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Maria Gallucci: The carbonless fuel that could change how we ship goods | TED Talk

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

All Words

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Session 1: Word List

pollute

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

synonym: contaminate, corrupt, degrade

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

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

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.

voyage

n. a long journey, especially by sea or in space

synonym: journey, trip, excursion

(1) a **voyage** of discovery, (2) take a **voyage**

The astronaut trained for years before embarking on her **voyage** to the International Space Station.

apparently

adv. based on what you have heard or read

synonym: evidently, obviously, supposedly

(1) **apparently** simple, (2) **apparently** unrelated

The police **apparently** believed this explanation was plausible.

incurable

adj. not able to be cured, healed, or remedied; beyond recovery or redemption

synonym : unrecoverable, irreparable, hopeless

(1) **incurable** patient, (2) **incurable** romantic

The patient was diagnosed with an **incurable** disease and given only a few months to live.

seasick

adj. feeling ill or nauseous as a result of being on a ship or boat that is moving or rocking back and forth in a rough sea; suffering from motion sickness

synonym : nauseous, seasickness, queasy

(1) avoid getting **seasick**, (2) **seasick** medication

The rough waves made some passengers feel **seasick** during the boat ride.

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.

fume

v. to emit gas, smoke, vapor, or a strong, unpleasant odor; to show anger, irritation, or annoyance in a visible way;
(noun) gas or vapor that is emitted from a substance, usually as a result of heating or combustion

synonym : smoke, vaporize, emit

(1) **fume** with anger, (2) acrid **fumes**

The angry customer began to **fume** when their order was delayed.

spew

v. to eject forcefully and abundantly; to flow out rapidly and in large amounts

synonym : vomit, spout, discharge

(1) **spew** carbon dioxide, (2) **spew** insults

The volcano started to **spew** lava and ash, causing panic

among residents.

freighter

n. a ship, aircraft, or other vehicle used for transporting cargo or goods in bulk

synonym: cargo ship, transport vessel, container vessel

(1) **freighter** ship, (2) bulk **freighter**

The **freighter** crew worked around the clock to unload the cargo at the port.

vessel

n. a ship or large boat

synonym: boat, ship, craft

(1) blood **vessels**, (2) naval **vessels**

The **vessel** arrived in port the following day.

breeze

n. a gentle wind that is not very strong or forceful, typically cool and refreshing

synonym: wind, gust, puff

(1) a **breeze** from an open window, (2) fresh ocean **breeze**

The summer **breeze** was refreshing after the hot day.

cardamom

n. a spice made from the seeds of several plants belonging to the ginger family, used in both sweet and savory dishes for its strong, warm, and slightly sweet flavor and aroma

synonym: spice, seasoning, flavoring

(1) **cardamom** tea, (2) **cardamom** rice

I love the flavor of **cardamom** in my chai tea.

camomile

n. a plant with white, daisy-like flowers that is widely used to make tea and herbal remedies, known for its calming and soothing qualities

(1) **camomile-extract**, (2) **camomile** scent

Camomile tea is known for its calming effects on the body and mind.

chug

v. to make a dull, steady, and repetitive sound, as if from an engine or machine; to drink, especially alcohol,

quickly and in large quantities; (noun) the sound made by a vehicle, particularly a train or a boat, as it moves steadily and slowly

synonym: chuff, puff, toot

(1) **chug** on a cigarette, (2) **chug** beer

The old locomotive **chugged** slowly along the tracks, pulling a long line of freight cars.

modern

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

synonym: contemporary, stylish, current

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

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

cargo

n. the goods carried by ship, aircraft, or other vehicles

synonym: shipment, freight, burden

(1) plenty of **cargo** space, (2) unload the **cargo**

During the war, many **cargo** ships were converted into battleships.

rely

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

synonym: depend, count, lean

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

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

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

fortunate

adj. having good luck or lucky

synonym: fortuitous, lucky, blessed

(1) **fortunate** situation, (2) less **fortunate** person

He was pretty **fortunate** to pass the exam.

industrious

adj. hardworking, diligent, and persistent in effort

synonym: diligent, hardworking, assiduous

(1) **industrious** worker, (2) **industrious** student

He was known to be very **industrious** and would often work late into the night.

rev

n. a measure of the rate at which an engine or motor rotates, often expressed in revolutions per minute (RPM); (verb) to increase the number of rotations per minute

synonym: revolution, RPM, speed

(1) low- **rev** engine, (2) **rev** up the crowd

He stepped on the gas pedal, and the engine released a loud **rev**.

old-fashioned

adj. of or relating to a time in the past; not modern

synonym: antiquated, ancient, outdated

(1) an **old-fashioned** person, (2) **old-fashioned** in appearance

My father is **old-fashioned** in his thinking.

ammonia

n. a compound of nitrogen and hydrogen that forms a gas with a strong smell, used as cleaning substances, fertilizers, and explosives

(1) **ammonia** water, (2) inhale **ammonia** fumes

The advent of **ammonia** fertilizers markedly increased agricultural productivity.

stink

v. to emit a strong, unpleasant odor; to have a strong offensive smell; to be corrupt or unethical

synonym : reek, smell, odor

(1) **stink** up the place, (2) **stink** badly

The garbage in the alley began to **stink** after a few hot days.

toxic

adj. of or relating to or caused by a poison; poisonous

synonym : poisonous, harmful, contaminated

(1) **toxic** molecule, (2) exposure to **toxic** chemicals

This chemical compound is a thousand-fold more **toxic**.

explosive

adj. easily able or likely to shatter violently or burst apart; sudden and loud

synonym : volatile, dangerous, fiery

(1) **explosive** device, (2) an **explosive** personality

This container stores an **explosive** substance.

chemical

adj. relating to or connected with chemistry;

synonym : chemic, synthetic

(1) toxic **chemicals**, (2) a **chemical** compound

The firm has grown into a large **chemical** manufacturing.

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**.

convinced

adj. completely certain about something; having a strong belief or conviction in a particular religion

synonym : confident, positive, indoctrinated

(1) **convinced** of the idea, (2) **convinced** criminal

The public is **convinced** that the prime minister has committed fraud.

giant

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

synonym : big, gigantic, huge

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

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

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.

crisscross

v. to move or make lines that intersect or cross each other in a pattern resembling a series of X's

(1) **crisscross** over the edges of the walls, (2) **crisscross** my heart

The roads **crisscrossed** through the countryside, creating a beautiful scenic drive.

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.

trillion

n. the number 1,000,000,000,000; a million million

(1) **trillion** cubic feet, (2) many **trillions** of dollars

One light year is nearly 6 **trillion** miles.

roughly

adv. approximately but not precisely; with a violent manner

synonym : approximately, more or less, around

(1) **roughly** explain my idea, (2) **roughly** speaking

Five miles is **roughly** similar to eight kilometers.

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.

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.

emission

n. the act of production or sending out gas, heat, light, etc.

synonym: emanation, radiation, discharge

(1) global **emissions** of greenhouse gases, (2) the **emission** of light

There are five distinct **emissions** at five unique wavelengths.

emit

v. to give off or send out something such as light, heat, sound, gas, etc.

synonym: give off, radiate, expel

(1) **emit** a gamma ray, (2) **emit** air pollution

During the unloading, the container box **emits** a clicking sound.

trail

n. a path or track roughly through a countryside, mountain, or forest area, often made or used for a particular purpose; (verb) to lag or linger behind

synonym: footpath, track, course

(1) a warm **trail**, (2) follow the **trail**

The storm left a **trail** of destruction behind it.

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.

soar

v. to fly or rise very high or to a great height, often with great grace or ease

synonym: fly, rise, ascend

(1) **soar** in popularity, (2) **soar** to new heights

The bird **soared** through the sky, and its wings spread wide.

chart

n. a visual display of information such as a diagram, lists of figures, etc.; a map designed to assist navigation by air or sea

synonym: diagram, graph, map

(1) a weather **chart**, (2) a statistical **chart**

This pie **chart** represents our market share.

climate

n. the weather in a particular location averaged over some long period

synonym: atmosphere, weather, environment

(1) a cold **climate**, (2) effects of **climate** change

Climate and weather have an impact on every part of our lifestyles.

confer

v. to have a meeting or discussion to come to a decision or agreement or exchange ideas; to bestow something

synonym: consult, meet, discuss

(1) **confer** degree, (2) **confer** honor

The leaders of the two countries met to **confer** on the issue.

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.

attend

v. to be present at an event, to go to a place

synonym : go, be present, accompany

(1) **attend** a meeting, (2) **attend** service

We must **attend** to this matter.

tab

n. a small flap or strip of material attached to or projecting from something; the key on a typewriter or a word processor that causes a tabulation; a bill

synonym : tag, label, marker

(1) split a dinner **tab**, (2) open a **tab**

He kept a **tab** on his expenses by writing them down in a notebook.

coalesce

v. to come together or merge into a single group, mass, or whole; to blend or combine elements or ideas into a unified whole

synonym : merge, combine, unite

(1) **coalesce** ideas, (2) **coalesce** with the other

The various departments of the company will **coalesce** into one cohesive unit.

dominant

adj. more important, influential, or easy to notice than anything else of the same type

synonym : chief, predominant, prevailing

(1) achieve a **dominant** share, (2) **dominant** force

Her company soon won a **dominant** market share.

investor

n. someone who puts money or capital into something to gain financial returns

synonym: financier, banker, stockholder

(1) **investor** lawsuit, (2) a real estate **investor**

Institutional **investors** refrained from buying stocks amid the booming economy.

shipbuilder

n. a person or company that builds ships, typically working with steel and other durable materials to construct both commercial and military vessels

synonym: shipwright, boatbuilder, naval architect

(1) **shipbuilder** industry, (2) **shipbuilder** contract

The **shipbuilder's** expertise in naval architecture made them the top choice for the job.

manufacture

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

synonym: create, fabricate, assemble

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

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

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.

pungent

adj. having a strong, sharp odor or taste

synonym: sharp, acrid, biting

(1) **pungent** criticism, (2) **pungent** taste

The **pungent** aroma of garlic filled the kitchen.

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.

molecule

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

synonym: particle, element, atom

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

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

oxide

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

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

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

nitrogen

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

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

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

component

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

synonym: element, part, factor

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

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

hydrogen

n. the chemical element that is the lightest gas is colorless, odorless, tasteless, and combines with oxygen to form water

(1) **hydrogen** gas, (2) heavy **hydrogen**

The **hydrogen** and the oxygen react and then form water.

petroleum

n. a flammable liquid consisting of a complex mixture of hydrocarbons that occurs naturally in certain rock formations and can also be refined to produce fuels such as gasoline, diesel, and jet fuel

synonym : oil, crude oil, fossil fuel

(1) liquefied **petroleum** gas, (2) crude **petroleum**

The country's economy relies heavily on its **petroleum** industry.

refinery

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

synonym : plant, factory, processing plant

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

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

turbine

n. a machine that rotates to generate power from fluids such as water or gas

synonym : engine, generator, power plant

(1) **turbine** energy, (2) **turbine** aerofoil

The wind **turbines** were spinning rapidly, generating clean energy for the nearby town.

hydropower

n. electricity generated from the energy of moving water, usually using turbines and dams in rivers or other bodies of water

synonym : hydroelectricity, waterpower, hydro

(1) **hydropower** plant, (2) **hydropower** energy

Many countries around the world have built dams to harness the power of **hydropower** for their energy needs.

renewable

adj. capable of being renewed, extended, or replaced

synonym : sustainable, replaceable

(1) **renewable** energy, (2) **renewable** subscriptions

The production of **renewable** fuels requires massive volumes of fresh water.

electrify

v. to make a machine or system work by using electricity; to make someone extremely enthusiastic about or interested in something

synonym: wire, amaze, astonish

(1) **electrify** the audience, (2) **electrify** a manufacturing process

The product developed through years of research continues to **electrify** the market.

ordeal

n. a painful, difficult, or dangerous experience or trial; a severe test of endurance or patience

synonym: trial, hardship, torment

(1) **ordeal** by fire, (2) emotional **ordeal**

The car accident was a traumatic **ordeal** for everyone involved.

electrolysis

n. a process or technique of chemical decomposition produced by passing an electric current through an ion-containing liquid or solution

(1) **electrolysis** apparatus, (2) copper **electrolysis** process

The **electrolysis** of water produces oxygen and hydrogen.

split

v. to divide, or to make something divide into two or more parts, especially along a particular line

synonym: break, divide, break apart

(1) **split** a bill, (2) **split** a reward equally

Companies often **split** their shares to lower the stock price and encourage investors to buy.

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.

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.

separate

v. to force, take, or pull apart; mark as different

synonym : disunite, isolate, ramify

(1) **separate** video into chapter, (2) **separate** cream from milk

We need to **separate** the aspect of his personality from the part of his competence when making an investment decision.

combine

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

synonym : coalesce, cohere, blend

(1) **combine** chemically with another substance,
(2) **combine** augmented reality

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

industrial

adj. of or relating to or resulting from industry

synonym : manufacturing, mechanical

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

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

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.

internal

adj. of or relating to the inside of something

synonym : interior, inner, domestic

(1) **internal** organs, (2) the **internal** economy

The prime minister canceled visits to other countries to resolve **internal** disputes.

combustion

n. the act or process of burning something

synonym : burning, burst

(1) internal **combustion** engine, (2) spontaneous **combustion**

Combustion of the people grew until the revolt was unavoidable.

engine

n. a machine that converts thermal energy to mechanical work; something that has an important role used to achieve a purpose

synonym : motor, locomotive, driver

(1) a steam **engine**, (2) an air-cooled **engine**

The policies he announces can be the **engine** of economic growth in the country.

modification

n. the act of changing something, usually to improve it, or something changed

synonym : change, amendment, alteration

(1) a **modification** of last year's model, (2) further **modification**

As a result of this **modification**, we have revised our safety measures.

adopt

v. to choose to follow something; to legally take a child from another family and care for them as if they were one's own

synonym : accept, assume, take on

(1) **adopt** a child, (2) **adopt** a bill

The national assembly has **adopted** the budget.

reaction

n. a response that reveals a person's feelings or attitude;
(in chemistry) a process in which one or more
substances are changed into others

synonym : response, reply, answer

(1) chemical **reaction**, (2) trigger a **reaction**

There was a chemical **reaction** of the lime with the
groundwater.

motor

n. a device that converts electricity, fuel, etc. into
movement and makes a machine, vehicle, etc. work

synonym : actuator, engine, machine

(1) a **motor** mechanic, (2) DC **motor** control

Energy-efficient **motors** are needed to maximize the cruising
distance of electric vehicles.

propeller

n. a device with rotating blades or vanes used for
propulsion or creating lift, typically used on boats or
aircraft

synonym : prop, rotor, fan

(1) **propeller** design, (2) **propeller** aircraft

The boat's **propeller** stopped working in the middle of the
lake.

underway

adj. having started and currently in progress

synonym : afoot, ongoing, in motion

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

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

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.

puzzle

n. a situation that is difficult to follow or solve; a game, problem, or toy that tests a person's ingenuity or knowledge; (verb) to cause someone to feel confused because of something difficult to understand

synonym : plight, maze, (verb) perplex

(1) crossword **puzzle**, (2) mathematical **puzzle**

This jigsaw **puzzle** is challenging because there are no pictures.

infrastructure

n. the basic systems, services, or features that are necessary for an organization or country, such as transport and power supplies

synonym : foundation, framework

(1) IT **infrastructure**, (2) **infrastructure** cost

Aging societies tend to require huge costs for **infrastructure** maintenance.

storage

n. the act or process of putting in and keeping something in a particular place for use in the future; an electronic memory device that can store information

synonym : storehouse, depository, warehousing

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

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

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.

pipeline

n. a very long large tube that is usually underground and is used for carrying liquid or gas for long distances

synonym : channel, line

(1) a data **pipeline**, (2) **pipeline** facilities

Rebels sabotaged the main **pipeline** supplying oil.

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.

novel

n. an extended fictional work in prose; usually in the form of a story; (adjective) original and of a kind not seen before

synonym: fiction, story, (adjective) innovative

(1) historical **novel**, (2) **novel** effect

The **novel** has largely gotten positive feedback.

caution

n. great care and attention that you take to avoid danger or mistakes; a warning against certain acts

synonym: carefulness, warning, notice

(1) extreme **caution**, (2) act with **caution**

He gave a stern **caution** to the naughty student.

mainstream

n. the ideas, opinions, beliefs, etc., that are considered normal or accepted by most people

synonym: prevailing, average, common

(1) join the **mainstream**, (2) **mainstream** political beliefs

His thinking is **mainstream** in the country's culture.

rough

adj. not quite exact or correct; having or caused by an irregular surface

synonym: inelegant, coarse, barbarian

(1) **rough** and tough, (2) **rough** estimation

The vehicle bounced along the **rough** mountain road.

parallel

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

synonym: aligned, side-by-side, similar

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

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

policy

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

synonym : strategy, plan, guideline

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

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

encouraging

adj. giving hope, confidence, or support; inspiring

synonym : uplifting, inspiring, optimistic

(1) **encouraging** approval, (2) **encouraging** sign

The test results were **encouraging** and showed improvement.

boom

n. a sudden increase in economic activity, or a sudden happening that brings good fortune; a deep, loud, and prolonged sound

synonym : roaring, prosperity, boost

(1) **boom** in sales, (2) a sonic **boom**

The high-technology industry is enjoying a **boom**.

battery

n. a device that is placed inside a car, gadget, equipment, etc. and that provides electrical power to them

synonym : electric cell, array, batch

(1) a dry **battery**, (2) **battery** charging

The engine did not start because the **battery** was flat.

plummet

v. to fall or drop suddenly and steeply; to decline rapidly or sharply

synonym : drop, plunge, fall

(1) **plummeting** sales, (2) **plummet** against other major currencies

The stock prices have **plummeted** in the last hour, causing concern for investors.

afford

v. to have enough money or time to be able to buy or do something

(1) **afford** to buy a new car, (2) **afford** a high travel cost
He cannot **afford** a holiday.

curb

v. to restrain, limit, or control something; to reduce or put a stop to something undesirable; (noun) the raised edge or barrier along the edge of a street, road, or sidewalk

synonym: restrain, limit, control

(1) **curb** appetite, (2) **curb** anxiety

He tried to **curb** his anger during the argument with his friend.

incentivize

v. to make someone want to do in a particular way by offering them a reward

synonym: encourage, motivate

(1) **incentivize** carpooling, (2) **incentivize** the right behavior

Governments **incentivize** their citizens to buy eco-friendly products through subsidies.

invest

v. to put money, effort, time, etc. into something to make a profit or achieve a result

synonym: fund, sponsor, support

(1) **invest** in stocks, (2) **invest** capital

The government should view children as national assets and actively **invest** in them.

spur

n. a thing that encourages someone to do something; any sharply pointed projection; (verb) to incite or stimulate someone or something

synonym: encouragement, motivation, stimulus

(1) **spur** of the moment, (2) **spur** a momentum of economic growth

The threat of losing his job was the **spur** he needed to work harder.

shift

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

synonym: transition, change, modification

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

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

decline

v. to become gradually smaller, fewer, worse, etc.; to refuse to accept

synonym: descend, drop, deny

(1) **decline** a job offer, (2) **decline** in quality

As people age, their digestive capacity also gradually **declines**.

operator

n. a person who uses and controls machinery or equipment; a mathematical symbol used to perform calculations

synonym: controller, handler, manipulator

(1) **operator** error, (2) an elevator **operator**

The **operator** of the machine must follow strict safety protocols.

plunge

v. to dive quickly and steeply downward; to thrust or throw into something; (noun) a steep and rapid fall

synonym: dive, drop, thrust

(1) **plunge** into the water, (2) **plunge** a dagger through his heart

The company's profits **plunged** after the recall of their new product.

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.

sprawl

v. to sit, lie, or fall with one's arms and legs spread out

synonym: drape, spread out

(1) **sprawl** out luxuriously on the sofa, (2) **sprawl** for acres
The lush vegetation **sprawls** across the wonderfully landscaped gardens.

array

n. a large group or collection of things or people, especially one that is impressive or attractive

synonym: collection, display, batch

(1) a two-dimensional **array**, (2) an **array** of troops

The customer on the Internet has to choose one from a formidable **array** of products.

electron

n. a tiny particle with the negative electrical charge

synonym: negatron

(1) flow of **electrons**, (2) beam of **electrons**

The outermost **electron** shell determines the chemical properties of an atom.

onboard

v. to become or make part of a team, group, or system; to install, activate, or begin using a piece of equipment or software; (adjective) included or integrated into a particular system, machine, or device

synonym: embark, aboard, on-load

(1) **onboard** the new employees, (2) **onboard** computer

The passengers were instructed to **onboard** the aircraft as quickly as possible so that the flight could depart on time.

combination

n. a collection of things that have been combined; an assemblage of separate parts or qualities

synonym: blend, hybrid, compounding

(1) genic **combinations**, (2) **combination** number

The **combination** to the safe was a secret.

equip

v. to provide a person or a place with the things that are needed for a particular purpose or activity

synonym: prepare, furnish, provide

(1) **equip** an army, (2) **equip** our children with some special

skills

The construction company **equipped** the building with an earthquake-resistant device.

sleek

adj. smooth and glossy in appearance or texture; streamlined and elegant in design or form; characterized by a polished or refined style or appearance

synonym: glossy, streamlined, polished

(1) **sleek** car, (2) **sleek** black dress

The car's **sleek**, aerodynamic design made it look fast even when standing still.

hull

n. the main body or frame of a ship, airplane, or other vehicles, or the outer covering or shell of a seed, fruit, or other objects

synonym: shell, skin, outer covering

(1) set a strake on the **hull**, (2) double- **hull** tank

The ship's **hull** was damaged in the storm, and the crew had to make emergency repairs.

dolphin

n. a marine mammal that typically has a beaklike snout, a streamlined body, and flippers and that feeds on fish and squid

synonym: porpoise, cetacean, marine mammal

(1) **dolphin** show, (2) **dolphin-watching** tour

The large group of **dolphins** swam gracefully in the ocean, jumping out of the water now and then.

flip

v. to turn over into a different position quickly; to throw or toss with a light motion

synonym: throw, jump

(1) **flip** over the pork chop, (2) **flip** a coin

He **flipped** when he heard that he had been accepted into the university.

improve

v. to make or become better

synonym: enhance, ameliorate, enrich

(1) **improve** a process, (2) **improve** the test score
We want to **improve** ties between our two countries.

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**.

traction

n. the action or ability to pull something along a surface without sliding
synonym : pulling, friction, suction

(1) increase **traction** on ice, (2) electronic **traction**
His leg was in **traction** for weeks after the accident.

assist

v. to help someone in doing anything
synonym : help, support, aid

(1) **assist** a patient, (2) **assist** his goal
Please **assist** her with the furniture relocation.

propulsion

n. the act or process of propelling or driving something forward, often using a motor, engine, or other mechanical means
synonym : propelling, driving, actuation

(1) **propulsion** technology, (2) nuclear **propulsion**
The spacecraft's **propulsion** system helped it travel through space.

twist

v. to bend or turn something into a certain shape
synonym : wrench, turn, twirl

(1) **twist** around to the left, (2) **twist** a wet towel
He **twisted** pieces of rope out of straw.

harness

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

synonym: rein in, control, (noun) belt

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

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

device

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

synonym: gadget, instrument, tool

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

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

rot

v. to decay, or cause something to decay, naturally and gradually

synonym: perish, decay, corrode

(1) begin to **rot**, (2) **rot** with age

Please refrigerate the meat, or it will **rot**.

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.

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.

hyperactive

adj. excessively or abnormally active, restless, or easily excitable, particularly about children or animals with attention deficit hyperactivity disorder (ADHD)

synonym : hyperkinetic, overactive, restless

(1) **hyperactive** child, (2) **hyperactive** imagination

The **hyperactive** dog was running around the house, knocking things over.

barber

n. a person who cuts men's hair and shaves beards as a profession; a shop or establishment where such services are offered

synonym : hairdresser, stylist, shaver

(1) favorite **barber**, (2) **barber** pole

The **barber** shop was closed on Monday, much to the disappointment of many customers.

pole

n. one of two antipodal points where the Earth's axis of rotation intersects the Earth's surface; a long, slender, rounded rod, typically of wood or metal, used as a support or to hang something

synonym : rod, staff, shaft

(1) a fishing **pole**, (2) the plus **pole**

The North **Pole** is the northernmost point on Earth.

thrust

v. to push or drive forcibly; to impose or insert; (noun) the force used in pushing

synonym : push, shove, prod

(1) **thrust** a dagger home, (2) **thrust** a plate away

The engine **thrust** the rocket into space.

exciting

adj. causing a lot of interest or excitement

synonym : exhilarating, stimulating, thrilling

(1) **exciting** football player, (2) **exciting** news

The findings of the experiment were both **exciting** and unexpected.

whip

v. to hit a person or an animal severely with a thin, flexible stick with a cord or leather thong at the end, as a punishment, discipline, etc.

synonym : thrash, flog, scourge

(1) **whip** egg whites, (2) **whip** into shape

The jockey **whipped** the horse hard to take first place.

blase

adj. indifferent to or unimpressed by something that may be seen as exciting, interesting, or significant; jaded or worldly-wise

synonym: bored, indifferent, apathetic

(1) **blase** attitude, (2) **blase** response

The celebrity was **blase** about attending yet another red carpet event.

crew

n. a group of people who work together, especially on a ship or airplane

synonym: team, group, squad

(1) the film **crew**, (2) the **crew** of a fishing boat

The ship's **crew** worked hard to repair the damaged sails before the next storm hit.

swirl

v. to move in a circular or spiral pattern

synonym: spin, whirl, turn

(1) **swirl** the wine, (2) **swirl** up dirt and dust

The chef expertly **swirled** the sauce onto the plate.

norm

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

synonym: criterion, mean, standard

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

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

eyesore

n. something unpleasant, unattractive, or offensive to look at, often because it is neglected, run-down, or out of place

synonym: monstrosity, blot, blemish

(1) environmental **eyesore**, (2) **eyesore** landscape

The construction site was an **eyesore** that disrupted the peacefulness of the area.

admire

v. to have regard for or respect for someone's qualities or the actions they have performed

synonym : esteem, respect, marvel

(1) **admire** the subtlety of the distinctions, (2) **admire** kids with attitude

We all **admire** him because he is a nobleman.

curl

v. to form or make something form into a curved or spiral shape; (noun) a round shape formed by a series of concentric circles

synonym : coil, curve, spiral

(1) **curl** around street corners, (2) a **curl** of smoke

The cat **curled** into a ball and went to sleep.

fetus

n. an unborn or unhatched animal in the later stages of development showing the main recognizable features of the mature animal

(1) development of the **fetus**, (2) an aborted **fetus**

The female vagina is elastic enough to allow the passage of a **fetus**.

maritime

adj. relating to or connected with the sea, especially about shipping, navigation, or commercial activity

synonym : naval, seafaring, oceanic

(1) **maritime** trade, (2) **maritime** law

The city's economy relies heavily on the **maritime** industry and its port.

pivotal

adj. relating to or acting as a pivot or central point; crucial or essential to the success or outcome of something

synonym : crucial, essential, important

(1) **pivotal** moment, (2) **pivotal** role

The CEO's decision was **pivotal** in the success of the company's expansion plans.

transform

v. to change in outward structure or looks;

synonym : alter, convert, change

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

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

cotton

n. a plant that is grown in warm countries and bears bolls containing seeds with soft and long hairs that are made into textile fiber and thread for sewing

(1) **cotton** cloth, (2) culture of **cotton**

The price of raw **cotton** continued to rise.

fling

v. to throw or push something or someone with force or recklessness, especially because you are angry

synonym: throw, dump, hurl

(1) **fling** a stream of abuse, (2) **fling** a door open forcefully

He was provoked to **fling** the draft on the floor.

garment

n. a piece of clothing, such as a dress, coat, or shirt

synonym: apparel, clothing, attire

(1) **garment** industry, (2) silk **garment**

She hung the wet **garment** on the clothesline to dry.

equator

n. an line of latitude that separates Earth's northern and southern hemispheres and has a radius of around 40,075 kilometers (24,901 miles)

(1) south of the **equator**, (2) above the **equator**

Ecuador is on the **equator**.

overdrive

n. a gear in a vehicle that allows the engine to operate at a higher speed than the vehicle's speed, resulting in greater fuel efficiency and smoother driving; (verb) to drive or work too hard

synonym: high gear, high speed, turbocharge

(1) at a **overdrive** pace, (2) go into **overdrive**

The car's **overdrive** function allows it to shift into a higher gear for better fuel efficiency on the highway.

humble

adj. having or showing a modest or low estimate of one's quality or importance

synonym : modest, unpretentious, abject

(1) a **humble** cottage, (2) **humble** opinion

The nobler, the more **humble**.

stretch

v. to make or be capable of making anything longer or broader without hurting or breaking

synonym : lengthen, prolong, extend

(1) **stretch** along the coast, (2) **stretch** a story

Some herds have been observed to **stretch** hundreds of kilometers.

skyscraper

n. a very tall building, typically one in a city

synonym : high-rise, tower

(1) **skyscraper** apartment house, (2) steel-framed **skyscraper**

The 50-floor **skyscraper** loomed over the city, dwarfing the other buildings.

precious

adj. uncommon and extremely valuable

synonym : adored, cherished, valued

(1) price of **precious** metals, (2) **precious** information

We cannot afford to squander **precious** time.

Session 2: Spelling

1. 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
2. a fo___l leaf
n. any preserved remains, impression, or trace of any once-living thing that has become hard and turned into rock
3. extreme ca_____n
n. great care and attention that you take to avoid danger or mistakes; a warning against certain acts
4. sp___l for acres
v. to sit, lie, or fall with one's arms and legs spread out
5. ind_____us student
adj. hardworking, diligent, and persistent in effort
6. pu___t criticism
adj. having a strong, sharp odor or taste
7. fr_____er ship
n. a ship, aircraft, or other vehicle used for transporting cargo or goods in bulk
8. 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
9. 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

ANSWERS: 1. fossil, 2. fossil, 3. caution, 4. sprawl, 5. industrious, 6. pungent, 7. freighter, 8. panel, 9. oxygen

10. 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
11. a pa_____el case *adj.* being everywhere equidistant and not intersecting; of or relating to the simultaneous performance of multiple operations
12. beam of el_____ons *n.* a tiny particle with the negative electrical charge
13. 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
14. inc_____ze the right behavior *v.* to make someone want to do in a particular way by offering them a reward
15. com_____ve position *adj.* involving competition or competitiveness
16. the film c__w *n.* a group of people who work together, especially on a ship or airplane
17. ad__t a child *v.* to choose to follow something; to legally take a child from another family and care for them as if they were one's own
18. gi__t trees *adj.* enormous; much bigger or more important than similar items usually are
19. cri_____ss my heart *v.* to move or make lines that intersect or cross each other in a pattern resembling a series of X's

ANSWERS: 10. planet, 11. parallel, 12. electron, 13. develop, 14. incentivize, 15. competitive, 16. crew, 17. adopt, 18. giant, 19. crisscross

20. no__l effect *n.* an extended fictional work in prose; usually in the form of a story; (adjective) original and of a kind not seen before
21. major paradigm sh__t *n.* a slight transition in position, direction, or trend
22. w__p into shape *v.* to hit a person or an animal severely with a thin, flexible stick with a cord or leather thong at the end, as a punishment, discipline, etc.
23. pu____t taste *adj.* having a strong, sharp odor or taste
24. f__e with anger *v.* to emit gas, smoke, vapor, or a strong, unpleasant odor; to show anger, irritation, or annoyance in a visible way; (noun) gas or vapor that is emitted from a substance, usually as a result of heating or combustion
25. inf_____ure cost *n.* the basic systems, services, or features that are necessary for an organization or country, such as transport and power supplies
26. co_____e augmented reality *v.* to join or merge to form a single thing or group
27. fa_____ty design *n.* a building or place that provides a particular service or is used for a particular industry
28. an ex_____ve personality *adj.* easily able or likely to shatter violently or burst apart; sudden and loud
29. ma_____me law *adj.* relating to or connected with the sea, especially about shipping, navigation, or commercial activity

ANSWERS: 20. novel, 21. shift, 22. whip, 23. pungent, 24. fume, 25. infrastructure, 26. combine, 27. facility, 28. explosive, 29. maritime

30. pi_____l moment *adj.* relating to or acting as a pivot or central point; crucial or essential to the success or outcome of something
31. de_____e in quality *v.* to become gradually smaller, fewer, worse, etc.; to refuse to accept
32. plenty of ca__o space *n.* the goods carried by ship, aircraft, or other vehicles
33. a hu___e cottage *adj.* having or showing a modest or low estimate of one's quality or importance
34. man_____re an enzyme *v.* to make goods in large numbers, usually in a factory using machines
35. ma_____me trade *adj.* relating to or connected with the sea, especially about shipping, navigation, or commercial activity
36. beginning of the ind_____al revolution *adj.* of or relating to or resulting from industry
37. in_____le romantic *adj.* not able to be cured, healed, or remedied; beyond recovery or redemption
38. the c__w of a fishing boat *n.* a group of people who work together, especially on a ship or airplane
39. an old_____ned person *adj.* of or relating to a time in the past; not modern
40. combined ox__e *n.* a chemical compound that contains at least one oxygen atom and one other element
41. sky_____er apartment house *n.* a very tall building, typically one in a city
42. tr_____on cubic feet *n.* the number 1,000,000,000,000; a million million

ANSWERS: 30. pivotal, 31. decline, 32. cargo, 33. humble, 34. manufacture, 35. maritime, 36. industrial, 37. incurable, 38. crew, 39. old-fashioned, 40. oxide, 41. skyscraper, 42. trillion

43. increase tr_____on on ice *n.* the action or ability to pull something along a surface without sliding
44. old_____ned in appearance *adj.* of or relating to a time in the past; not modern
45. smokeless f__l *n.* a substance that is typically burned to generate heat or energy
46. as___t a patient *v.* to help someone in doing anything
47. tu_____e energy *n.* a machine that rotates to generate power from fluids such as water or gas
48. op_____or error *n.* a person who uses and controls machinery or equipment; a mathematical symbol used to perform calculations
49. chemical re_____on *n.* a response that reveals a person's feelings or attitude; (in chemistry) a process in which one or more substances are changed into others
50. r__y on convenience stores *v.* to require a specific thing or the assistance and support of someone or something to continue, run properly, or succeed.
51. crude pe_____um *n.* a flammable liquid consisting of a complex mixture of hydrocarbons that occurs naturally in certain rock formations and can also be refined to produce fuels such as gasoline, diesel, and jet fuel
52. on_____d the new employees *v.* to become or make part of a team, group, or system; to install, activate, or begin using a piece of equipment or software; (adjective) included or integrated into a particular system, machine, or device

ANSWERS: 43. traction, 44. old-fashioned, 45. fuel, 46. assist, 47. turbine, 48. operator, 49. reaction, 50. rely, 51. petroleum, 52. onboard

53. hyp_____ve imagination *adj.* excessively or abnormally active, restless, or easily excitable, particularly about children or animals with attention deficit hyperactivity disorder (ADHD)
54. ro_____y explain my idea *adv.* approximately but not precisely; with a violent manner
55. a sonic b__m *n.* a sudden increase in economic activity, or a sudden happening that brings good fortune; a deep, loud, and prolonged sound
56. a cell phone with an internet fa_____ty *n.* a building or place that provides a particular service or is used for a particular industry
57. co____r honor *v.* to have a meeting or discussion to come to a decision or agreement or exchange ideas; to bestow something
58. ca_____le scent *n.* a plant with white, daisy-like flowers that is widely used to make tea and herbal remedies, known for its calming and soothing qualities
59. e__t air pollution *v.* to give off or send out something such as light, heat, sound, gas, etc.
60. pi_____l role *adj.* relating to or acting as a pivot or central point; crucial or essential to the success or outcome of something
61. 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
62. an air-cooled en____e *n.* a machine that converts thermal energy to mechanical work; something that has an important role used to achieve a purpose

ANSWERS: 53. hyperactive, 54. roughly, 55. boom, 56. facility, 57. confer, 58. camomile, 59. emit, 60. pivotal, 61. offshore, 62. engine

63. w__p egg whites
64. ca____om tea
65. an ar__y of troops
66. the atmospheric tem_____re
67. a weather ch__t
68. ca____n emission
69. Doppler sh__t
70. plastic co_____er
71. acrid f__es
- v.* to hit a person or an animal severely with a thin, flexible stick with a cord or leather thong at the end, as a punishment, discipline, etc.
- n.* a spice made from the seeds of several plants belonging to the ginger family, used in both sweet and savory dishes for its strong, warm, and slightly sweet flavor and aroma
- n.* a large group or collection of things or people, especially one that is impressive or attractive
- n.* the degree of hotness or coldness of a thing or place
- n.* a visual display of information such as a diagram, lists of figures, etc.; a map designed to assist navigation by air or sea
- 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
- n.* a slight transition in position, direction, or trend
- 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
- v.* to emit gas, smoke, vapor, or a strong, unpleasant odor; to show anger, irritation, or annoyance in a visible way; (noun) gas or vapor that is emitted from a substance, usually as a result of heating or combustion

ANSWERS: 63. whip, 64. cardamom, 65. array, 66. temperature, 67. chart, 68. carbon, 69. shift, 70. container, 71. fume

72. heavy ni____en *n.* a chemical element with the symbol N and atomic number 7, which is a highly reactive element that forms part of many compounds, including amino acids and proteins
73. do____nt force *adj.* more important, influential, or easy to notice than anything else of the same type
74. follow the tr__l *n.* a path or track roughly through a countryside, mountain, or forest area, often made or used for a particular purpose; (verb) to lag or linger behind
75. internal com____on engine *n.* the act or process of burning something
76. inc____ze carpooling *v.* to make someone want to do in a particular way by offering them a reward
77. st____h a story *v.* to make or be capable of making anything longer or broader without hurting or breaking
78. mathematical pu____e *n.* a situation that is difficult to follow or solve; a game, problem, or toy that tests a person's ingenuity or knowledge; (verb) to cause someone to feel confused because of something difficult to understand
79. c__b appetite *v.* to restrain, limit, or control something; to reduce or put a stop to something undesirable; (noun) the raised edge or barrier along the edge of a street, road, or sidewalk

ANSWERS: 72. nitrogen, 73. dominant, 74. trail, 75. combustion, 76. incentivize, 77. stretch, 78. puzzle, 79. curb

80. st____e at low temperature *n.* the act or process of putting in and keeping something in a particular place for use in the future; an electronic memory device that can store information
81. sw__l up dirt and dust *v.* to move in a circular or spiral pattern
82. tracking de____e *n.* a piece of equipment, tool, or technology that serves a particular purpose or function, often mechanical or electronic
83. go into ov____ve *n.* a gear in a vehicle that allows the engine to operate at a higher speed than the vehicle's speed, resulting in greater fuel efficiency and smoother driving; (verb) to drive or work too hard
84. hyd____er energy *n.* electricity generated from the energy of moving water, usually using turbines and dams in rivers or other bodies of water
85. crossword pu____e *n.* a situation that is difficult to follow or solve; a game, problem, or toy that tests a person's ingenuity or knowledge; (verb) to cause someone to feel confused because of something difficult to understand
86. ad__t a bill *v.* to choose to follow something; to legally take a child from another family and care for them as if they were one's own
87. hyp____ve child *adj.* excessively or abnormally active, restless, or easily excitable, particularly about children or animals with attention deficit hyperactivity disorder (ADHD)

ANSWERS: 80. storage, 81. swirl, 82. device, 83. overdrive, 84. hydropower, 85. puzzle, 86. adopt, 87. hyperactive

88. double-h__l tank *n.* the main body or frame of a ship, airplane, or other vehicles, or the outer covering or shell of a seed, fruit, or other objects
89. further mod_____ion *n.* the act of changing something, usually to improve it, or something changed
90. s__w insults *v.* to eject forcefully and abundantly; to flow out rapidly and in large amounts
91. join the mai_____am *n.* the ideas, opinions, beliefs, etc., that are considered normal or accepted by most people
92. 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
93. bulk fr_____er *n.* a ship, aircraft, or other vehicle used for transporting cargo or goods in bulk
94. ad___e the subtlety of the distinctions *v.* to have regard for or respect for someone's qualities or the actions they have performed
95. begin to r_t *v.* to decay, or cause something to decay, naturally and gradually
96. silver ox___e *n.* a chemical compound that contains at least one oxygen atom and one other element
97. ex_____ng news *adj.* causing a lot of interest or excitement
98. an energy eff_____cy *n.* the state or quality of doing something well with no waste of input such as time or money

ANSWERS: 88. hull, 89. modification, 90. spew, 91. mainstream, 92. launch, 93. freighter, 94. admire, 95. rot, 96. oxide, 97. exciting, 98. efficiency

99. campaign now un_____ay *adj.* having started and currently in progress
100. tu_____e aerofoil *n.* a machine that rotates to generate power from fluids such as water or gas
101. copper ele_____sis process *n.* a process or technique of chemical decomposition produced by passing an electric current through an ion-containing liquid or solution
102. 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
103. the in_____al economy *adj.* of or relating to the inside of something
104. 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
105. mo_____le behavior *n.* a group of two or more atoms held together by attractive forces known as chemical bonds
106. ro__h and tough *adj.* not quite exact or correct; having or caused by an irregular surface

ANSWERS: 99. underway, 100. turbine, 101. electrolysis, 102. process, 103. internal, 104. process, 105. molecule, 106. rough

107. sp__t a reward equally *v.* to divide, or to make something divide into two or more parts, especially along a particular line
108. genic com_____ons *n.* a collection of things that have been combined; an assemblage of separate parts or qualities
109. el_____fy the audience *v.* to make a machine or system work by using electricity; to make someone extremely enthusiastic about or interested in something
110. th__t a plate away *v.* to push or drive forcibly; to impose or insert; (noun) the force used in pushing
111. in_____le patient *adj.* not able to be cured, healed, or remedied; beyond recovery or redemption
112. flow of el_____ons *n.* a tiny particle with the negative electrical charge
113. hu___e opinion *adj.* having or showing a modest or low estimate of one's quality or importance
114. ga_____t industry *n.* a piece of clothing, such as a dress, coat, or shirt
115. inhale am_____a fumes *n.* a compound of nitrogen and hydrogen that forms a gas with a strong smell, used as cleaning substances, fertilizers, and explosives
116. fo_____te situation *adj.* having good luck or lucky
117. sl__k black dress *adj.* smooth and glossy in appearance or texture; streamlined and elegant in design or form; characterized by a polished or refined style or appearance

ANSWERS: 107. split, 108. combination, 109. electrify, 110. thrust, 111. incurable, 112. electron, 113. humble, 114. garment, 115. ammonia, 116. fortunate, 117. sleek

118. nonsynthetic fer_____er *n.* a natural or chemical substance added to soil to make plants grow more successfully
119. blood ve___ls *n.* a ship or large boat
120. s__n a top *v.* to cause something to rotate rapidly; to cause someone to feel dizzy or disoriented
121. enc_____ng sign *adj.* giving hope, confidence, or support; inspiring
122. environmental ey_____e *n.* something unpleasant, unattractive, or offensive to look at, often because it is neglected, run-down, or out of place
123. on_____d computer *v.* to become or make part of a team, group, or system; to install, activate, or begin using a piece of equipment or software; (adjective) included or integrated into a particular system, machine, or device
124. a cold cl_____e *n.* the weather in a particular location averaged over some long period
125. better fuel eff_____cy *n.* the state or quality of doing something well with no waste of input such as time or money
126. cultural n__m *n.* something that is regarded as usual, typical, or standard
127. po_____e the thread *v.* to make an area or substance, such as land, air, water, etc., dirty or harmful to living things by adding waste matter or harmful chemicals

ANSWERS: 118. fertilizer, 119. vessel, 120. spin, 121. encouraging, 122. eyesore, 123. onboard, 124. climate, 125. efficiency, 126. norm, 127. pollute

128. sp__t a bill *v.* to divide, or to make something divide into two or more parts, especially along a particular line
129. a data pi____ne *n.* a very long large tube that is usually underground and is used for carrying liquid or gas for long distances
130. or____l by fire *n.* a painful, difficult, or dangerous experience or trial; a severe test of endurance or patience
131. achieve a do____nt share *adj.* more important, influential, or easy to notice than anything else of the same type
132. ind____al alcohol *adj.* of or relating to or resulting from industry
133. to__c molecule *adj.* of or relating to or caused by a poison; poisonous
134. ni____en absorption *n.* a chemical element with the symbol N and atomic number 7, which is a highly reactive element that forms part of many compounds, including amino acids and proteins
135. s__r in popularity *v.* to fly or rise very high or to a great height, often with great grace or ease
136. 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
137. bl__e response *adj.* indifferent to or unimpressed by something that may be seen as exciting, interesting, or significant; jaded or worldly-wise

ANSWERS: 128. split, 129. pipeline, 130. ordeal, 131. dominant, 132. industrial, 133. toxic, 134. nitrogen, 135. soar, 136. tube, 137. blase

138. many tr____ons of dollars *n.* the number 1,000,000,000,000; a million million
139. di___l engine *n.* a type of heavy oil used as fuel; a vehicle or engine that uses diesel fuel
140. split a dinner t_b *n.* a small flap or strip of material attached to or projecting from something; the key on a typewriter or a word processor that causes a tabulation; a bill
141. hyd_____er plant *n.* electricity generated from the energy of moving water, usually using turbines and dams in rivers or other bodies of water
142. di___l car *n.* a type of heavy oil used as fuel; a vehicle or engine that uses diesel fuel
143. naval ve___ls *n.* a ship or large boat
144. steel-framed sky_____er *n.* a very tall building, typically one in a city
145. c__g on a cigarette *v.* to make a dull, steady, and repetitive sound, as if from an engine or machine; to drink, especially alcohol, quickly and in large quantities; (noun) the sound made by a vehicle, particularly a train or a boat, as it moves steadily and slowly
146. s__r to new heights *v.* to fly or rise very high or to a great height, often with great grace or ease
147. take a vo___e *n.* a long journey, especially by sea or in space
148. an aborted fe__s *n.* an unborn or unhatched animal in the later stages of development showing the main recognizable features of the mature animal

ANSWERS: 138. trillion, 139. diesel, 140. tab, 141. hydropower, 142. diesel, 143. vessel, 144. skyscraper, 145. chug, 146. soar, 147. voyage, 148. fetus

149. a com_____ve price *adj.* involving competition or competitiveness
150. in_____al organs *adj.* of or relating to the inside of something
151. r__y entirely on him *v.* to require a specific thing or the assistance and support of someone or something to continue, run properly, or succeed.
152. shi_____er industry *n.* a person or company that builds ships, typically working with steel and other durable materials to construct both commercial and military vessels
153. electronic tr_____on *n.* the action or ability to pull something along a surface without sliding
154. co_____ed criminal *adj.* completely certain about something; having a strong belief or conviction in a particular religion
155. s__w carbon dioxide *v.* to eject forcefully and abundantly; to flow out rapidly and in large amounts
156. com_____on number *n.* a collection of things that have been combined; an assemblage of separate parts or qualities
157. pl___e into the water *v.* to dive quickly and steeply downward; to thrust or throw into something; (noun) a steep and rapid fall
158. af___d a high travel cost *v.* to have enough money or time to be able to buy or do something
159. ca_____le-extract *n.* a plant with white, daisy-like flowers that is widely used to make tea and herbal remedies, known for its calming and soothing qualities

ANSWERS: 149. competitive, 150. internal, 151. rely, 152. shipbuilder, 153. traction, 154. convinced, 155. spew, 156. combination, 157. plunge, 158. afford, 159. camomile

160. a warm tr__l *n.* a path or track roughly through a countryside, mountain, or forest area, often made or used for a particular purpose; (verb) to lag or linger behind
161. exotic plants in a gre_____se *n.* a building with walls and roof made chiefly of transparent material, such as glass, for growing plants in
162. gi__t tech company *adj.* enormous; much bigger or more important than similar items usually are
163. the em_____on of light *n.* the act of production or sending out gas, heat, light, etc.
164. a ch_____al compound *adj.* relating to or connected with chemistry;
165. pl_____ting sales *v.* to fall or drop suddenly and steeply; to decline rapidly or sharply
166. emotional or____l *n.* a painful, difficult, or dangerous experience or trial; a severe test of endurance or patience
167. development of the fe__s *n.* an unborn or unhatched animal in the later stages of development showing the main recognizable features of the mature animal
168. mai_____am political beliefs *n.* the ideas, opinions, beliefs, etc., that are considered normal or accepted by most people
169. in_____or lawsuit *n.* someone who puts money or capital into something to gain financial returns
170. sp____l out luxuriously on the sofa *v.* to sit, lie, or fall with one's arms and legs spread out

ANSWERS: 160. trail, 161. greenhouse, 162. giant, 163. emission, 164. chemical, 165. plummet, 166. ordeal, 167. fetus, 168. mainstream, 169. investor, 170. sprawl

171. pr_____er aircraft *n.* a device with rotating blades or vanes used for propulsion or creating lift, typically used on boats or aircraft
172. culture of co____n *n.* a plant that is grown in warm countries and bears bolls containing seeds with soft and long hairs that are made into textile fiber and thread for sewing
173. a steam en____e *n.* a machine that converts thermal energy to mechanical work; something that has an important role used to achieve a purpose
174. app_____ly unrelated *adv.* based on what you have heard or read
175. toxic ch_____als *adj.* relating to or connected with chemistry;
176. ca_____om rice *n.* a spice made from the seeds of several plants belonging to the ginger family, used in both sweet and savory dishes for its strong, warm, and slightly sweet flavor and aroma
177. extreme tem_____res *n.* the degree of hotness or coldness of a thing or place
178. b__m in sales *n.* a sudden increase in economic activity, or a sudden happening that brings good fortune; a deep, loud, and prolonged sound
179. price of pr_____us metals *adj.* uncommon and extremely valuable
180. ha_____s a horse to a carriage *v.* to control and exploit the power of something, especially natural resources that produce energy; (noun) a set of narrow pieces of leather and metal that are used to control or hold in place a person, animal, or object

ANSWERS: 171. propeller, 172. cotton, 173. engine, 174. apparently, 175. chemical, 176. cardamom, 177. temperature, 178. boom, 179. precious, 180. harness

181. f__p a coin *v.* to turn over into a different position quickly; to throw or toss with a light motion
182. ey_____e landscape *n.* something unpleasant, unattractive, or offensive to look at, often because it is neglected, run-down, or out of place
183. historical no__l *n.* an extended fictional work in prose; usually in the form of a story; (adjective) original and of a kind not seen before
184. global em_____ons of greenhouse gases *n.* the act of production or sending out gas, heat, light, etc.
185. af____d to buy a new car *v.* to have enough money or time to be able to buy or do something
186. co____n cloth *n.* a plant that is grown in warm countries and bears bolls containing seeds with soft and long hairs that are made into textile fiber and thread for sewing
187. pro_____on technology *n.* the act or process of propelling or driving something forward, often using a motor, engine, or other mechanical means
188. south of the eq____r *n.* an line of latitude that separates Earth's northern and southern hemispheres and has a radius of around 40,075 kilometers (24,901 miles)
189. c__b anxiety *v.* to restrain, limit, or control something; to reduce or put a stop to something undesirable; (noun) the raised edge or barrier along the edge of a street, road, or sidewalk

ANSWERS: 181. flip, 182. eyesore, 183. novel, 184. emission, 185. afford, 186. cotton, 187. propulsion, 188. equator, 189. curb

190. el_____fy a manufacturing process *v.* to make a machine or system work by using electricity; to make someone extremely enthusiastic about or interested in something
191. a fishing p__e *n.* one of two antipodal points where the Earth's axis of rotation intersects the Earth's surface; a long, slender, rounded rod, typically of wood or metal, used as a support or to hang something
192. pl___e a dagger through his heart *v.* to dive quickly and steeply downward; to thrust or throw into something; (noun) a steep and rapid fall
193. at___d service *v.* to be present at an event, to go to a place
194. heavy hy_____en *n.* the chemical element that is the lightest gas is colorless, odorless, tasteless, and combines with oxygen to form water
195. r_v up the crowd *n.* a measure of the rate at which an engine or motor rotates, often expressed in revolutions per minute (RPM); (verb) to increase the number of rotations per minute
196. a two-dimensional ar__y *n.* a large group or collection of things or people, especially one that is impressive or attractive
197. app_____ly simple *adv.* based on what you have heard or read
198. 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: 190. electrify, 191. pole, 192. plunge, 193. attend, 194. hydrogen, 195. rev, 196. array, 197. apparently, 198. launch

199. spare co_____nts for cars *n.* one of several parts that combines with others to form something bigger
200. ad___e kids with attitude *v.* to have regard for or respect for someone's qualities or the actions they have performed
201. f__p over the pork chop *v.* to turn over into a different position quickly; to throw or toss with a light motion
202. 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
203. re_____ry operations *n.* a facility that is used to process, purify, and refine raw materials such as oil or metal into a more useful or valuable form
204. s__r a momentum of economic growth *n.* a thing that encourages someone to do something; any sharply pointed projection; (verb) to incite or stimulate someone or something
205. po_____e the air *v.* to make an area or substance, such as land, air, water, etc., dirty or harmful to living things by adding waste matter or harmful chemicals
206. spontaneous com_____on *n.* the act or process of burning something
207. a st_____e battery *n.* the act or process of putting in and keeping something in a particular place for use in the future; an electronic memory device that can store information

ANSWERS: 199. component, 200. admire, 201. flip, 202. container, 203. refinery, 204. spur, 205. pollute, 206. combustion, 207. storage

208. pr_____er design *n.* a device with rotating blades or vanes used for propulsion or creating lift, typically used on boats or aircraft
209. tr_____rm heat into power *v.* to change in outward structure or looks;
210. in____t in stocks *v.* to put money, effort, time, etc. into something to make a profit or achieve a result
211. 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
212. set a strake on the h__l *n.* the main body or frame of a ship, airplane, or other vehicles, or the outer covering or shell of a seed, fruit, or other objects
213. health po____y *n.* a set of rules, guidelines, principles, or procedures that govern decision-making or action, often used in the context of business or government; a course of action or plan of action adopted or followed by an organization or individual to achieve a goal or objective
214. at____d a meeting *v.* to be present at an event, to go to a place
215. open a t_b *n.* a small flap or strip of material attached to or projecting from something; the key on a typewriter or a word processor that causes a tabulation; a bill
216. a mod_____ion of last year's model *n.* the act of changing something, usually to improve it, or something changed

ANSWERS: 208. propeller, 209. transform, 210. invest, 211. planet, 212. hull, 213. policy, 214. attend, 215. tab, 216. modification

217. st__k up the place *v.* to emit a strong, unpleasant odor; to have a strong offensive smell; to be corrupt or unethical
218. man_____re a product *v.* to make goods in large numbers, usually in a factory using machines
219. ex_____ve device *adj.* easily able or likely to shatter violently or burst apart; sudden and loud
220. im_____e a process *v.* to make or become better
221. dis_____te wealth evenly *v.* to give something to a large number of individuals, or to spread or furnish something
222. fresh ocean br___e *n.* a gentle wind that is not very strong or forceful, typically cool and refreshing
223. enc_____ng approval *adj.* giving hope, confidence, or support; inspiring
224. dis_____te video content *v.* to give something to a large number of individuals, or to spread or furnish something
225. biomass f__l *n.* a substance that is typically burned to generate heat or energy
226. silk ga_____t *n.* a piece of clothing, such as a dress, coat, or shirt
227. a mo__r mechanic *n.* a device that converts electricity, fuel, etc. into movement and makes a machine, vehicle, etc. work
228. ec_____y of scale *n.* the system by which a country or region produces manages, and distributes goods and services, including the money and finances involved in these activities; (of an airline) the lowest-priced, most basic option for seating in commercial travel

ANSWERS: 217. stink, 218. manufacture, 219. explosive, 220. improve, 221. distribute, 222. breeze, 223. encouraging, 224. distribute, 225. fuel, 226. garment, 227. motor, 228. economy

229. in___t capital *v.* to put money, effort, time, etc. into something to make a profit or achieve a result
230. eq___p an army *v.* to provide a person or a place with the things that are needed for a particular purpose or activity
231. do_____n-watching tour *n.* a marine mammal that typically has a beaklike snout, a streamlined body, and flippers and that feeds on fish and squid
232. co_____ed of the idea *adj.* completely certain about something; having a strong belief or conviction in a particular religion
233. tw___t a wet towel *v.* to bend or turn something into a certain shape
234. above the eq_____r *n.* an line of latitude that separates Earth's northern and southern hemispheres and has a radius of around 40,075 kilometers (24,901 miles)
235. effects of cl_____e change *n.* the weather in a particular location averaged over some long period
236. a vo___e of discovery *n.* a long journey, especially by sea or in space
237. c___l around street corners *v.* to form or make something form into a curved or spiral shape; (noun) a round shape formed by a series of concentric circles
238. hydrogen re_____ry *n.* a facility that is used to process, purify, and refine raw materials such as oil or metal into a more useful or valuable form

ANSWERS: 229. invest, 230. equip, 231. dolphin, 232. convinced, 233. twist, 234. equator, 235. climate, 236. voyage, 237. curl, 238. refinery

239. trigger a re____on *n.* a response that reveals a person's feelings or attitude; (in chemistry) a process in which one or more substances are changed into others
240. eq__p our children with some special skills *v.* to provide a person or a place with the things that are needed for a particular purpose or activity
241. DC mo__r control *n.* a device that converts electricity, fuel, etc. into movement and makes a machine, vehicle, etc. work
242. co____ce with the other *v.* to come together or merge into a single group, mass, or whole; to blend or combine elements or ideas into a unified whole
243. small mo____les *n.* a group of two or more atoms held together by attractive forces known as chemical bonds
244. re____le energy *adj.* capable of being renewed, extended, or replaced
245. fl__g a door open forcefully *v.* to throw or push something or someone with force or recklessness, especially because you are angry
246. tr____rm an education system *v.* to change in outward structure or looks;
247. am____a water *n.* a compound of nitrogen and hydrogen that forms a gas with a strong smell, used as cleaning substances, fertilizers, and explosives
248. emissions of gre____se gases *n.* a building with walls and roof made chiefly of transparent material, such as glass, for growing plants in

ANSWERS: 239. reaction, 240. equip, 241. motor, 242. coalesce, 243. molecule, 244. renewable, 245. fling, 246. transform, 247. ammonia, 248. greenhouse

249. n__m of action *n.* something that is regarded as usual, typical, or standard
250. key co_____nt *n.* one of several parts that combines with others to form something bigger
251. 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
252. ba_____y charging *n.* a device that is placed inside a car, gadget, equipment, etc. and that provides electrical power to them
253. re_____le subscriptions *adj.* capable of being renewed, extended, or replaced
254. con_____te to society *v.* to give something, especially money or goods, to provide or achieve something together with other people
255. s__n thread out of cotton *v.* to cause something to rotate rapidly; to cause someone to feel dizzy or disoriented
256. cost of solar pa__ls *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
257. hy_____en gas *n.* the chemical element that is the lightest gas is colorless, odorless, tasteless, and combines with oxygen to form water
258. do_____n show *n.* a marine mammal that typically has a beaklike snout, a streamlined body, and flippers and that feeds on fish and squid

ANSWERS: 249. norm, 250. component, 251. contribute, 252. battery, 253. renewable, 254. contribute, 255. spin, 256. panel, 257. hydrogen, 258. dolphin

259. mo___n poetry *adj.* of or belonging to the present time or recent times
260. ro____y speaking *adv.* approximately but not precisely; with a violent manner
261. cri_____ss over the edges of the walls *v.* to move or make lines that intersect or cross each other in a pattern resembling a series of X's
262. im_____e the test score *v.* to make or become better
263. a c__l of smoke *v.* to form or make something form into a curved or spiral shape; (noun) a round shape formed by a series of concentric circles
264. unload the ca__o *n.* the goods carried by ship, aircraft, or other vehicles
265. th___t a dagger home *v.* to push or drive forcibly; to impose or insert; (noun) the force used in pushing
266. 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
267. c__g beer *v.* to make a dull, steady, and repetitive sound, as if from an engine or machine; to drink, especially alcohol, quickly and in large quantities; (noun) the sound made by a vehicle, particularly a train or a boat, as it moves steadily and slowly
268. favorite ba___r *n.* a person who cuts men's hair and shaves beards as a profession; a shop or establishment where such services are offered

ANSWERS: 259. modern, 260. roughly, 261. crisscross, 262. improve, 263. curl, 264. cargo, 265. thrust, 266. develop, 267. chug, 268. barber

269. ex_____ng football player *adj.* causing a lot of interest or excitement
270. shi_____er contract *n.* a person or company that builds ships, typically working with steel and other durable materials to construct both commercial and military vessels
271. atrial ov_____ve pacing *n.* a gear in a vehicle that allows the engine to operate at a higher speed than the vehicle's speed, resulting in greater fuel efficiency and smoother driving; (verb) to drive or work too hard
272. pl_____t against other major currencies *v.* to fall or drop suddenly and steeply; to decline rapidly or sharply
273. se_____k medication *adj.* feeling ill or nauseous as a result of being on a ship or boat that is moving or rocking back and forth in a rough sea; suffering from motion sickness
274. nuclear pro_____on *n.* the act or process of propelling or driving something forward, often using a motor, engine, or other mechanical means
275. st_____h along the coast *v.* to make or be capable of making anything longer or broader without hurting or breaking
276. 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
277. ro__h estimation *adj.* not quite exact or correct; having or caused by an irregular surface
278. foreign po____y *n.* a set of rules, guidelines, principles, or procedures that govern decision-making or action, often used in the context of business or government; a course of action or plan of action adopted or followed by an organization or individual to achieve a goal or objective

ANSWERS: 269. exciting, 270. shipbuilder, 271. overdrive, 272. plummet, 273.

seasick, 274. propulsion, 275. stretch, 276. offshore, 277. rough, 278. policy

279. 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
280. an elevator op____or *n.* a person who uses and controls machinery or equipment; a mathematical symbol used to perform calculations
281. ele_____sis apparatus *n.* a process or technique of chemical decomposition produced by passing an electric current through an ion-containing liquid or solution
282. tw__t around to the left *v.* to bend or turn something into a certain shape
283. put a ha____s on my pet *v.* to control and exploit the power of something, especially natural resources that produce energy; (noun) a set of narrow pieces of leather and metal that are used to control or hold in place a person, animal, or object
284. st__k badly *v.* to emit a strong, unpleasant odor; to have a strong offensive smell; to be corrupt or unethical
285. sl__k car *adj.* smooth and glossy in appearance or texture; streamlined and elegant in design or form; characterized by a polished or refined style or appearance

ANSWERS: 279. economy, 280. operator, 281. electrolysis, 282. twist, 283. harness, 284. stink, 285. sleek

286. se_____te video into chapter *v.* to force, take, or pull apart; mark as different
287. act with ca_____n *n.* great care and attention that you take to avoid danger or mistakes; a warning against certain acts
288. electronic de_____e *n.* a piece of equipment, tool, or technology that serves a particular purpose or function, often mechanical or electronic
289. pi_____ne facilities *n.* a very long large tube that is usually underground and is used for carrying liquid or gas for long distances
290. 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
291. 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
292. r_t with age *v.* to decay, or cause something to decay, naturally and gradually
293. IT inf_____ure *n.* the basic systems, services, or features that are necessary for an organization or country, such as transport and power supplies
294. pre-mo_____n agricultural society *adj.* of or belonging to the present time or recent times
295. the plus p____e *n.* one of two antipodal points where the Earth's axis of rotation intersects the Earth's surface; a long, slender, rounded rod, typically of wood or metal, used as a support or to hang something

ANSWERS: 286. separate, 287. caution, 288. device, 289. pipeline, 290. carbon, 291. tube, 292. rot, 293. infrastructure, 294. modern, 295. pole

296. pa____el processing *adj.* being everywhere equidistant and not intersecting; of or relating to the simultaneous performance of multiple operations
297. a br___e from an open window *n.* a gentle wind that is not very strong or forceful, typically cool and refreshing
298. ind____us worker *adj.* hardworking, diligent, and persistent in effort
299. pr____us information *adj.* uncommon and extremely valuable
300. a dry ba____y *n.* a device that is placed inside a car, gadget, equipment, etc. and that provides electrical power to them
301. as___t his goal *v.* to help someone in doing anything
302. 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
303. de____e a job offer *v.* to become gradually smaller, fewer, worse, etc.; to refuse to accept
304. se____te cream from milk *v.* to force, take, or pull apart; mark as different
305. s__r of the moment *n.* a thing that encourages someone to do something; any sharply pointed projection; (verb) to incite or stimulate someone or something
306. exposure to to__c chemicals *adj.* of or relating to or caused by a poison; poisonous
307. a statistical ch__t *n.* a visual display of information such as a diagram, lists of figures, etc.; a map designed to assist navigation by air or sea

ANSWERS: 296. parallel, 297. breeze, 298. industrious, 299. precious, 300. battery, 301. assist, 302. oxygen, 303. decline, 304. separate, 305. spur, 306. toxic, 307. chart

308. co___r degree *v.* to have a meeting or discussion to come to a decision or agreement or exchange ideas; to bestow something
309. a real estate in____or *n.* someone who puts money or capital into something to gain financial returns
310. bl__e attitude *adj.* indifferent to or unimpressed by something that may be seen as exciting, interesting, or significant; jaded or worldly-wise
311. sw__l the wine *v.* to move in a circular or spiral pattern
312. avoid getting se____k *adj.* feeling ill or nauseous as a result of being on a ship or boat that is moving or rocking back and forth in a rough sea; suffering from motion sickness
313. just getting un____ay *adj.* having started and currently in progress
314. low-r_v engine *n.* a measure of the rate at which an engine or motor rotates, often expressed in revolutions per minute (RPM); (verb) to increase the number of rotations per minute
315. co____ce ideas *v.* to come together or merge into a single group, mass, or whole; to blend or combine elements or ideas into a unified whole
316. less fo____te person *adj.* having good luck or lucky
317. a chemical fer____er *n.* a natural or chemical substance added to soil to make plants grow more successfully

ANSWERS: 308. confer, 309. investor, 310. blase, 311. swirl, 312. seasick, 313. underway, 314. rev, 315. coalesce, 316. fortunate, 317. fertilizer

318. liquefied pe_____um gas *n.* a flammable liquid consisting of a complex mixture of hydrocarbons that occurs naturally in certain rock formations and can also be refined to produce fuels such as gasoline, diesel, and jet fuel
319. fl__g a stream of abuse *v.* to throw or push something or someone with force or recklessness, especially because you are angry
320. ba___r pole *n.* a person who cuts men's hair and shaves beards as a profession; a shop or establishment where such services are offered
321. co_____e chemically with another substance *v.* to join or merge to form a single thing or group
322. e__t a gamma ray *v.* to give off or send out something such as light, heat, sound, gas, etc.

ANSWERS: 318. petroleum, 319. fling, 320. barber, 321. combine, 322. emit

Session 3: Fill in the Blanks

1. Their headquarters are in a _____ skyscraper.
adj. of or belonging to the present time or recent times
2. The ship's _____ worked hard to repair the damaged sails before the next storm hit.
n. a group of people who work together, especially on a ship or airplane
3. Her company soon won a _____ market share.
adj. more important, influential, or easy to notice than anything else of the same type
4. The passengers were instructed to _____ the aircraft as quickly as possible so that the flight could depart on time.
v. to become or make part of a team, group, or system; to install, activate, or begin using a piece of equipment or software; (adjective) included or integrated into a particular system, machine, or device
5. I love the flavor of _____ in my chai tea.
n. a spice made from the seeds of several plants belonging to the ginger family, used in both sweet and savory dishes for its strong, warm, and slightly sweet flavor and aroma
6. The _____ aroma of garlic filled the kitchen.
adj. having a strong, sharp odor or taste
7. He tried to _____ his anger during the argument with his friend.
v. to restrain, limit, or control something; to reduce or put a stop to something undesirable; (noun) the raised edge or barrier along the edge of a street, road, or sidewalk

ANSWERS: 1. modern, 2. crew, 3. dominant, 4. onboard, 5. cardamom, 6. pungent, 7. curb

8. He _____ pieces of rope out of straw.
- v. to bend or turn something into a certain shape
9. 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
10. The leaders of the two countries met to _____ on the issue.
- v. to have a meeting or discussion to come to a decision or agreement or exchange ideas; to bestow something
11. Governments _____ their citizens to buy eco-friendly products through subsidies.
- v. to make someone want to do in a particular way by offering them a reward
12. 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
13. The construction site was an _____ that disrupted the peacefulness of the area.
- n. something unpleasant, unattractive, or offensive to look at, often because it is neglected, run-down, or out of place
14. 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: 8. twisted, 9. oxygen, 10. confer, 11. incentivize, 12. spinning, 13. eyesore, 14. develop

15. The large group of _____ swam gracefully in the ocean, jumping out of the water now and then.
- n.* a marine mammal that typically has a beaklike snout, a streamlined body, and flippers and that feeds on fish and squid
16. The police _____ believed this explanation was plausible.
- adv.* based on what you have heard or read
17. There was a chemical _____ of the lime with the groundwater.
- n.* a response that reveals a person's feelings or attitude; (in chemistry) a process in which one or more substances are changed into others
18. Please _____ her with the furniture relocation.
- v.* to help someone in doing anything
19. The national assembly has _____ the budget.
- v.* to choose to follow something; to legally take a child from another family and care for them as if they were one's own
20. The public is _____ that the prime minister has committed fraud.
- adj.* completely certain about something; having a strong belief or conviction in a particular religion
21. The prime minister canceled visits to other countries to resolve _____ disputes.
- adj.* of or relating to the inside of something
22. Government workers cannot _____ to political campaigns.
- v.* to give something, especially money or goods, to provide or achieve something together with other people

ANSWERS: 15. dolphins, 16. apparently, 17. reaction, 18. assist, 19. adopted, 20. convinced, 21. internal, 22. contribute

23. The boat's _____ stopped working in the middle of the lake.
- n.* a device with rotating blades or vanes used for propulsion or creating lift, typically used on boats or aircraft
24. The jockey _____ the horse hard to take first place.
- v.* to hit a person or an animal severely with a thin, flexible stick with a cord or leather thong at the end, as a punishment, discipline, etc.
25. The advent of _____ fertilizers markedly increased agricultural productivity.
- n.* a compound of nitrogen and hydrogen that forms a gas with a strong smell, used as cleaning substances, fertilizers, and explosives
26. Rebels sabotaged the main _____ supplying oil.
- n.* a very long large tube that is usually underground and is used for carrying liquid or gas for long distances
27. He was provoked to _____ the draft on the floor.
- v.* to throw or push something or someone with force or recklessness, especially because you are angry
28. 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
29. The oil _____ was shut down due to safety concerns after a major accident.
- n.* a facility that is used to process, purify, and refine raw materials such as oil or metal into a more useful or valuable form

ANSWERS: 23. propeller, 24. whipped, 25. ammonia, 26. pipeline, 27. fling, 28. panel, 29. refinery

30. The bird _____ through the sky, and its wings spread wide.
v. to fly or rise very high or to a great height, often with great grace or ease
31. He _____ when he heard that he had been accepted into the university.
v. to turn over into a different position quickly; to throw or toss with a light motion
32. The production of _____ fuels requires massive volumes of fresh water.
adj. capable of being renewed, extended, or replaced
33. The lush vegetation _____ across the wonderfully landscaped gardens.
v. to sit, lie, or fall with one's arms and legs spread out
34. We cannot afford to squander _____ time.
adj. uncommon and extremely valuable
35. As a result of this _____ we have revised our safety measures.
n. the act of changing something, usually to improve it, or something changed
36. The summer _____ was refreshing after the hot day.
n. a gentle wind that is not very strong or forceful, typically cool and refreshing
37. We need to _____ the aspect of his personality from the part of his competence when making an investment decision.
v. to force, take, or pull apart; mark as different
38. The car accident was a traumatic _____ for everyone involved.
n. a painful, difficult, or dangerous experience or trial; a severe test of endurance or patience

ANSWERS: 30. soared, 31. flipped, 32. renewable, 33. sprawls, 34. precious, 35. modification, 36. breeze, 37. separate, 38. ordeal

39. Hydrogen and oxygen _____ to form water.

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

40. Energy-efficient _____ are needed to maximize the cruising distance of electric vehicles.

n. a device that converts electricity, fuel, etc. into movement and makes a machine, vehicle, etc. work

41. The cat _____ into a ball and went to sleep.

v. to form or make something form into a curved or spiral shape; (noun) a round shape formed by a series of concentric circles

42. 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

43. This container stores an _____ substance.

adj. easily able or likely to shatter violently or burst apart; sudden and loud

44. The _____ dog was running around the house, knocking things over.

adj. excessively or abnormally active, restless, or easily excitable, particularly about children or animals with attention deficit hyperactivity disorder (ADHD)

45. Could you help me _____ some furniture?

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

46. The customer on the Internet has to choose one from a formidable _____ of products.

n. a large group or collection of things or people, especially one that is impressive or attractive

ANSWERS: 39. combine, 40. motors, 41. curled, 42. process, 43. explosive, 44. hyperactive, 45. shift, 46. array

47. 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
48. _____ gas is used to inflate car tires because it does not react with rubber.
- n.* a chemical element with the symbol N and atomic number 7, which is a highly reactive element that forms part of many compounds, including amino acids and proteins
49. The engine _____ the rocket into space.
- v.* to push or drive forcibly; to impose or insert; (noun) the force used in pushing
50. The roads _____ through the countryside, creating a beautiful scenic drive.
- v.* to move or make lines that intersect or cross each other in a pattern resembling a series of X's
51. The high-technology industry is enjoying a _____.
- n.* a sudden increase in economic activity, or a sudden happening that brings good fortune; a deep, loud, and prolonged sound
52. During the unloading, the container box _____ a clicking sound.
- v.* to give off or send out something such as light, heat, sound, gas, etc.
53. The blood's red coloring comes from iron _____.
- n.* a chemical compound that contains at least one oxygen atom and one other element
54. Aging societies tend to require huge costs for _____ maintenance.
- n.* the basic systems, services, or features that are necessary for an organization or country, such as transport and power supplies

ANSWERS: 47. containers, 48. Nitrogen, 49. thrust, 50. crisscrossed, 51. boom, 52. emits, 53. oxide, 54. infrastructure

55. The celebrity was _____ about attending yet another red carpet event.

adj. indifferent to or unimpressed by something that may be seen as exciting, interesting, or significant; jaded or worldly-wise

56. The price of raw _____ continued to rise.

n. a plant that is grown in warm countries and bears bolls containing seeds with soft and long hairs that are made into textile fiber and thread for sewing

57. 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

58. The _____ crew worked around the clock to unload the cargo at the port.

n. a ship, aircraft, or other vehicle used for transporting cargo or goods in bulk

59. _____ and weather have an impact on every part of our lifestyles.

n. the weather in a particular location averaged over some long period

60. The wind _____ were spinning rapidly, generating clean energy for the nearby town.

n. a machine that rotates to generate power from fluids such as water or gas

61. He gave a stern _____ to the naughty student.

n. great care and attention that you take to avoid danger or mistakes; a warning against certain acts

62. She hung the wet _____ on the clothesline to dry.

n. a piece of clothing, such as a dress, coat, or shirt

ANSWERS: 55. blase, 56. cotton, 57. planet, 58. freighter, 59. Climate, 60. turbines, 61. caution, 62. garment

63. 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
64. He kept a ____ on his expenses by writing them down in a notebook.
n. a small flap or strip of material attached to or projecting from something; the key on a typewriter or a word processor that causes a tabulation; a bill
65. 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
66. The city's economy relies heavily on the _____ industry and its port.
adj. relating to or connected with the sea, especially about shipping, navigation, or commercial activity
67. The _____ to the safe was a secret.
n. a collection of things that have been combined; an assemblage of separate parts or qualities
68. His estate was _____ to his sons.
v. to give something to a large number of individuals, or to spread or furnish something
69. The spacecraft's _____ system helped it travel through space.
n. the act or process of propelling or driving something forward, often using a motor, engine, or other mechanical means

ANSWERS: 63. offshore, 64. tab, 65. economy, 66. maritime, 67. combination, 68. distributed, 69. propulsion

70. 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

71. The car's _____ function allows it to shift into a higher gear for better fuel efficiency on the highway.

- n.* a gear in a vehicle that allows the engine to operate at a higher speed than the vehicle's speed, resulting in greater fuel efficiency and smoother driving; (verb) to drive or work too hard

72. He walked a road _____ to the railroad.

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

73. During the war, many _____ ships were converted into battleships.

- n.* the goods carried by ship, aircraft, or other vehicles

74. Please refrigerate the meat, or it will _____.

- v.* to decay, or cause something to decay, naturally and gradually

75. Companies often _____ their shares to lower the stock price and encourage investors to buy.

- v.* to divide, or to make something divide into two or more parts, especially along a particular line

76. The vehicle bounced along the _____ mountain road.

- adj.* not quite exact or correct; having or caused by an irregular surface

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

- adj.* of or relating to or resulting from industry

ANSWERS: 70. tube, 71. overdrive, 72. parallel, 73. cargo, 74. rot, 75. split, 76. rough, 77. Industrial

78. The angry customer began to _____ when their order was delayed.
- v.* to emit gas, smoke, vapor, or a strong, unpleasant odor; to show anger, irritation, or annoyance in a visible way; (noun) gas or vapor that is emitted from a substance, usually as a result of heating or combustion
79. The 50-floor _____ loomed over the city, dwarfing the other buildings.
- n.* a very tall building, typically one in a city
80. The company's profits _____ after the recall of their new product.
- v.* to dive quickly and steeply downward; to thrust or throw into something; (noun) a steep and rapid fall
81. We store customer data in cloud _____.
- n.* the act or process of putting in and keeping something in a particular place for use in the future; an electronic memory device that can store information
82. The engine did not start because the _____ was flat.
- n.* a device that is placed inside a car, gadget, equipment, etc. and that provides electrical power to them
83. The firm has grown into a large _____ manufacturing.
- adj.* relating to or connected with chemistry;
84. The findings of the experiment were both _____ and unexpected.
- adj.* causing a lot of interest or excitement
85. The shape of the DNA _____ is a double helix.
- n.* a group of two or more atoms held together by attractive forces known as chemical bonds

ANSWERS: 78. fume, 79. skyscraper, 80. plunged, 81. storage, 82. battery, 83. chemical, 84. exciting, 85. molecule

86. 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
87. Some herds have been observed to _____ hundreds of kilometers.
- v.* to make or be capable of making anything longer or broader without hurting or breaking
88. The patient was diagnosed with an _____ disease and given only a few months to live.
- adj.* not able to be cured, healed, or remedied; beyond recovery or redemption
89. The volcano started to _____ lava and ash, causing panic among residents.
- v.* to eject forcefully and abundantly; to flow out rapidly and in large amounts
90. The storm left a _____ of destruction behind it.
- n.* a path or track roughly through a countryside, mountain, or forest area, often made or used for a particular purpose; (verb) to lag or linger behind
91. The stock prices have _____ in the last hour, causing concern for investors.
- v.* to fall or drop suddenly and steeply; to decline rapidly or sharply
92. The mobile application industry is a _____ one.
- adj.* involving competition or competitiveness
93. 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

ANSWERS: 86. facility, 87. stretch, 88. incurable, 89. spew, 90. trail, 91. plummeted, 92. competitive, 93. greenhouse

94. The systems we have developed has accepted as industry _____.
n. something that is regarded as usual, typical, or standard
95. _____ of the people grew until the revolt was unavoidable.
n. the act or process of burning something
96. There are five distinct _____ at five unique wavelengths.
n. the act of production or sending out gas, heat, light, etc.
97. The threat of losing his job was the _____ he needed to work harder.
n. a thing that encourages someone to do something; any sharply pointed projection; (verb) to incite or stimulate someone or something
98. The North _____ is the northernmost point on Earth.
n. one of two antipodal points where the Earth's axis of rotation intersects the Earth's surface; a long, slender, rounded rod, typically of wood or metal, used as a support or to hang something
99. 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
100. Institutional _____ refrained from buying stocks amid the booming economy.
n. someone who puts money or capital into something to gain financial returns
101. The _____ and the oxygen react and then form water.
n. the chemical element that is the lightest gas is colorless, odorless, tasteless, and combines with oxygen to form water

ANSWERS: 94. norms, 95. Combustion, 96. emissions, 97. spur, 98. Pole, 99. efficiency, 100. investors, 101. hydrogen

102. This jigsaw _____ is challenging because there are no pictures.

n. a situation that is difficult to follow or solve; a game, problem, or toy that tests a person's ingenuity or knowledge; (verb) to cause someone to feel confused because of something difficult to understand

103. This chemical compound is a thousand-fold more _____.

adj. of or relating to or caused by a poison; poisonous

104. Cities around the world set records for highest _____ this summer.

n. the degree of hotness or coldness of a thing or place

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

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

106. 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

107. The _____ of water produces oxygen and hydrogen.

n. a process or technique of chemical decomposition produced by passing an electric current through an ion-containing liquid or solution

108. The chef expertly _____ the sauce onto the plate.

v. to move in a circular or spiral pattern

109. The rough waves made some passengers feel _____ during the boat ride.

adj. feeling ill or nauseous as a result of being on a ship or boat that is moving or rocking back and forth in a rough sea; suffering from motion sickness

ANSWERS: 102. puzzle, 103. toxic, 104. temperatures, 105. giant, 106. carbon, 107. electrolysis, 108. swirled, 109. seasick

110. _____ tea is known for its calming effects on the body and mind.
n. a plant with white, daisy-like flowers that is widely used to make tea and herbal remedies, known for its calming and soothing qualities
111. The test results were _____ and showed improvement.
adj. giving hope, confidence, or support; inspiring
112. The _____ scarcity most severely impacted the manufacturing sector
n. a substance that is typically burned to generate heat or energy
113. The car's _____ aerodynamic design made it look fast even when standing still.
adj. smooth and glossy in appearance or texture; streamlined and elegant in design or form; characterized by a polished or refined style or appearance
114. The researchers try to discover a common _____ in all types of successful organizations.
n. one of several parts that combines with others to form something bigger
115. He cannot _____ a holiday.
v. to have enough money or time to be able to buy or do something
116. The ship's _____ was damaged in the storm, and the crew had to make emergency repairs.
n. the main body or frame of a ship, airplane, or other vehicles, or the outer covering or shell of a seed, fruit, or other objects
117. The _____ arrived in port the following day.
n. a ship or large boat

ANSWERS: 110. Camomile, 111. encouraging, 112. fuel, 113. sleek, 114. component, 115. afford, 116. hull, 117. vessel

118. The product developed through years of research continues to _____ the market.
- v.* to make a machine or system work by using electricity; to make someone extremely enthusiastic about or interested in something
119. The government should view children as national assets and actively _____ in them.
- v.* to put money, effort, time, etc. into something to make a profit or achieve a result
120. The astronaut trained for years before embarking on her _____ to the International Space Station.
- n.* a long journey, especially by sea or in space
121. Babies heavily _____ on others for food.
- v.* to require a specific thing or the assistance and support of someone or something to continue, run properly, or succeed.
122. This pie _____ represents our market share.
- n.* a visual display of information such as a diagram, lists of figures, etc.; a map designed to assist navigation by air or sea
123. Nearly all tractors operate on _____ fuel.
- n.* a type of heavy oil used as fuel; a vehicle or engine that uses diesel fuel
124. We all _____ him because he is a nobleman.
- v.* to have regard for or respect for someone's qualities or the actions they have performed
125. The company's new _____ on remote work has made it a more inclusive workplace.
- n.* a set of rules, guidelines, principles, or procedures that govern decision-making or action, often used in the context of business or government; a course of action or plan of action adopted or followed by an organization or individual to achieve a goal or objective

ANSWERS: 118. electrify, 119. invest, 120. voyage, 121. rely, 122. chart, 123. diesel, 124. admire, 125. policy

126. 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
127. We should do our best not to _____ the environment.
- v.* to make an area or substance, such as land, air, water, etc., dirty or harmful to living things by adding waste matter or harmful chemicals
128. The female vagina is elastic enough to allow the passage of a _____.
- n.* an unborn or unhatched animal in the later stages of development showing the main recognizable features of the mature animal
129. As people age, their digestive capacity also gradually _____.
- v.* to become gradually smaller, fewer, worse, etc.; to refuse to accept
130. 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
131. The various departments of the company will _____ into one cohesive unit.
- v.* to come together or merge into a single group, mass, or whole; to blend or combine elements or ideas into a unified whole
132. The _____ shop was closed on Monday, much to the disappointment of many customers.
- n.* a person who cuts men's hair and shaves beards as a profession; a shop or establishment where such services are offered
133. The _____ of the machine must follow strict safety protocols.
- n.* a person who uses and controls machinery or equipment; a mathematical symbol used to perform calculations

ANSWERS: 126. launch, 127. pollute, 128. fetus, 129. declines, 130. fossil, 131. coalesce, 132. barber, 133. operator

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

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

135. Five miles is _____ similar to eight kilometers.

- adv.* approximately but not precisely; with a violent manner

136. The nobler, the more _____.

- adj.* having or showing a modest or low estimate of one's quality or importance

137. He was known to be very _____ and would often work late into the night.

- adj.* hardworking, diligent, and persistent in effort

138. 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

139. The CEO's decision was _____ in the success of the company's expansion plans.

- adj.* relating to or acting as a pivot or central point; crucial or essential to the success or outcome of something

140. The country's economy relies heavily on its _____ industry.

- n.* a flammable liquid consisting of a complex mixture of hydrocarbons that occurs naturally in certain rock formations and can also be refined to produce fuels such as gasoline, diesel, and jet fuel

ANSWERS: 134. harness, 135. roughly, 136. humble, 137. industrious, 138. fertilizers, 139. pivotal, 140. petroleum

141. We must _____ to this matter.

v. to be present at an event, to go to a place

142. The _____ has largely gotten positive feedback.

n. an extended fictional work in prose; usually in the form of a story; (adjective) original and of a kind not seen before

143. We want to _____ ties between our two countries.

v. to make or become better

144. His thinking is _____ in the country's culture.

n. the ideas, opinions, beliefs, etc., that are considered normal or accepted by most people

145. Many countries around the world have built dams to harness the power of _____ for their energy needs.

n. electricity generated from the energy of moving water, usually using turbines and dams in rivers or other bodies of water

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

v. to change in outward structure or looks;

147. He stepped on the gas pedal, and the engine released a loud _____.

n. a measure of the rate at which an engine or motor rotates, often expressed in revolutions per minute (RPM); (verb) to increase the number of rotations per minute

148. The majority of synthetic vitamins are _____ from oil.

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

ANSWERS: 141. attend, 142. novel, 143. improve, 144. mainstream, 145. hydropower, 146. transformed, 147. rev, 148. manufactured

149. He was pretty _____ to pass the exam.

adj. having good luck or lucky

150. Ecuador is on the _____.

n. an line of latitude that separates Earth's northern and southern hemispheres and has a radius of around 40,075 kilometers (24,901 miles)

151. The outermost _____ shell determines the chemical properties of an atom.

n. a tiny particle with the negative electrical charge

152. The construction company _____ the building with an earthquake-resistant device.

v. to provide a person or a place with the things that are needed for a particular purpose or activity

153. I always carry a backup _____ in case my phone runs out of battery.

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

154. One light year is nearly 6 _____ miles.

n. the number 1,000,000,000,000; a million million

155. The garbage in the alley began to _____ after a few hot days.

v. to emit a strong, unpleasant odor; to have a strong offensive smell; to be corrupt or unethical

156. The _____ expertise in naval architecture made them the top choice for the job.

n. a person or company that builds ships, typically working with steel and other durable materials to construct both commercial and military vessels

ANSWERS: 149. fortunate, 150. equator, 151. electron, 152. equipped, 153. device, 154. trillion, 155. stink, 156. shipbuilder's

157. This project has been _____ for several years.

adj. having started and currently in progress

158. The old locomotive _____ slowly along the tracks, pulling a long line of freight cars.

v. to make a dull, steady, and repetitive sound, as if from an engine or machine; to drink, especially alcohol, quickly and in large quantities; (noun) the sound made by a vehicle, particularly a train or a boat, as it moves steadily and slowly

159. My father is _____ in his thinking.

adj. of or relating to a time in the past; not modern

160. The policies he announces can be the _____ of economic growth in the country.

n. a machine that converts thermal energy to mechanical work; something that has an important role used to achieve a purpose

161. His leg was in _____ for weeks after the accident.

n. the action or ability to pull something along a surface without sliding

ANSWERS: 157. underway, 158. chugged, 159. old-fashioned, 160. engine, 161. traction