's important to understand the _____ of a situation before making a decision.
n. the circumstances, facts, or conditions that surround a particular event, situation, or statement and that give it meaning
108. The organization assisted in the de-escalation of _____ violent situations.
adv. in a possible state or condition; possibly
109. This argument is still not _____.
adj. enough, acceptable, satisfactory for a particular purpose or need

ANSWERS: 102. overgrown, 103. ambitious, 104. accumulated, 105. efficient, 106. mussels, 107. context, 108. potentially, 109. adequate

110. Direct democracy is effective in quickly resolving _____ situations within a community.
adj. full of difficulties; difficult to deal with or solve
111. Management must take _____ responsibility for the accident.
adj. furthest or highest in degree or order
112. I stopped by the branch though I have no business of _____.
n. the quality of being important and worthy of note
113. The _____ mountains make the city difficult to be invaded.
adj. that is near or around, or closely encircling something
114. The farmer harvested his _____ crop and took it to market.
n. a legume crop widely cultivated for its nutritious seeds, often ground into meal or pressed into oil for food products, with other uses including animal feed, fuel, and industrial applications
115. I don't want to _____ for second best.
v. to reach an agreement of disagreement
116. Product development is a _____ effort.
adj. done or shared by every member of a group of people
117. We _____ to achieve more wages and safer working conditions.
v. to wallop somebody or something with the hand, fist, or weapon; to have an emotional or cognitive impact upon
118. The animal rights group worked to _____ the dolphins back into the wild.
v. to set free or allow to escape from confinement

ANSWERS: 110. problematic, 111. ultimate, 112. importance, 113. surrounding, 114. soybean, 115. settle, 116. collective, 117. strike, 118. release

119. Marine _____ populations are declining worldwide due to ocean pollution.
n. any animal of which the female gives birth to live young, not eggs, and feeds her young on milk from her own body
120. Animal protection groups call for an end to animal testing in a _____.
n. a workplace for doing scientific research or teaching science; a lab
121. He kept his robust _____ in his company.
n. complete trust in something or someone's ability or knowledge; a strong belief in religion, divine power, etc.
122. RADAR is an _____ for radio detection and ranging.
n. a word formed from the first letter of each word in a phrase, such as NASA (National Aeronautics and Space Administration) or AIDS (Acquired Immune Deficiency Syndrome)
123. This high-performance camera is compact enough to fit in the _____ of your hand.
n. the inner surface of the hand from the wrist to the base of the fingers; any plant of the family Palmae having an unbranched trunk crowned by large pinnate or palmate leaves
124. The garden was full of _____ that needed to be pulled.
n. a wild plant growing where it is not wanted and in competition with cultivated plants
125. _____ surgery is becoming more common in Asia due to lowering prices.
adj. relating to treatment aimed at restoring or improving a person's appearance and attractiveness; (noun) a substance that you put on your face or body to enhance its appearance and make it more attractive

ANSWERS: 119. mammal, 120. laboratory, 121. faith, 122. acronym, 123. palm, 124. weeds, 125. Cosmetic

126. His estate was _____ to his sons.

- v.* to give something to a large number of individuals, or to spread or furnish something

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

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

128. 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

129. The company has filed for a _____ to protect its new invention.

- n.* a legal document that grants an inventor exclusive rights to their invention for a certain period of time; the invention or process for which a patent has been granted

130. His class will cover an introduction to agricultural _____.

- n.* the branch of social science that deals with the production, consumption, and transfer of goods and services

131. The supermarket encourages shoppers to _____ plastic bags.

- v.* to use something again or more than once

132. These birds can only _____ in temperate climates.

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

133. She has a good _____ for being one of the best chefs in the city.

- n.* the general opinion that people have about someone or something, especially when this is based on their previous experiences or behaviors

ANSWERS: 126. distributed, 127. alternative, 128. carbon, 129. patent, 130. economics, 131. reuse, 132. survive, 133. reputation

134. The ____ scarcity most severely impacted the manufacturing sector
- n.* a substance that is typically burned to generate heat or energy
135. When the first molecule in the _____ receives a signal, it activates other molecules.
- n.* a track that constitutes or serves as a path; an approach or a way of doing something
136. They are planning to _____ the house after the fire.
- v.* to build again or anew
137. 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
138. The teacher will not _____ any students to leave the classroom early.
- v.* to allow for something to happen or be done; (noun) the act of giving a formal, usually written, authorization
139. Without investment, a business cannot _____.
- v.* to grow vigorously; to make steady progress
140. The smoke filled the room because the ____ pipe had jammed.
- n.* a pipe or tube used to remove smoke, gas, or hot air from a fire, heater, or oven
141. As that country developed its industry, it began to invest more in _____ treatment technology.
- n.* water that contains waste substances from homes, farms, factories, etc.

ANSWERS: 134. fuel, 135. pathway, 136. rebuild, 137. innovation, 138. permit, 139. thrive, 140. flue, 141. wastewater

142. _____ panels have greatly improved not only in performance but also in durability.
adj. of, from, or relating to the sun
143. _____ oil can be processed into biodiesel for use in vehicles and machinery.
n. a genus of plants in the spurge family, including the species *Jatropha curcas*, whose seeds yield a vegetable oil used in the production of biodiesel fuel
144. The development of thin-film _____ has allowed for a wider range of applications in building design.
n. a branch of technology that involves the conversion of sunlight into electricity using solar cells or other photoelectric devices; the generation of electricity directly from sunlight, typically using solar panels
145. 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
146. The imperial _____ was standardized legally by the British Empire.
n. a unit for measuring volume, in the US, it is equal to about 3.79 liters, and in the UK, Canada, and other countries, it is equal to about 4.55 liters
147. 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
148. The company's hiring criteria emphasize personality, not a person's _____.
n. the details of a person's social heritage, such as family, vocational or educational experience; past information that is essential to understanding a situation or problem

ANSWERS: 142. Solar, 143. *Jatropha*, 144. photovoltaics, 145. integrate, 146. gallon, 147. planet, 148. background

149. Seals and whales are _____ animals beloved by the people.
adj. relating to the sea and the creatures and plants that live there
150. You must _____ with others to obtain this position.
v. to strive to achieve more success than someone or something
151. Radiation from _____ has a different wavelength.
n. the light emitted by the sun; the rays of the sun
152. The government established by the coup was more _____ than before.
adj. relating to the essential aspects of anything; far beyond the norm, mainly used of opinions and actions
153. _____ oil is a popular choice for cooking due to its low saturated fat content.
n. a type of oilseed plant that belongs to the cabbage family, characterized by its yellow flowers and green pods; the oil extracted from the seeds of this plant, often used for cooking and as an ingredient in various products
154. You can be more _____ and creative in your approach.
adj. able to change or be changed to suit new conditions or situations; able to bend easily
155. The organizational _____ of start-ups is often flat and straightforward.
n. the way of construction of something and the arrangement of its parts, or a complex thing constructed of many parts
156. New York is a city with a _____ ethnic population.
adj. including numerous categories of individuals or entities; various

ANSWERS: 149. marine, 150. compete, 151. sunlight, 152. radical, 153. Canola, 154. flexible, 155. structure, 156. diverse

157. The fishermen were alarmed to see a flock of _____ circling above the water.
n. a bird species that spends much of its life on or near the sea, often feeding on fish and other marine animals
158. The government should do more to support environmentally _____ agriculture.
adj. able to continue or be continued for a long time
159. The _____ seeds can be roasted and eaten as a snack.
n. a plant with large, round flower heads that have bright yellow petals and a dark center, grown for its edible seeds and oil, as well as for decorative purposes
160. Humankind took centuries to _____ true democracy.
v. to finish or achieve something successfully
161. The _____ demonstrate that poverty and unemployment are genuine problems.
n. the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data
162. During _____ farmers are incredibly busy.
n. yields of plants in a single growing season; the period of the year when gathering occurs on a farm
163. The fan _____ the air in the room quickly.
v. to move continuously or freely around a place or closed system
164. 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

ANSWERS: 157. seabirds, 158. sustainable, 159. sunflower, 160. accomplish, 161. statistics, 162. harvest, 163. circulates, 164. fertilizers

165. Government workers cannot _____ to political campaigns.
- v.* to give something, especially money or goods, to provide or achieve something together with other people
166. _____ fatty acids are a type of polyunsaturated fat that is important for heart health.
- n.* the last (24th) letter of the Greek alphabet; the ending of a series or sequence
167. A _____ of economic advisers from the United States visited the country to help rebuild its economy.
- n.* a square or rectangular and flat piece of something that forms a distinct section or component of something; a small group of specialists who discuss particular topics or give their advice or opinion about something
168. Sow early for an early _____.
- n.* a plant that is cultivated in large amounts, particularly for food
169. Loud noises might harm the fragile ear _____.
- n.* a soft, thin layer that forms animal or vegetable tissue
170. The farm covers over 200 _____ of land.
- n.* a unit of land area in the US Customary System and the British Imperial System, equal to 4,840 square yards (= 4,047 square meters)
171. Some types of _____ are used in the production of biofuels due to their ability to convert sunlight into energy.
- n.* a microscopic species of algae that are often used for their high nutritional value, particularly as a source of protein or for the production of biofuels
172. A diversified plant species generally enhances beneficial _____ populations.
- n.* a tiny living thing

ANSWERS: 165. contribute, 166. Omega-3, 167. panel, 168. crop, 169. membrane, 170. acres, 171. microalgae, 172. organism

173. He learned how to _____ metal in his high school shop class.

- v.* to join two or more pieces of metal together by heating their edges until they melt and fuse

174. They awaited news of the _____ of the election.

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

ANSWERS: 173. weld, 174. outcome