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Vocabulary Builder Reference from...

Donald Sadoway: The missing link to renewable energy | TED Talk

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

All Words

IMPORTANT

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Session 1: Word List

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.

constant

adj. happening repeatedly or all the time

synonym: ceaseless, stable, unchanging

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

Constant dropping wears away the stone.

balance

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

synonym: equilibrium, counterpoise, remainder

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

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

watt

n. a standard unit for measuring electrical power

(1) 30- **watt** light bulb, (2) **watt** per square meter

Several hectares of land are needed to generate more than 1-mega **watt** solar power.

grid

n. a pattern of regularly spaced horizontal and vertical lines; a system of high tension cables by which electrical power is distributed throughout a region

synonym : gridiron, battery grid, power system

(1) a **grid** design, (2) a wire **grid**

Grid pattern roads often appear in urban areas.

immediately

adv. now or without delay

synonym : directly, instantly, promptly

(1) **immediately** recall a product, (2) write him an answer **immediately**

A suspension order from the court is effective **immediately**.

coal

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

synonym : ember

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

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

nuclear

adj. of or relating to or constituting the nucleus of an atom; deriving destructive energy from the release of atomic energy

synonym : atomic

(1) **nuclear** fusion, (2) use of **nuclear** power

Many countries have now agreed to a treaty banning the use of **nuclear** weapons.

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.

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.

intermittent

adj. occurring at irregular intervals; not continuous or steady; stopping and starting periodically; sporadic

synonym : sporadic, irregular, periodic

(1) **intermittent** fever, (2) **intermittent** Wi-Fi

The **intermittent** rain made it difficult to plan a picnic.

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.

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.

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.

liquid

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

synonym : fluid

(1) colorless **liquid**, (2) hazardous **liquid**

The sponge takes up the **liquid** well.

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**.

invention

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

synonym : creation, design, innovation

(1) the **invention** of new techniques, (2) common **invention**

Necessity is the mother of **invention**.

doctoral

adj. of or relating to doctorate (= the highest degree from a university) or the achievement of a doctorate

synonym : doctoral

(1) **doctoral** program, (2) **doctoral** research

She is pursuing a **doctoral** degree in psychology to become a licensed therapist.

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.

spectrum

n. an ordered array of colors into which a light beam can be split

synonym : range, scale, spread

(1) a broad **spectrum** of opinion, (2) infrared **spectrum**

This device displayed the speech **spectrum**

spectrographically.

define

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

synonym: characterize, depict, express

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

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

wavelength

n. the distance between two points in the same phase in consecutive cycles of a wave

(1) **wavelength** of light, (2) long- **wavelength** laser

White color is made up of many different **wavelengths** of light.

electromagnetic

adj. of or relating to the magnetism produced by electric charge in motion

(1) **electromagnetic** radiation, (2) **electromagnetic** properties

His hypothesis concerns the role of an **electromagnetic** field in human health.

radiation

n. the energy that comes from a nuclear reaction in the form of rays, waves, or particles and that can be hazardous to health

synonym: dissemination, emission, irradiation

(1) exposure to **radiation**, (2) electromagnetic **radiation**

He tried every possible treatment, including chemotherapy and **radiation** therapy.

gamma

n. the third letter of the Greek alphabet; a type of radiation having the shortest wavelength and highest energy of electromagnetic waves

synonym: ray, radiation, emission

(1) **gamma** radiation, (2) **gamma** particles

Gamma rays are a type of high-energy radiation that can be

harmful to living organisms.

ray *n.* a narrow line of light, heat, or another form of energy
synonym : beam, light, glimmer

(1) opaque to X- **rays**, (2) effect of cosmic **rays**

Gamma **rays** penetrate body tissues and cause cell damage.

visible *adj.* capable of being seen; or open to easy view
synonym : clear, observable, seeable

(1) **visible** stars, (2) **visible** by X-ray

My home is easily **visible** from the shore.

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.

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.

uncover *v.* to remove the cover from something; to discover something previously unseen or hidden
synonym : disclose, reveal, unveil

(1) **uncover** a potential problem, (2) **uncover** the truth

He continued his investigation and soon **uncovered** another

crime.

heterodoxy

n. the holding of opinions or beliefs that are different from established or orthodox views, especially in religious or political contexts

synonym: unorthodoxy, dissent, heresy

(1) regard it as **heterodoxy**, (2) **heterodoxy** theories

The **heterodoxy** of her political beliefs made her stand out among her peers.

innovation

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

synonym: invention, initiation, creation

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

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

conserve

v. to protect something, especially the natural environment or culture, from change, damage, or destruction

synonym: preserve, save, maintain

(1) means to **conserve** energy, (2) **conserve** coal resources

Children must be taught to **conserve** our natural environment.

drill

n. a tool or machine used for making round holes or driving fasteners; a training or practice

synonym: exercise, routine, training

(1) the **drill** hit the well, (2) fire **drill**

Several military **drill** programs have become popular methods of exercise.

bomb

n. a weapon that explodes and is used to kill or injure people or to cause damage to something

synonym: missile, explosive, ammunition

(1) atomic **bombs**, (2) disarm the **bomb**

The use of cluster **bombs** is strictly prohibited by international law.

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.

electrochemistry

n. the branch of physical chemistry concerned with the relations between electrical and chemical phenomena

(1) **electrochemistry** device, (2) **electrochemistry** element

Many electric vehicle companies now employ **electrochemistry** capacitors for circuits.

electroplate

v. to coat or cover an object with a layer of metal, typically by using an electric current; to apply a thin metallic layer onto a surface for decorative or protective purposes

synonym : plate, coat, cover

(1) **electroplate** jewelry, (2) **electroplate** a metal surface

The jewelry manufacturer will **electroplate** the silver necklace with a thin layer of gold.

overlook

v. to fail to notice something; to watch over someone; to provide a view from above

synonym : disregard, look down, supervise

(1) **overlook** a street, (2) **overlook** that fact

We cannot **overlook** an opportunity for great success.

demonstrate

v. to display something or give an exhibition to an interested audience

synonym : show, illustrate, display

(1) **demonstrate** a difference, (2) **demonstrate** mastery

How can you **demonstrate** that the earth is a sphere?

utility

n. the state or quality of being useful or convenient; the service, such as electric power or water or

transportation, provided by a public

synonym: usefulness, practicality, utility

(1) **utility** costs, (2) marginal **utility**

The **utility** of the device was immediately apparent to all who saw it.

stack

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

synonym: accumulation, heap, pile

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

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

zinc

n. a metallic element that is found in small amounts in the earth's crust and is used in the manufacture of brass and alloys, and is required to maintain human's health

synonym: Zn

(1) good source of **zinc**, (2) **zinc** deficiency

Zinc supplements are often recommended for people who are deficient in this mineral.

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.

cardboard

n. a stiff, thick material made from compressed paper pulp used to make boxes and other packaging materials

synonym: corrugated board, paperboard

(1) **cardboard** box, (2) **cardboard** cutout

I made a **cardboard** box to store my winter clothes in.

soaked

adj. completely wet; saturated or drenched with a liquid

synonym: drenched, saturated, wet

(1) **soaked** clothes, (2) **soaked** sponge

The hiker's boots were **soaked** from walking through the stream.

brine

n. a strong solution of salt water used for preserving food, especially meat or fish; saline water found in salt mines or evaporated from seawater

synonym: saltwater, seawater, saline

(1) **brine** solution, (2) **brine** shrimp

The recipe called for a teaspoon of **brine** to add flavor.

electrode

n. either of two points or ends of a conductor at which electricity enters or leaves an object, substance, or region

(1) platinum **electrodes**, (2) **electrode** corrosion

It is important to place the **electrodes** in the correct position for accurate electro-cardiogram recording.

composition

n. the different parts of something's elements or ingredients; the way in which the different components are organized; a piece of music written by someone

synonym: creating, formatting, arrangement

(1) age **composition** of the population, (2) the piano passages in the **composition**

Their innovative concepts were consistent across their bodies of **composition**.

electrolyte

n. a substance that conducts electricity when dissolved in water or another solvent and that is essential for many physiological processes in the body

(1) the strong **electrolyte**, (2) replenish his **electrolytes**
Electrolyte imbalances can cause health problems.

dissolve

v. to be or cause to be absorbed by a liquid to form a part of the solution; to close down or dismiss

synonym: disband, disappear, liquefy

(1) **dissolve** the sugar, (2) officially **dissolved** the marriage

The political party **dissolved** after much internal fighting.

admittedly

adv. used to acknowledge a fact or statement, often one that weakens or contradicts an argument or opinion; concededly

synonym : notably, honestly, truly

(1) **admittedly** true, (2) **admittedly** controversial

The book was **admittedly** difficult to follow but still worth reading.

straightforward

adj. easy to do or understand, or simple; free from ambiguity

synonym : honest, candid, forthright

(1) **straightforward** manner, (2) make a **straightforward** dash

The defendant gave a **straightforward** and accurate description of the accident.

compelling

adj. arousing strong and irresistible interest, attention, or admiration

synonym : tempting, captivating, influential

(1) tell a **compelling** story, (2) new and **compelling** evidence

His **compelling** presentation deeply moved everyone.

requirement

n. something that is needed or wanted

synonym : prerequisite, provision, condition

(1) meet **requirement**, (2) school **requirement**

What is the entry **requirement** for this course?

uncommon

adj. not occurring or seen very often; rare

synonym : rare, scarce, unusual

(1) **uncommon** occurrence, (2) **uncommon** talents

It was **uncommon** for the store to have such a big sale.

lifetime

n. the duration of someone's life or something's existence;

synonym : lifespan, duration

(1) **lifetime** benefits, (2) **lifetime** ban from the sport
She had lived through two world wars in her **lifetime**.

abandon

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

(1) **abandon** a friend, (2) **abandon** the practice
The castle was **abandoned** several years later.

paradigm

n. a standard or typical example of something; a pattern or model

synonym: example, standard, epitome

(1) major **paradigm** shift, (2) cultural **paradigm**
He postulated a completely different **paradigm** to explain all these phenomena.

chemistry

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

(1) professor of **chemistry**, (2) the **chemistry** of soil
He is familiar with **chemistry** and biology.

chase

v. to pursue something or someone to catch or capture them; to go after something vigorously or with determination; (noun) a pursuit or a hunt; a narrow groove or channel cut into a surface, often used for decorative purposes

synonym: pursue, hunt, track

(1) **chase** a dream, (2) wild goose **chase**
The police officer **chased** the suspect through the crowded streets until they finally caught him.

curve

n. a bend or angle in a line or surface that deviates from a straight or flat path; a gradual or smooth change in direction or shape

synonym: bend, arc, turn

(1) learning **curve**, (2) yield **curve**

The **curve** in the road was so sharp that I had to slow down to navigate it safely.

periodic

adj. happening at regular intervals over a while

synonym : regular, frequent, recurring

(1) the **periodic** blooming of the cherry-blossom,

(2) **periodic** payments

Astronomers are examining whether the **periodic** signals emanating from this star are artificial.

axiom

n. a statement or principle that is regarded as being self-evidently true and does not require proof or justification; a fundamental truth upon which other truths or theories are based

synonym : principle, maxim, postulate

(1) self-evident **axiom**, (2) fundamental **axiom**

It is an **axiom** in mathematics that two parallel lines never intersect.

off-limits

adj. not allowed to be entered or used

synonym : prohibited, restricted, forbidden

(1) **off-limits** to development, (2) **off-limits** topic

The restricted area was **off-limits** to visitors.

abundant

adj. present in great quantity

synonym : ample, plentiful, generative

(1) live an **abundant** life, (2) an **abundant** supply of water

The country has **abundant** oil and natural gas resources.

dirt

n. soil, dust, or any substance that makes a surface not clean; the part of the earth's surface consisting of humus and disintegrated rock

synonym : filth, grime, muck

(1) **dirt** road, (2) **dirt** track

The garden was filled with **dirt** and needed to be tilled before planting.

preferable

adj. more desirable or suitable than another option; more favored or favored over something else; better or more advantageous

synonym : desirable, preferred, better

(1) **preferable** option, (2) **preferable** solution

For most people, living in a quiet suburb is **preferable** to living in a busy city.

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.

technique

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

synonym : approach, procedure, strategy

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

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

fortune

n. a large amount of money or property; chance or luck as an unknown and arbitrary force affecting human affairs

synonym : wealth, affluence, assets

(1) ill **fortune**, (2) bit of good **fortune**

Capitalism guarantees the right of ownership of personal **fortune**.

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.

perspective

n. a confident attitude toward something; a particular style of thinking about something

synonym : viewpoint, standpoint, outlook

(1) a **perspective** view, (2) the **perspective** of the battle
His father's death changed his whole **perspective** on life.

inspiration

n. something that motivates or encourages someone to create or achieve something, or a feeling of excitement or creativity

synonym : motivation, drive, encouragement

(1) source of **inspiration**, (2) get **inspiration** from nature
He found **inspiration** in the works of his favorite authors.

consume

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

synonym : absorb, ingest, use up

(1) **consume** a large of alcohol, (2) **consume** electricity
A smaller car will **consume** less fuel.

aluminum

n. a chemical element with the symbol Al that visually resembles silver, used especially for making cooking equipment and aircraft parts

(1) a layer of **aluminum** foil, (2) an **aluminum** alloy
Some of the parts of this car are made of **aluminum** to reduce weight.

statistics

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

(1) **statistics** for cancer, (2) official **statistics**
The **statistics** demonstrate that poverty and unemployment are genuine problems.

discovery

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

synonym : finding, uncovering, detection

(1) a scientific **discovery**, (2) the great **discovery** of the century
Her research team made an important **discovery**.

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.

structural

adj. associated with the way on construction or organization of anything

synonym : architectural, basic, anatomical

(1) **structural** analyses, (2) **structural** reorganization

The earthquake resulted in significant **structural** destruction.

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.

recreation

n. the activity that renews your health and spirits by enjoyment and relaxation; the act or process of making something that existed in the past exists or seems to exist again in a different time or place

synonym : amusement, entertainment, refreshment

(1) outdoor **recreation**, (2) **recreation** of the homeland

Basketball is their usual **recreation** after school.

row

n. an arrangement of objects or people side by side in a line; (verb) to propel a boat through the water using oars

synonym : line, sequence, layer

(1) criminal on death **row**, (2) a **row** of cherry trees

He was the leader of the demonstrators and spoke out against the war in the front **row**.

resemble

v. to look like or be similar to someone or something

synonym : look like, be similar to

(1) **resemble** each other, (2) **resemble** her mother

The brothers **resemble** each other in the hobby.

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.

solid

adj. hard or firm; characterized by good substantial quality
synonym: stable, reliable, hard

(1) **solid** ally, (2) **solid** employment measures

The **solid-state** of water is called ice.

melt

v. to turn from something solid into something soft or liquid as a result of heating

synonym: disintegrate, soften, disappear

(1) **melt** the ice, (2) **melt** down gold

Her resistance **melted** under his persuasion.

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.

molten

adj. in a liquid state as a result of being heated

synonym: melted, liquefied, fused

(1) a **molten** image, (2) **molten** lava

The **molten** metal was poured into the mold.

virgin

n. a person who has never had sex; (adjective) being used or worked for the first time

synonym: virtuous, vestal, beginner

(1) **virgin** material, (2) enter **virgin** territory

Within a few years, no **virgin** forests will remain.

pound

n. the standard unit of money in the UK; the standard unit of weight equal to 16 ounces

(1) three-fourths of a **pound**, (2) thousands of **pounds**

The car's front bumper cost fifteen hundred **pounds**.

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.

miracle

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

synonym: wonder, marvel, phenomenon

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

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

metallurgy

n. a branch of materials science and engineering that stands at metals' physical and chemical properties, their compounds with other metals, and their mixtures, called alloys.

(1) nickel **metallurgy**, (2) welding **metallurgy**

He taught engineering and **metallurgy** classes.

obsess

v. to fill the mind of someone continually so that one can't think of anything else

synonym: torment, beset, engross

(1) **obsess** over her weight, (2) he is **obsessed** with the fear

He's utterly **obsessed** with his promotion.

capture

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

synonym : catch, arrest, imprison

(1) **capture** a glimpse, (2) **capture** customers' hearts

I was able to **capture** the moment on film.

gigantic

adj. extremely large

synonym : huge, enormous, immense

(1) **gigantic** proportions, (2) **gigantic** monsters

He was so hungry from the long journey that he had a **gigantic** appetite.

density

n. the quality of compactness of a substance

synonym : tightness, viscosity

(1) population **density**, (2) higher pixel **density**

Do you know the **density** of the population in Hong Kong?

enunciate

v. to say, pronounce, or utter words clearly

synonym : articulate, pronounce, say

(1) **enunciate** a new strategy, (2) **enunciate** each word

The doctrine of the country was **enunciated** by its first king.

depict

v. to illustrate someone or something in a photograph

synonym : illustrate, describe, express

(1) **depict** a scene, (2) **depict** a feeling of isolation

His son had accurately **depicted** the bloom.

recall

v. to remember something

synonym : remember, retrieve, recollect

(1) **recall** the incident, (2) **recall** his name

She vividly **recalls** getting laid off several years ago.

constraint

n. a limit or restriction on something, such as an action, behavior, or thought

synonym : limitation, restriction, bound

(1) **constraint** on business activity, (2) strict time

constraints

The budget **constraint** forced them to make difficult decisions.

abundance

n. a significant amount of something; the situation in which there is too much of something

synonym: plenty, affluence, plentitude

(1) an age of **abundance**, (2) an **abundance** of examples

A healthy farm provides an **abundance** of food.

opposition

n. the act of disagreeing or resisting; the state of strong disagreement

synonym: resistance, hostility, antagonism

(1) **opposition** campaign, (2) meet with **opposition**

The **opposition** party strongly disagreed with the government's proposed legislation.

mutual

adj. common to or shared by two or more parties

synonym: shared, common, joint

(1) share of a **mutual** fund, (2) **mutual** efforts

They cooperated for their **mutual** benefit.

react

v. to take action in response to something

synonym: respond, reply, oppose

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

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

thrill

n. a feeling of extreme and sudden excitement and pleasure; to cause someone to feel sudden intense sensation or emotion

synonym: exhilaration, delight, rush

(1) the **thrill** of speed, (2) incredible **thrill**

Skydiving is an overwhelming **thrill** for many people.

magnesium

n. a silvery-white metal with the symbol Mg and atomic number 12, which is the eighth-most abundant element in the Earth's crust and is used in the production of various alloys, as well as in biomedical research and as an important nutrient for plants and animals

synonym : Mg

(1) **magnesium** oxide, (2) **magnesium** alloy

Taking **magnesium** supplements can help alleviate muscle soreness after working out.

antimony

n. a chemical element with the symbol Sb and atomic number 51, often used in alloys, flame retardants, and medicines

(1) **antimony** compound, (2) **antimony** ore

The laboratory used **antimony** chloride in the production of certain chemicals.

chalk

n. a soft, white, porous sedimentary rock composed of calcium carbonate, often used for drawing or writing on surfaces such as blackboards

synonym : white rock, limestone, gypsum

(1) a piece of **chalk**, (2) **chalk** on a blackboard

The kids used colored **chalk** to create a mural on the pavement.

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.

ion

n. an atom or molecule that has a positive or negative electrical charge caused by its losing or gained one or more electrons

(1) **ion** channel, (2) rechargeable lithium- **ion** battery

The increased concentration of **ion** of hydrogen ions in an aqueous solution makes it more acidic.

migrate

v. to move from one country or region to another and settle there; to move from one place to another periodically or seasonally

synonym : relocate, emigrate, roam

(1) **migrate** across borders, (2) **migrate** a service

Many Germans **migrated** to South America in the mid-19th century.

alloy

n. a metal made by combining two or more metallic elements, especially to give greater strength or resistance to corrosion

synonym : mixture, blend, amalgamation

(1) **alloy** wheels, (2) brass **alloy**

The aircraft was made using a lightweight **alloy** of aluminum and titanium.

reverse

v. to change something's direction, order, position, decision, etc., to the opposite one; (adjective) directed or moving toward the rear

synonym : overturn, shift, switch

(1) **reverse** the trend, (2) **reverse** the order

The restaurant **reversed** a ban on smoking.

initial

adj. of or happening at the beginning; (noun) the first letter of a word, especially a person's name

synonym : basic, primary, beginning

(1) **initial** velocity, (2) an **initial** letter

They took the **initial** step toward reconciliation.

constitution

n. the set of fundamental principles or established precedents that a state, a country, or an organization is governed by; the act of forming or establishing something

synonym : fundamental law, establishment, formation

(1) the national **constitution**, (2) the national **constitution**

When the **constitution** is amended, it often creates a great deal of controversy throughout the country

laboratory

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

synonym: lab, workshop, testing room

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

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

hire

v. to give somebody a job

synonym: employ, engage, lease

(1) **hire** a guide, (2) **hire** a car by the hour

We should always be prepared to **hire** talented recruits.

mentor

n. a person who helps and advises a younger or less experienced person over time, usually at work or school

synonym: adviser, coach, tutor

(1) **mentor** for life, (2) fashion **mentor**

As a **mentor**, he helped me realize my career.

loose

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

synonym: relaxed, unconsolidated, open

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

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

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.

ph

n. a measure of the acidity or alkalinity of a substance, on a scale of 0 to 14, with seven being neutral, lower values indicating greater acidity, and higher values indicating greater alkalinity

synonym: acidity, alkalinity, balance

(1) **pH** value of seven, (2) **ph** scale

The **ph** level of this soil is too acidic for these types of plants.

proceeds

n. the money or profit earned from a particular activity or venture; the total amount collected from a sale or fundraiser

synonym : earnings, profits, income

(1) **proceeds** of a sale, (2) criminal **proceeds**

The **proceeds** from the charity auction will go towards building a school in a developing country.

attract

v. to draw or entice someone or something towards them through the qualities they have, especially positive ones

synonym : lure, entice, draw in

(1) **attract** attention, (2) **attract** customers

The government is eager to **attract** international investment.

sector

n. a distinct part or division of something often used to refer to a segment of an economy or industry; an area or field of work or activity

synonym : division, department, branch

(1) industrial **sector**, (2) private **sector**

The technology **sector** is constantly evolving and innovating.

government

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

synonym : administration, regime, state

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

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

expand

v. to increase or to make something greater in size, number, or importance

synonym : extend, grow, boost

(1) **expand** a lineup, (2) **expand** agricultural output

They hope to **expand** their business worldwide.

graduate

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

synonym : alumna, alum, grad

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

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

undergraduate

n. a student who is studying for their first degree at a university or other higher education institution

synonym : college student, freshman

(1) engineering **undergraduate**, (2) **undergraduate** course

The class was composed of both **undergraduate** and graduate students.

hearken

v. to listen attentively or carefully; to give heed or pay attention to something

synonym : listen, heed, pay attention

(1) **hearken** back to tradition, (2) **hearken** with delight

Please **hearken** to my words of advice before making a decision.

president

n. the leader of a republic, for example, the US; the person in charge of the organization such as a company, university, club, etc.

synonym : leader, CEO, chairperson

(1) **president** emeritus, (2) vice- **president** for finance

The club **president** does not have absolute power.

remark

n. a comment or observation, or something said or written about a particular subject or situation; (verb) to give a spoken statement on a particular subject or situation

synonym : comment, observation, statement

(1) a flattering **remark**, (2) **remark** dripping with bitterness

His candid **remark** at the meeting sparked a lively discussion among the attendees.

liberty

n. the state of being free within society from oppressive restrictions imposed by authority on one's way of life, behavior, or political views

synonym : freedom, autonomy, independence

(1) personal **liberty**, (2) **liberty** as a right

The founding fathers fought for the **liberty** of the American people.

evolution

n. a gradual process of transformation of living things

synonym : elaboration, expansion, transition

(1) human **evolution**, (2) **evolution** theory

They study the **evolution** of the universe.

plurality

n. the state of being plural or multiple; a majority of votes or shares held by one group in a multi-candidate or multi-party system

synonym : majority, plurality, abundance

(1) political **plurality**, (2) cultural **plurality**

The team's **plurality** of skills allowed them to tackle a wide range of tasks.

puck

n. a small, hard rubber disc used in ice hockey and other related games; a mischievous or playful sprite or demon in folklore and mythology

synonym : disc, rubber

(1) hockey **puck**, (2) **puck** handling

The hockey player took a shot but missed the **puck** entirely.

remarkable

adj. worthy of attention because unusual or special

synonym : outstanding, exceptional, extraordinary

(1) **remarkable** achievement, (2) the **remarkable** breadth of knowledge

The election was a **remarkable** success for the Whigs.

saucer

n. a small, shallow dish with a slightly raised edge or rim used for holding a cup or as a decorative object; a flying object that is often associated with UFO sightings

synonym : dish, plate, salver

(1) tea **saucer**, (2) flying **saucer**

She sipped her tea from a delicate **saucer**.

robust

adj. sturdy and healthy in form, constitution, or construction; strong enough to withstand or overcome intellectual challenges or adversity

synonym : healthy, strong, booming

(1) **robust** growth, (2) a **robust** appetite

The experiment yielded **robust** results that support his theory.

scalable

adj. capable of being easily expanded or increased in size, number, or scale to meet changing demands

synonym : expandable, flexible, adjustable

(1) **scalable** solution, (2) dynamically **scalable**

The company's new software is highly **scalable**, allowing it to handle increasing number of users.

pace

n. the speed at which someone or something moves, or the rate at which something happens or changes

synonym : gait, rate, speed

(1) at your own **pace**, (2) the runner's **pace**

The economy is growing at a supercharged **pace**.

accelerate

v. to make something faster or earlier; to cause to develop or progress more quickly

synonym : speed up, quicken, rev

(1) **accelerate** a chemical reaction, (2) **accelerate** the car

The government tried to **accelerate** the commercialization of this development.

progression

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

synonym : advancement, development, evolution

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

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

diameter

n. the length of a straight line passing through the center of a circle and connecting two points on the circumference

synonym: diam, width

(1) **diameter** of an oval, (2) a particle **diameter**

Draw a circle five centimeters in **diameter**.

horizon

n. the line at which the earth's surface and the sky appear to meet; the range of interest or activity that can be anticipated

synonym: skyline, view, visible boundary

(1) the event **horizon** of a black hole, (2) business **horizon**

As the sun set, the colors of the sky merged with the **horizon**, creating a beautiful orange and pink hue.

bistro

n. a small, informal restaurant or café, typically serving simple, home-style meals or light refreshments

synonym: casual restaurant, brasserie, tavern

(1) French **bistro**, (2) cozy **bistro**

We decided to have a quick lunch at the neighborhood **bistro**.

prime

adj. main or most important; basic; (prime number, noun) a natural number greater than 1 that cannot be formed by multiplying two smaller natural numbers (e.g., 2, 3, 5, 7, 11 and 13)

synonym: excellent, exceptional, premium

(1) **prime** number, (2) deputy **prime** minister

After a thorough investigation, she has been named as the **prime** suspect.

variant

n. something that is slightly different from others of the same type

synonym: variation, modification, variance

(1) **variant** types of pigeon, (2) a **variant** of the same word

The first **variant** of the virus appeared in less than a month.

module

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

synonym : component, unit, segment

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

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

aggregate

n. a collection or sum of different things often used to describe a total or combination of items

synonym : total, sum, whole

(1) data **aggregate**, (2) an **aggregate** of people

The **aggregate** amount of money raised for the charity was over a million dollars.

placement

n. the act or process of putting something in a particular position or location; a temporary position or job in an organization

synonym : positioning, location, arrangement

(1) **placement** test, (2) **placement** agency

The **placement** of the advertisement on the billboard was strategic in attracting a large audience.

electrical

adj. relating to electricity

(1) an **electrical** storm, (2) degree in **electrical** engineering

Actuators convert **electrical** pulses into motion.

silent

adj. without any or little sound

synonym : quiet, hushed, mute

(1) **silent** reading, (2) give **silent** consent

The politician remained **silent** despite intense media scrutiny.

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.

remotely

adv. at a distance; not directly or easily accessible

synonym : distantly, remotely, slightly

(1) **remotely** operate, (2) control **remotely**

The company can **remotely** access its employees' computers for troubleshooting purposes.

subsidy

n. money paid by a government or an organization as part of the cost of something to aid or encourage it to happen

synonym : allowance, grant, sponsorship

(1) inefficient fossil fuel **subsidy**, (2) a **subsidy** for research

The government provided a considerable **subsidy** to the company.

conventional

adj. based on or following traditional rules, standards, customs, etc.

synonym : ancestral, customary, established

(1) a **conventional** style, (2) get a **conventional** loan

She is very **conventional** in her thoughts.

wisdom

n. the quality of being wise, or the ability to use your knowledge and experience to make sensible decisions

synonym : sagacity, discernment, insight

(1) a fountain of **wisdom**, (2) **wisdom** literature

The community greatly respected and sought after the older adult's **wisdom**.

install

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

synonym : establish, inaugurate, lodge

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

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

thermal

adj. relating to heat or temperature; designed for or capable of producing or maintaining heat

synonym : heat-related, warm, hot

(1) **thermal** insulation, (2) **thermal** energy

The **thermal** imaging camera was used to detect heat signatures in the dark.

elevate

v. to raise something from a lower to a higher position; to give a promotion to or assign to a higher position

synonym : lift, heighten, promote

(1) **elevate** educational standards, (2) **elevate** a close relationship

Eating food in a hurry **elevates** blood glucose levels.

handle

v. to deal with a situation, problem, or strong emotion

synonym : control, manage, deal with

(1) **handle** a precious object, (2) **handled** the incident

We all should learn how to **handle** stress.

surge

n. a sudden and great increase of something, such as a feeling, the amount or number, etc.

synonym : rush, spate, deluge

(1) a **surge** of shoppers, (2) the **surge** in foreign tourism

She drowned her **surge** of anger through her creative work.

vast

adj. enormous in size, number, amount, or quantity

synonym : expansive, extended, boundless

(1) **vast** majority, (2) **vast** desert

A **vast** audience viewed the broadcast.

strive

v. to try very hard to do, achieve, or obtain something

synonym : preserve, endure, persist

(1) **strive** hard to get, (2) **strive** for excellence

They **strived** to make their dream come true.

maximum

adj. the largest or greatest amount or value attainable or attained

synonym : peak, top, highest

(1) **maximum** limit, (2) the **maximum** speed

The **maximum** temperature recorded this summer was higher than average.

blueprint

n. a photographic print of an early plan for a building or machine

synonym : draft, prototype, sketch

(1) **blueprint** for economic reform, (2) architect's **blueprint**

A business plan is a **blueprint** for your success.

Session 2: Spelling

1. ex___d a lineup *v.* to increase or to make something greater in size, number, or importance
2. adm_____ly true *adv.* used to acknowledge a fact or statement, often one that weakens or contradicts an argument or opinion; concededly
3. a su_____y for research *n.* money paid by a government or an organization as part of the cost of something to aid or encourage it to happen
4. the great di_____ry of the century *n.* the act or process of finding information, a place, or an object, or learning about something that was previously not known
5. gov_____nt funding *n.* the group of people with authority to control a country or state
6. me___r for life *n.* a person who helps and advises a younger or less experienced person over time, usually at work or school
7. live an ab_____nt life *adj.* present in great quantity
8. criminal on death r_w *n.* an arrangement of objects or people side by side in a line; (verb) to propel a boat through the water using oars
9. a ro___t appetite *adj.* sturdy and healthy in form, constitution, or construction; strong enough to withstand or overcome intellectual challenges or adversity

ANSWERS: 1. expand, 2. admittedly, 3. subsidy, 4. discovery, 5. government, 6. mentor, 7. abundant, 8. row, 9. robust

10. economic mi____e *n.* an act or occurrence that is not explicable by natural or scientific laws and is therefore believed to be caused by God
11. man_____re an enzyme *v.* to make goods in large numbers, usually in a factory using machines
12. ca_____rd cutout *n.* a stiff, thick material made from compressed paper pulp used to make boxes and other packaging materials
13. mi____e across borders *v.* to move from one country or region to another and settle there; to move from one place to another periodically or seasonally
14. ga__a radiation *n.* the third letter of the Greek alphabet; a type of radiation having the shortest wavelength and highest energy of electromagnetic waves
15. 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
16. 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
17. mo____e software *n.* a self-contained unit or component of a larger system or structure; a standardized unit of computer hardware or software designed to perform a specific function

ANSWERS: 10. miracle, 11. manufacture, 12. cardboard, 13. migrate, 14. gamma, 15. develop, 16. storage, 17. module

18. personal li____y *n.* the state of being free within society from oppressive restrictions imposed by authority on one's way of life, behavior, or political views
19. tell a com_____ng story *adj.* arousing strong and irresistible interest, attention, or admiration
20. pro_____on of civilization *n.* the act or process of changing to the next stage or phase or moving forward
21. ele_____try element *n.* the branch of physical chemistry concerned with the relations between electrical and chemical phenomena
22. an ag_____te of people *n.* a collection or sum of different things often used to describe a total or combination of items
23. electromagnetic ra_____on *n.* the energy that comes from a nuclear reaction in the form of rays, waves, or particles and that can be hazardous to health
24. 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
25. se_____te cream from milk *v.* to force, take, or pull apart; mark as different
26. ob____s over her weight *v.* to fill the mind of someone continually so that one can't think of anything else
27. he is ob____sed with the fear *v.* to fill the mind of someone continually so that one can't think of anything else

ANSWERS: 18. liberty, 19. compelling, 20. progression, 21. electrochemistry, 22. aggregate, 23. radiation, 24. storage, 25. separate, 26. obsess, 27. obsess

28. imm_____ly recall a product *adv.* now or without delay
29. higher pixel de_____y *n.* the quality of compactness of a substance
30. infrared sp_____um *n.* an ordered array of colors into which a light beam can be split
31. means to co_____ve energy *v.* to protect something, especially the natural environment or culture, from change, damage, or destruction
32. global em_____ons of greenhouse gases *n.* the act of production or sending out gas, heat, light, etc.
33. br__e solution *n.* a strong solution of salt water used for preserving food, especially meat or fish; saline water found in salt mines or evaporated from seawater
34. w__t per square meter *n.* a standard unit for measuring electrical power
35. the th____l of speed *n.* a feeling of extreme and sudden excitement and pleasure; to cause someone to feel sudden intense sensation or emotion
36. give si____t consent *adj.* without any or little sound
37. French bi____o *n.* a small, informal restaurant or café, typically serving simple, home-style meals or light refreshments
38. st____e for excellence *v.* to try very hard to do, achieve, or obtain something
39. ha____ed the incident *v.* to deal with a situation, problem, or strong emotion

ANSWERS: 28. immediately, 29. density, 30. spectrum, 31. conserve, 32. emission, 33. brine, 34. watt, 35. thrill, 36. silent, 37. bistro, 38. strive, 39. handle

40. rec_____on of the homeland *n.* the activity that renews your health and spirits by enjoyment and relaxation; the act or process of making something that existed in the past exists or seems to exist again in a different time or place
41. extreme tem_____res *n.* the degree of hotness or coldness of a thing or place
42. ma_____um oxide *n.* a silvery-white metal with the symbol Mg and atomic number 12, which is the eighth-most abundant element in the Earth's crust and is used in the production of various alloys, as well as in biomedical research and as an important nutrient for plants and animals
43. co_____ed of the idea *adj.* completely certain about something; having a strong belief or conviction in a particular religion
44. gi_____ic monsters *adj.* extremely large
45. off_____ts topic *adj.* not allowed to be entered or used
46. an old_____ned person *adj.* of or relating to a time in the past; not modern
47. a flattering re___k *n.* a comment or observation, or something said or written about a particular subject or situation; (verb) to give a spoken statement on a particular subject or situation
48. ro___t growth *adj.* sturdy and healthy in form, constitution, or construction; strong enough to withstand or overcome intellectual challenges or adversity

ANSWERS: 40. recreation, 41. temperature, 42. magnesium, 43. convinced, 44. gigantic, 45. off-limits, 46. old-fashioned, 47. remark, 48. robust

49. co____ve coal resources *v.* to protect something, especially the natural environment or culture, from change, damage, or destruction
50. en_____te a new strategy *v.* to say, pronounce, or utter words clearly
51. re_____le her mother *v.* to look like or be similar to someone or something
52. the ma_____m speed *adj.* the largest or greatest amount or value attainable or attained
53. nickel met_____gy *n.* a branch of materials science and engineering that stands at metals' physical and chemical properties, their compounds with other metals, and their mixtures, called alloys.
54. com_____on number *n.* a collection of things that have been combined; an assemblage of separate parts or qualities
55. a large st__k of paper *n.* a pile of something arranged or laid one on top of another; a large tall chimney through which combustion gases and smoke can be evacuated
56. so____d clothes *adj.* completely wet; saturated or drenched with a liquid
57. new and com_____ng evidence *adj.* arousing strong and irresistible interest, attention, or admiration
58. make a str_____ard dash *adj.* easy to do or understand, or simple; free from ambiguity
59. the event ho_____n of a black hole *n.* the line at which the earth's surface and the sky appear to meet; the range of interest or activity that can be anticipated

ANSWERS: 49. conserve, 50. enunciate, 51. resemble, 52. maximum, 53. metallurgy, 54. combination, 55. stack, 56. soaked, 57. compelling, 58. straightforward, 59. horizon

60. a fountain of wi___m
n. the quality of being wise, or the ability to use your knowledge and experience to make sensible decisions
61. het_____xy theories
n. the holding of opinions or beliefs that are different from established or orthodox views, especially in religious or political contexts
62. pr__e number
adj. main or most important; basic; (prime number, noun) a natural number greater than 1 that cannot be formed by multiplying two smaller natural numbers (e.g., 2, 3, 5, 7, 11 and 13)
63. population de_____y
n. the quality of compactness of a substance
64. m__t the ice
v. to turn from something solid into something soft or liquid as a result of heating
65. cutting-edge inn_____on
n. the creation of a new device or process resulting from study and experimentation
66. do_____al research
adj. of or relating to doctorate (= the highest degree from a university) or the achievement of a doctorate
67. old_____ned in appearance
adj. of or relating to a time in the past; not modern
68. nu_____r fusion
adj. of or relating to or constituting the nucleus of an atom; deriving destructive energy from the release of atomic energy

ANSWERS: 60. wisdom, 61. heterodoxy, 62. prime, 63. density, 64. melt, 65. innovation, 66. doctoral, 67. old-fashioned, 68. nuclear

69. tea sa___r *n.* a small, shallow dish with a slightly raised edge or rim used for holding a cup or as a decorative object; a flying object that is often associated with UFO sightings
70. el_____e a close relationship *v.* to raise something from a lower to a higher position; to give a promotion to or assign to a higher position
71. pH value of seven *n.* a measure of the acidity or alkalinity of a substance, on a scale of 0 to 14, with seven being neutral, lower values indicating greater acidity, and higher values indicating greater alkalinity
72. in_____l a door *v.* to fix furniture, a machine, or a piece of equipment into position so that it can be used; put into an office or a position
73. vi_____e stars *adj.* capable of being seen; or open to easy view
74. the atmospheric tem_____re *n.* the degree of hotness or coldness of a thing or place
75. el_____e educational standards *v.* to raise something from a lower to a higher position; to give a promotion to or assign to a higher position
76. official sta_____cs *n.* the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data
77. mi_____e a service *v.* to move from one country or region to another and settle there; to move from one place to another periodically or seasonally

ANSWERS: 69. saucer, 70. elevate, 71. ph, 72. install, 73. visible, 74. temperature, 75. elevate, 76. statistics, 77. migrate

78. cozy bi___o *n.* a small, informal restaurant or café, typically serving simple, home-style meals or light refreshments
79. source of ins_____on *n.* something that motivates or encourages someone to create or achieve something, or a feeling of excitement or creativity
80. hazardous li___d *n.* a substance, such as water or oil that flows freely and is neither a solid nor a gas
81. a layer of al_____um foil *n.* a chemical element with the symbol Al that visually resembles silver, used especially for making cooking equipment and aircraft parts
82. the em_____on of light *n.* the act of production or sending out gas, heat, light, etc.
83. re_____le subscriptions *adj.* capable of being renewed, extended, or replaced
84. re__t against his way of thinking *v.* to take action in response to something
85. vi___n material *n.* a person who has never had sex; (adjective) being used or worked for the first time
86. honor gr_____te *n.* a person who has a first degree from university or college; (verb) to complete the first course of university or college and get a degree
87. yield cu__e *n.* a bend or angle in a line or surface that deviates from a straight or flat path; a gradual or smooth change in direction or shape

ANSWERS: 78. bistro, 79. inspiration, 80. liquid, 81. aluminum, 82. emission, 83. renewable, 84. react, 85. virgin, 86. graduate, 87. curve

88. learning cu__e *n.* a bend or angle in a line or surface that deviates from a straight or flat path; a gradual or smooth change in direction or shape
89. de___e my position *v.* to state or explain precisely the nature, scope, or meaning of something
90. the in_____on of new techniques *n.* the creation of a new device or process resulting from study and experimentation; the act of inventing
91. un_____on talents *adj.* not occurring or seen very often; rare
92. re__t at a high temperature *v.* to take action in response to something
93. construction of new c__l plants *n.* a combustible black or brownish-black sedimentary rock that is found below the ground and burnt to produce heat
94. en_____te each word *v.* to say, pronounce, or utter words clearly
95. va_____t types of pigeon *n.* something that is slightly different from others of the same type
96. an_____ny ore *n.* a chemical element with the symbol Sb and atomic number 51, often used in alloys, flame retardants, and medicines
97. i_n channel *n.* an atom or molecule that has a positive or negative electrical charge caused by its losing or gained one or more electrons
98. pre-mo___n agricultural society *adj.* of or belonging to the present time or recent times
99. ut_____y costs *n.* the state or quality of being useful or convenient; the service, such as electric power or water or transportation, provided by a public

ANSWERS: 88. curve, 89. define, 90. invention, 91. uncommon, 92. react, 93. coal, 94. enunciate, 95. variant, 96. antimony, 97. ion, 98. modern, 99. utility

100. ba____y charging *n.* a device that is placed inside a car, gadget, equipment, etc. and that provides electrical power to them
101. br__e shrimp *n.* a strong solution of salt water used for preserving food, especially meat or fish; saline water found in salt mines or evaporated from seawater
102. asset on the company's ba____e sheet *n.* a condition in which everything has the same weight or force; something left after other parts have been taken away
103. school req_____nt *n.* something that is needed or wanted
104. co_____ed criminal *adj.* completely certain about something; having a strong belief or conviction in a particular religion
105. un_____on occurrence *adj.* not occurring or seen very often; rare
106. a broad sp_____um of opinion *n.* an ordered array of colors into which a light beam can be split
107. thousands of po__ds *n.* the standard unit of money in the UK; the standard unit of weight equal to 16 ounces
108. ch__k on a blackboard *n.* a soft, white, porous sedimentary rock composed of calcium carbonate, often used for drawing or writing on surfaces such as blackboards
109. th_____l energy *adj.* relating to heat or temperature; designed for or capable of producing or maintaining heat
110. int_____ent fever *adj.* occurring at irregular intervals; not continuous or steady; stopping and starting periodically; sporadic

ANSWERS: 100. battery, 101. brine, 102. balance, 103. requirement, 104. convinced, 105. uncommon, 106. spectrum, 107. pound, 108. chalk, 109. thermal, 110. intermittent

111. he_____n back to tradition *v.* to listen attentively or carefully; to give heed or pay attention to something
112. professor of ch_____ry *n.* the branch of the natural sciences dealing with the composition of substances and their properties and reactions
113. ele_____ate jewelry *v.* to coat or cover an object with a layer of metal, typically by using an electric current; to apply a thin metallic layer onto a surface for decorative or protective purposes
114. re____l his name *v.* to remember something
115. re_____le each other *v.* to look like or be similar to someone or something
116. 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
117. a scientific di_____ry *n.* the act or process of finding information, a place, or an object, or learning about something that was previously not known
118. str_____ard manner *adj.* easy to do or understand, or simple; free from ambiguity
119. dynamically sc_____le *adj.* capable of being easily expanded or increased in size, number, or scale to meet changing demands
120. a lo__e tongue *adj.* not securely fixed or fastened in place or able to be detached or separated from something

ANSWERS: 111. hearken, 112. chemistry, 113. electroplate, 114. recall, 115. resemble, 116. adopt, 117. discovery, 118. straightforward, 119. scalable, 120. loose

121. the ba_____e of power *n.* a condition in which everything has the same weight or force; something left after other parts have been taken away
122. business ho_____n *n.* the line at which the earth's surface and the sky appear to meet; the range of interest or activity that can be anticipated
123. a con_____nal style *adj.* based on or following traditional rules, standards, customs, etc.
124. age com_____on of the population *n.* the different parts of something's elements or ingredients; the way in which the different components are organized; a piece of music written by someone
125. replenish his ele_____tes *n.* a substance that conducts electricity when dissolved in water or another solvent and that is essential for many physiological processes in the body
126. the per_____ve of the battle *n.* a confident attitude toward something; a particular style of thinking about something
127. gr_____te degree program *n.* a person who has a first degree from university or college; (verb) to complete the first course of university or college and get a degree
128. incredible th____l *n.* a feeling of extreme and sudden excitement and pleasure; to cause someone to feel sudden intense sensation or emotion
129. a dry ba_____y *n.* a device that is placed inside a car, gadget, equipment, etc. and that provides electrical power to them

ANSWERS: 121. balance, 122. horizon, 123. conventional, 124. composition, 125. electrolyte, 126. perspective, 127. graduate, 128. thrill, 129. battery

130. a particle di____er *n.* the length of a straight line passing through the center of a circle and connecting two points on the circumference
131. a va____t of the same word *n.* something that is slightly different from others of the same type
132. use of nu____r power *adj.* of or relating to or constituting the nucleus of an atom; deriving destructive energy from the release of atomic energy
133. degree in ele____al engineering *adj.* relating to electricity
134. the pe____ic blooming of the cherry-blossom *adj.* happening at regular intervals over a while
135. regard it as het____xy *n.* the holding of opinions or beliefs that are different from established or orthodox views, especially in religious or political contexts
136. dem____te a difference *v.* to display something or give an exhibition to an interested audience
137. mo____n lava *adj.* in a liquid state as a result of being heated
138. li____me benefits *n.* the duration of someone's life or something's existence;
139. 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
140. ele____try device *n.* the branch of physical chemistry concerned with the relations between electrical and chemical phenomena

ANSWERS: 130. diameter, 131. variant, 132. nuclear, 133. electrical, 134. periodic, 135. heterodoxy, 136. demonstrate, 137. molten, 138. lifetime, 139. adopt, 140. electrochemistry

141. flying sa____r *n.* a small, shallow dish with a slightly raised edge or rim used for holding a cup or as a decorative object; a flying object that is often associated with UFO sightings
142. pr____us information *adj.* uncommon and extremely valuable
143. a per____ve view *n.* a confident attitude toward something; a particular style of thinking about something
144. 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
145. beam of el____ons *n.* a tiny particle with the negative electrical charge
146. inn____on leader *n.* the creation of a new device or process resulting from study and experimentation
147. pl____nt test *n.* the act or process of putting something in a particular position or location; a temporary position or job in an organization
148. un____r a potential problem *v.* to remove the cover from something; to discover something previously unseen or hidden

ANSWERS: 141. saucer, 142. precious, 143. perspective, 144. process, 145. electron, 146. innovation, 147. placement, 148. uncover

149. industrial se___r *n.* a distinct part or division of something often used to refer to a segment of an economy or industry; an area or field of work or activity
150. fundamental ax___m *n.* a statement or principle that is regarded as being self-evidently true and does not require proof or justification; a fundamental truth upon which other truths or theories are based
151. atomic b___bs *n.* a weapon that explodes and is used to kill or injure people or to cause damage to something
152. strict time con_____nts *n.* a limit or restriction on something, such as an action, behavior, or thought
153. m___t down gold *v.* to turn from something solid into something soft or liquid as a result of heating
154. deputy pr___e minister *adj.* main or most important; basic; (prime number, noun) a natural number greater than 1 that cannot be formed by multiplying two smaller natural numbers (e.g., 2, 3, 5, 7, 11 and 13)
155. in_____l a chairperson *v.* to fix furniture, a machine, or a piece of equipment into position so that it can be used; put into an office or a position
156. off_____ts to development *adj.* not allowed to be entered or used
157. de___t a feeling of isolation *v.* to illustrate someone or something in a photograph
158. do_____al program *adj.* of or relating to doctorate (= the highest degree from a university) or the achievement of a doctorate

ANSWERS: 149. sector, 150. axiom, 151. bomb, 152. constraint, 153. melt, 154. prime, 155. install, 156. off-limits, 157. depict, 158. doctoral

159. de___t a scene *v.* to illustrate someone or something in a photograph
160. a co_____nt temperature *adj.* happening repeatedly or all the time
161. ca_____rd box *n.* a stiff, thick material made from compressed paper pulp used to make boxes and other packaging materials
162. criminal pr_____ds *n.* the money or profit earned from a particular activity or venture; the total amount collected from a sale or fundraiser
163. de___e a word *v.* to state or explain precisely the nature, scope, or meaning of something
164. p__k handling *n.* a small, hard rubber disc used in ice hockey and other related games; a mischievous or playful sprite or demon in folklore and mythology
165. str_____al reorganization *adj.* associated with the way on construction or organization of anything
166. mu___l efforts *adj.* common to or shared by two or more parties
167. marginal ut_____y *n.* the state or quality of being useful or convenient; the service, such as electric power or water or transportation, provided by a public
168. re_____ly operate *adv.* at a distance; not directly or easily accessible
169. the national con_____ion *n.* the set of fundamental principles or established precedents that a state, a country, or an organization is governed by; the act of forming or establishing something

ANSWERS: 159. depict, 160. constant, 161. cardboard, 162. proceeds, 163. define, 164. puck, 165. structural, 166. mutual, 167. utility, 168. remotely, 169. constitution

170. a te_____ue in martial arts *n.* a particular way or art of doing something that needs skill
171. meet with opp_____on *n.* the act of disagreeing or resisting; the state of strong disagreement
172. adm_____ly controversial *adv.* used to acknowledge a fact or statement, often one that weakens or contradicts an argument or opinion; concededly
173. a co_____nt wind *adj.* happening repeatedly or all the time
174. share of a mu____l fund *adj.* common to or shared by two or more parties
175. wav_____th of light *n.* the distance between two points in the same phase in consecutive cycles of a wave
176. colorless li____d *n.* a substance, such as water or oil that flows freely and is neither a solid nor a gas
177. co_____e electricity *v.* to spend something, especially fuel, energy, or time, in a large amount
178. bit of good fo_____e *n.* a large amount of money or property; chance or luck as an unknown and arbitrary force affecting human affairs
179. he_____n with delight *v.* to listen attentively or carefully; to give heed or pay attention to something
180. v__t desert *adj.* enormous in size, number, amount, or quantity
181. tracking de____e *n.* a piece of equipment, tool, or technology that serves a particular purpose or function, often mechanical or electronic

ANSWERS: 170. technique, 171. opposition, 172. admittedly, 173. constant, 174. mutual, 175. wavelength, 176. liquid, 177. consume, 178. fortune, 179. hearken, 180. vast, 181. device

182. co___r honor *v.* to have a meeting or discussion to come to a decision or agreement or exchange ideas; to bestow something
183. ill fo_____e *n.* a large amount of money or property; chance or luck as an unknown and arbitrary force affecting human affairs
184. vi_____e by X-ray *adj.* capable of being seen; or open to easy view
185. a g__d design *n.* a pattern of regularly spaced horizontal and vertical lines; a system of high tension cables by which electrical power is distributed throughout a region
186. so__d ally *adj.* hard or firm; characterized by good substantial quality
187. an_____ny compound *n.* a chemical element with the symbol Sb and atomic number 51, often used in alloys, flame retardants, and medicines
188. sc_____le solution *adj.* capable of being easily expanded or increased in size, number, or scale to meet changing demands
189. al__y wheels *n.* a metal made by combining two or more metallic elements, especially to give greater strength or resistance to corrosion
190. price of pr_____us metals *adj.* uncommon and extremely valuable
191. major pa_____gm shift *n.* a standard or typical example of something; a pattern or model
192. anthropology lab_____ry *n.* a workplace for doing scientific research or teaching science; a lab

ANSWERS: 182. confer, 183. fortune, 184. visible, 185. grid, 186. solid, 187. antimony, 188. scalable, 189. alloy, 190. precious, 191. paradigm, 192. laboratory

193. welding met_____gy *n.* a branch of materials science and engineering that stands at metals' physical and chemical properties, their compounds with other metals, and their mixtures, called alloys.
194. inefficient fossil fuel su_____y *n.* money paid by a government or an organization as part of the cost of something to aid or encourage it to happen
195. effect of cosmic r_ys *n.* a narrow line of light, heat, or another form of energy
196. opp_____on campaign *n.* the act of disagreeing or resisting; the state of strong disagreement
197. bl_____nt for economic reform *n.* a photographic print of an early plan for a building or machine
198. wild goose ch__e *v.* to pursue something or someone to catch or capture them; to go after something vigorously or with determination; (noun) a pursuit or a hunt; a narrow groove or channel cut into a surface, often used for decorative purposes
199. und_____ate course *n.* a student who is studying for their first degree at a university or other higher education institution
200. 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: 193. metallurgy, 194. subsidy, 195. ray, 196. opposition, 197. blueprint, 198. chase, 199. undergraduate, 200. economy

201. fashion me___r *n.* a person who helps and advises a younger or less experienced person over time, usually at work or school
202. pe____ic payments *adj.* happening at regular intervals over a while
203. ab____n the practice *v.* to leave a place, thing, or person with no intention of returning; (noun) a feeling of extreme emotional intensity
204. ele_____tic properties *adj.* of or relating to the magnetism produced by electric charge in motion
205. ex___d agricultural output *v.* to increase or to make something greater in size, number, or importance
206. un____r the truth *v.* to remove the cover from something; to discover something previously unseen or hidden
207. at your own p___e *n.* the speed at which someone or something moves, or the rate at which something happens or changes
208. gov_____nt bureaucracy *n.* the group of people with authority to control a country or state
209. electronic de___e *n.* a piece of equipment, tool, or technology that serves a particular purpose or function, often mechanical or electronic
210. 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
211. platinum el_____des *n.* either of two points or ends of a conductor at which electricity enters or leaves an object, substance, or region

ANSWERS: 201. mentor, 202. periodic, 203. abandon, 204. electromagnetic, 205. expand, 206. uncover, 207. pace, 208. government, 209. device, 210. contribute, 211. electrode

212. ga__a particles *n.* the third letter of the Greek alphabet; a type of radiation having the shortest wavelength and highest energy of electromagnetic waves
213. ele_____tic radiation *adj.* of or relating to the magnetism produced by electric charge in motion
214. 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
215. a r_w of cherry trees *n.* an arrangement of objects or people side by side in a line; (verb) to propel a boat through the water using oars
216. str_____al analyses *adj.* associated with the way on construction or organization of anything
217. li_____y as a right *n.* the state of being free within society from oppressive restrictions imposed by authority on one's way of life, behavior, or political views
218. cultural pa_____gm *n.* a standard or typical example of something; a pattern or model
219. int_____ent Wi-Fi *adj.* occurring at irregular intervals; not continuous or steady; stopping and starting periodically; sporadic
220. con_____te to society *v.* to give something, especially money or goods, to provide or achieve something together with other people

ANSWERS: 212. gamma, 213. electromagnetic, 214. economy, 215. row, 216. structural, 217. liberty, 218. paradigm, 219. intermittent, 220. contribute

221. v__t majority *adj.* enormous in size, number, amount, or quantity
222. mo___n poetry *adj.* of or belonging to the present time or recent times
223. an ele_____al storm *adj.* relating to electricity
224. pr_____nt emeritus *n.* the leader of a republic, for example, the US; the person in charge of the organization such as a company, university, club, etc.
225. data ag_____te *n.* a collection or sum of different things often used to describe a total or combination of items
226. self-evident ax__m *n.* a statement or principle that is regarded as being self-evidently true and does not require proof or justification; a fundamental truth upon which other truths or theories are based
227. the te_____ue applied to construction *n.* a particular way or art of doing something that needs skill
228. an al_____um alloy *n.* a chemical element with the symbol Al that visually resembles silver, used especially for making cooking equipment and aircraft parts
229. wi___m literature *n.* the quality of being wise, or the ability to use your knowledge and experience to make sensible decisions
230. an in_____l letter *adj.* of or happening at the beginning; (noun) the first letter of a word, especially a person's name

ANSWERS: 221. vast, 222. modern, 223. electrical, 224. president, 225. aggregate, 226. axiom, 227. technique, 228. aluminum, 229. wisdom, 230. initial

231. st___e hard to get *v.* to try very hard to do, achieve, or obtain something
232. se_____te video into chapter *v.* to force, take, or pull apart; mark as different
233. d__t track *n.* soil, dust, or any substance that makes a surface not clean; the part of the earth's surface consisting of humus and disintegrated rock
234. the runner's p___e *n.* the speed at which someone or something moves, or the rate at which something happens or changes
235. pre_____le solution *adj.* more desirable or suitable than another option; more favored or favored over something else; better or more advantageous
236. a su___e of shoppers *n.* a sudden and great increase of something, such as a feeling, the amount or number, etc.
237. rem_____le achievement *adj.* worthy of attention because unusual or special
238. di_____ve the sugar *v.* to be or cause to be absorbed by a liquid to form a part of the solution; to close down or dismiss
239. a mo___n image *adj.* in a liquid state as a result of being heated
240. fire dr___l *n.* a tool or machine used for making round holes or driving fasteners; a training or practice
241. ele_____ate a metal surface *v.* to coat or cover an object with a layer of metal, typically by using an electric current; to apply a thin metallic layer onto a surface for decorative or protective purposes

ANSWERS: 231. strive, 232. separate, 233. dirt, 234. pace, 235. preferable, 236. surge, 237. remarkable, 238. dissolve, 239. molten, 240. drill, 241. electroplate

242. genic com_____ons *n.* a collection of things that have been combined; an assemblage of separate parts or qualities
243. 30-w__t light bulb *n.* a standard unit for measuring electrical power
244. enter vi____n territory *n.* a person who has never had sex; (adjective) being used or worked for the first time
245. re_____e the order *v.* to change something's direction, order, position, decision, etc., to the opposite one; (adjective) directed or moving toward the rear
246. co_____e a large of alcohol *v.* to spend something, especially fuel, energy, or time, in a large amount
247. el_____de corrosion *n.* either of two points or ends of a conductor at which electricity enters or leaves an object, substance, or region
248. ma_____um alloy *n.* a silvery-white metal with the symbol Mg and atomic number 12, which is the eighth-most abundant element in the Earth's crust and is used in the production of various alloys, as well as in biomedical research and as an important nutrient for plants and animals
249. so__d employment measures *adj.* hard or firm; characterized by good substantial quality
250. mi_____e person *n.* an act or occurrence that is not explicable by natural or scientific laws and is therefore believed to be caused by God

ANSWERS: 242. combination, 243. watt, 244. virgin, 245. reverse, 246. consume, 247. electrode, 248. magnesium, 249. solid, 250. miracle

251. meet req_____nt *n.* something that is needed or wanted
252. so___d sponge *adj.* completely wet; saturated or drenched with a liquid
253. rechargeable lithium-i_n battery *n.* an atom or molecule that has a positive or negative electrical charge caused by its losing or gained one or more electrons
254. si___t reading *adj.* without any or little sound
255. engineering und_____ate *n.* a student who is studying for their first degree at a university or other higher education institution
256. common in_____on *n.* the creation of a new device or process resulting from study and experimentation; the act of inventing
257. hockey p__k *n.* a small, hard rubber disc used in ice hockey and other related games; a mischievous or playful sprite or demon in folklore and mythology
258. in_____l velocity *adj.* of or happening at the beginning; (noun) the first letter of a word, especially a person's name
259. lab_____ry accident *n.* a workplace for doing scientific research or teaching science; a lab
260. di_____er of an oval *n.* the length of a straight line passing through the center of a circle and connecting two points on the circumference
261. re___l the incident *v.* to remember something

ANSWERS: 251. requirement, 252. soaked, 253. ion, 254. silent, 255. undergraduate, 256. invention, 257. puck, 258. initial, 259. laboratory, 260. diameter, 261. recall

262. li_____me ban from the sport *n.* the duration of someone's life or something's existence;
263. 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
264. ca_____e a glimpse *v.* to catch a person or an animal and confine them in an area which they cannot escape
265. ev_____on theory *n.* a gradual process of transformation of living things
266. ov_____ok a street *v.* to fail to notice something; to watch over someone; to provide a view from above
267. con_____nt on business activity *n.* a limit or restriction on something, such as an action, behavior, or thought
268. co____r degree *v.* to have a meeting or discussion to come to a decision or agreement or exchange ideas; to bestow something
269. acc_____te the car *v.* to make something faster or earlier; to cause to develop or progress more quickly
270. long-wav_____th laser *n.* the distance between two points in the same phase in consecutive cycles of a wave

ANSWERS: 262. lifetime, 263. process, 264. capture, 265. evolution, 266. overlook, 267. constraint, 268. confer, 269. accelerate, 270. wavelength

271. pre_____le option *adj.* more desirable or suitable than another option; more favored or favored over something else; better or more advantageous
272. brass al__y *n.* a metal made by combining two or more metallic elements, especially to give greater strength or resistance to corrosion
273. outdoor rec_____on *n.* the activity that renews your health and spirits by enjoyment and relaxation; the act or process of making something that existed in the past exists or seems to exist again in a different time or place
274. ov_____ok that fact *v.* to fail to notice something; to watch over someone; to provide a view from above
275. a piece of ch__k *n.* a soft, white, porous sedimentary rock composed of calcium carbonate, often used for drawing or writing on surfaces such as blackboards
276. gi__t tech company *adj.* enormous; much bigger or more important than similar items usually are
277. re___k dripping with bitterness *n.* a comment or observation, or something said or written about a particular subject or situation; (verb) to give a spoken statement on a particular subject or situation
278. de_____p a strategy *v.* to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created

ANSWERS: 271. preferable, 272. alloy, 273. recreation, 274. overlook, 275. chalk, 276. giant, 277. remark, 278. develop

279. 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
280. dem_____te mastery *v.* to display something or give an exhibition to an interested audience
281. z__c deficiency *n.* a metallic element that is found in small amounts in the earth's crust and is used in the manufacture of brass and alloys, and is required to maintain human's health
282. the strong ele_____te *n.* a substance that conducts electricity when dissolved in water or another solvent and that is essential for many physiological processes in the body
283. gi_____ic proportions *adj.* extremely large
284. control re_____ly *adv.* at a distance; not directly or easily accessible
285. an ab_____nt supply of water *adj.* present in great quantity
286. ca_____e customers' hearts *v.* to catch a person or an animal and confine them in an area which they cannot escape
287. remove lo__e hair *adj.* not securely fixed or fastened in place or able to be detached or separated from something
288. vice-pr_____nt for finance *n.* the leader of a republic, for example, the US; the person in charge of the organization such as a company, university, club, etc.

ANSWERS: 279. electrify, 280. demonstrate, 281. zinc, 282. electrolyte, 283. gigantic, 284. remotely, 285. abundant, 286. capture, 287. loose, 288. president

289. architect's bl_____nt *n.* a photographic print of an early plan for a building or machine
290. ha___e a precious object *v.* to deal with a situation, problem, or strong emotion
291. write him an answer imm_____ly *adv.* now or without delay
292. officially di_____ved the marriage *v.* to be or cause to be absorbed by a liquid to form a part of the solution; to close down or dismiss
293. d__t road *n.* soil, dust, or any substance that makes a surface not clean; the part of the earth's surface consisting of humus and disintegrated rock
294. re_____e the trend *v.* to change something's direction, order, position, decision, etc., to the opposite one; (adjective) directed or moving toward the rear
295. a c___l-fired ship *n.* a combustible black or brownish-black sedimentary rock that is found below the ground and burnt to produce heat
296. pro_____on of disease *n.* the act or process of changing to the next stage or phase or moving forward
297. at_____t attention *v.* to draw or entice someone or something towards them through the qualities they have, especially positive ones
298. man_____re a product *v.* to make goods in large numbers, usually in a factory using machines
299. th_____l insulation *adj.* relating to heat or temperature; designed for or capable of producing or maintaining heat

ANSWERS: 289. blueprint, 290. handle, 291. immediately, 292. dissolve, 293. dirt, 294. reverse, 295. coal, 296. progression, 297. attract, 298. manufacture, 299. thermal

300. ma_____m limit *adj.* the largest or greatest amount or value attainable or attained
301. human ev_____on *n.* a gradual process of transformation of living things
302. gi__t trees *adj.* enormous; much bigger or more important than similar items usually are
303. get ins_____on from nature *n.* something that motivates or encourages someone to create or achieve something, or a feeling of excitement or creativity
304. cultural pl_____ty *n.* the state of being plural or multiple; a majority of votes or shares held by one group in a multi-candidate or multi-party system
305. three-fourths of a po__d *n.* the standard unit of money in the UK; the standard unit of weight equal to 16 ounces
306. the su__e in foreign tourism *n.* a sudden and great increase of something, such as a feeling, the amount or number, etc.
307. the rem_____le breadth of knowledge *adj.* worthy of attention because unusual or special
308. re_____le energy *adj.* capable of being renewed, extended, or replaced
309. an age of ab_____ce *n.* a significant amount of something; the situation in which there is too much of something
310. h__e a guide *v.* to give somebody a job

ANSWERS: 300. maximum, 301. evolution, 302. giant, 303. inspiration, 304. plurality, 305. pound, 306. surge, 307. remarkable, 308. renewable, 309. abundance, 310. hire

311. get a con_____nal loan *adj.* based on or following traditional rules, standards, customs, etc.
312. an ab_____ce of examples *n.* a significant amount of something; the situation in which there is too much of something
313. exposure to ra_____on *n.* the energy that comes from a nuclear reaction in the form of rays, waves, or particles and that can be hazardous to health
314. audio mo____e *n.* a self-contained unit or component of a larger system or structure; a standardized unit of computer hardware or software designed to perform a specific function
315. pl_____nt agency *n.* the act or process of putting something in a particular position or location; a temporary position or job in an organization
316. the piano passages in the
com_____on *n.* the different parts of something's elements or ingredients; the way in which the different components are organized; a piece of music written by someone
317. high st__k *n.* a pile of something arranged or laid one on top of another; a large tall chimney through which combustion gases and smoke can be evacuated
318. 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

ANSWERS: 311. conventional, 312. abundance, 313. radiation, 314. module, 315. placement, 316. composition, 317. stack, 318. electrify

319. at_____t customers *v.* to draw or entice someone or something towards them through the qualities they have, especially positive ones
320. ab_____n a friend *v.* to leave a place, thing, or person with no intention of returning; (noun) a feeling of extreme emotional intensity
321. good source of z__c *n.* a metallic element that is found in small amounts in the earth's crust and is used in the manufacture of brass and alloys, and is required to maintain human's health
322. disarm the b__b *n.* a weapon that explodes and is used to kill or injure people or to cause damage to something
323. the ch_____ry of soil *n.* the branch of the natural sciences dealing with the composition of substances and their properties and reactions
324. acc_____te a chemical reaction *v.* to make something faster or earlier; to cause to develop or progress more quickly
325. the dr__l hit the well *n.* a tool or machine used for making round holes or driving fasteners; a training or practice
326. h__e a car by the hour *v.* to give somebody a job
327. ph scale *n.* a measure of the acidity or alkalinity of a substance, on a scale of 0 to 14, with seven being neutral, lower values indicating greater acidity, and higher values indicating greater alkalinity

ANSWERS: 319. attract, 320. abandon, 321. zinc, 322. bomb, 323. chemistry, 324. accelerate, 325. drill, 326. hire, 327. ph

328. flow of el_____ons *n.* a tiny particle with the negative electrical charge
329. political pl_____ty *n.* the state of being plural or multiple; a majority of votes or shares held by one group in a multi-candidate or multi-party system
330. opaque to X-r_ys *n.* a narrow line of light, heat, or another form of energy
331. a wire g__d *n.* a pattern of regularly spaced horizontal and vertical lines; a system of high tension cables by which electrical power is distributed throughout a region
332. private se____r *n.* a distinct part or division of something often used to refer to a segment of an economy or industry; an area or field of work or activity
333. ch__e a dream *v.* to pursue something or someone to catch or capture them; to go after something vigorously or with determination; (noun) a pursuit or a hunt; a narrow groove or channel cut into a surface, often used for decorative purposes
334. sta_____cs for cancer *n.* the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data
335. pr_____ds of a sale *n.* the money or profit earned from a particular activity or venture; the total amount collected from a sale or fundraiser

ANSWERS: 328. electron, 329. plurality, 330. ray, 331. grid, 332. sector, 333. chase, 334. statistics, 335. proceeds

ANSWERS:

Session 3: Fill in the Blanks

1. _____ dropping wears away the stone.
adj. happening repeatedly or all the time
2. Jockey's superior _____ brought him victory.
n. a particular way or art of doing something that needs skill
3. He continued his investigation and soon _____ another crime.
v. to remove the cover from something; to discover something previously unseen or hidden
4. We cannot afford to squander _____ time.
adj. uncommon and extremely valuable
5. The federal _____ is planning to increase taxes for the next fiscal year.
n. the group of people with authority to control a country or state
6. 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
7. The government tried to _____ the commercialization of this development.
v. to make something faster or earlier; to cause to develop or progress more quickly
8. Basketball is their usual _____ after school.
n. the activity that renews your health and spirits by enjoyment and relaxation; the act or process of making something that existed in the past exists or seems to exist again in a different time or place

ANSWERS: 1. Constant, 2. technique, 3. uncovered, 4. precious, 5. government, 6. adopted, 7. accelerate, 8. recreation

9. He was the leader of the demonstrators and spoke out against the war in the front ____.
- n.* an arrangement of objects or people side by side in a line; (verb) to propel a boat through the water using oars
10. After a thorough investigation, she has been named as the _____ suspect.
- adj.* main or most important; basic; (prime number, noun) a natural number greater than 1 that cannot be formed by multiplying two smaller natural numbers (e.g., 2, 3, 5, 7, 11 and 13)
11. Many countries have now agreed to a treaty banning the use of _____ weapons.
- adj.* of or relating to or constituting the nucleus of an atom; deriving destructive energy from the release of atomic energy
12. Animal protection groups call for an end to animal testing in a _____.
- n.* a workplace for doing scientific research or teaching science; a lab
13. The use of cluster _____ is strictly prohibited by international law.
- n.* a weapon that explodes and is used to kill or injure people or to cause damage to something
14. To advance this discussion, we must _____ "success" rigorously.
- v.* to state or explain precisely the nature, scope, or meaning of something
15. The government is eager to _____ international investment.
- v.* to draw or entice someone or something towards them through the qualities they have, especially positive ones
16. She is pursuing a _____ degree in psychology to become a licensed therapist.
- adj.* of or relating to doctorate (= the highest degree from a university) or the achievement of a doctorate

ANSWERS: 9. row, 10. prime, 11. nuclear, 12. laboratory, 13. bombs, 14. define, 15. attract, 16. doctoral

17. The company can _____ access its employees' computers for troubleshooting purposes.

adv. at a distance; not directly or easily accessible

18. The class was composed of both _____ and graduate students.

n. a student who is studying for their first degree at a university or other higher education institution

19. There are five distinct _____ at five unique wavelengths.

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

20. The company's new software is highly _____ allowing it to handle increasing number of users.

adj. capable of being easily expanded or increased in size, number, or scale to meet changing demands

21. His _____ presentation deeply moved everyone.

adj. arousing strong and irresistible interest, attention, or admiration

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

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

23. The experiment yielded _____ results that support his theory.

adj. sturdy and healthy in form, constitution, or construction; strong enough to withstand or overcome intellectual challenges or adversity

24. How did he _____ to your idea?

v. to take action in response to something

ANSWERS: 17. remotely, 18. undergraduate, 19. emissions, 20. scalable, 21. compelling, 22. coal, 23. robust, 24. react

25. How can you _____ that the earth is a sphere?

v. to display something or give an exhibition to an interested audience

26. Astronomers are examining whether the _____ signals emanating from this star are artificial.

adj. happening at regular intervals over a while

27. Eating food in a hurry _____ blood glucose levels.

v. to raise something from a lower to a higher position; to give a promotion to or assign to a higher position

28. The garden was filled with _____ and needed to be tilled before planting.

n. soil, dust, or any substance that makes a surface not clean; the part of the earth's surface consisting of humus and disintegrated rock

29. The increased concentrat____ of hydrogen ions in an aqueous solution makes it more acidic.

n. an atom or molecule that has a positive or negative electrical charge caused by its losing or gained one or more electrons

30. 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

31. She is very _____ in her thoughts.

adj. based on or following traditional rules, standards, customs, etc.

32. _____ rays are a type of high-energy radiation that can be harmful to living organisms.

n. the third letter of the Greek alphabet; a type of radiation having the shortest wavelength and highest energy of electromagnetic waves

ANSWERS: 25. demonstrate, 26. periodic, 27. elevates, 28. dirt, 29. ion, 30. develop, 31. conventional, 32. Gamma

33. We cannot _____ an opportunity for great success.

- v.* to fail to notice something; to watch over someone; to provide a view from above

34. Do you know the _____ of the population in Hong Kong?

- n.* the quality of compactness of a substance

35. They hope to _____ their business worldwide.

- v.* to increase or to make something greater in size, number, or importance

36. _____ pattern roads often appear in urban areas.

- n.* a pattern of regularly spaced horizontal and vertical lines; a system of high tension cables by which electrical power is distributed throughout a region

37. This device displayed the speech _____ spectrographically.

- n.* an ordered array of colors into which a light beam can be split

38. They took the _____ step toward reconciliation.

- adj.* of or happening at the beginning; (noun) the first letter of a word, especially a person's name

39. The community greatly respected and sought after the older adult's _____.

- n.* the quality of being wise, or the ability to use your knowledge and experience to make sensible decisions

40. 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

ANSWERS: 33. overlook, 34. density, 35. expand, 36. Grid, 37. spectrum, 38. initial, 39. wisdom, 40. economy

41. The politician remained _____ despite intense media scrutiny.

adj. without any or little sound

42. The restaurant _____ a ban on smoking.

v. to change something's direction, order, position, decision, etc., to the opposite one; (adjective) directed or moving toward the rear

43. The _____ from the charity auction will go towards building a school in a developing country.

n. the money or profit earned from a particular activity or venture; the total amount collected from a sale or fundraiser

44. The _____ of the advertisement on the billboard was strategic in attracting a large audience.

n. the act or process of putting something in a particular position or location; a temporary position or job in an organization

45. The _____ imaging camera was used to detect heat signatures in the dark.

adj. relating to heat or temperature; designed for or capable of producing or maintaining heat

46. She vividly _____ getting laid off several years ago.

v. to remember something

47. When the _____ is amended, it often creates a great deal of controversy throughout the country

n. the set of fundamental principles or established precedents that a state, a country, or an organization is governed by; the act of forming or establishing something

ANSWERS: 41. silent, 42. reversed, 43. proceeds, 44. placement, 45. thermal, 46. recalls, 47. constitution

48. The laboratory used _____ chloride in the production of certain chemicals.
n. a chemical element with the symbol Sb and atomic number 51, often used in alloys, flame retardants, and medicines
49. The _____ jets gradually dominate the world's airlines.
adj. enormous; much bigger or more important than similar items usually are
50. The sponge takes up the _____ well.
n. a substance, such as water or oil that flows freely and is neither a solid nor a gas
51. The founding fathers fought for the _____ of the American people.
n. the state of being free within society from oppressive restrictions imposed by authority on one's way of life, behavior, or political views
52. The technology _____ is constantly evolving and innovating.
n. a distinct part or division of something often used to refer to a segment of an economy or industry; an area or field of work or activity
53. The car's front bumper cost fifteen hundred _____.
n. the standard unit of money in the UK; the standard unit of weight equal to 16 ounces
54. The doctrine of the country was _____ by its first king.
v. to say, pronounce, or utter words clearly
55. A business plan is a _____ for your success.
n. a photographic print of an early plan for a building or machine

ANSWERS: 48. antimony, 49. giant, 50. liquid, 51. liberty, 52. sector, 53. pounds, 54. enunciated, 55. blueprint

56. The restricted area was _____ to visitors.

adj. not allowed to be entered or used

57. Several military _____ programs have become popular methods of exercise.

n. a tool or machine used for making round holes or driving fasteners; a training or practice

58. White color is made up of many different _____ of light.

n. the distance between two points in the same phase in consecutive cycles of a wave

59. My father is _____ in his thinking.

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

60. The _____ rain made it difficult to plan a picnic.

adj. occurring at irregular intervals; not continuous or steady; stopping and starting periodically; sporadic

61. The economy is growing at a supercharged _____.

n. the speed at which someone or something moves, or the rate at which something happens or changes

62. The election was a _____ success for the Whigs.

adj. worthy of attention because unusual or special

63. The production of _____ fuels requires massive volumes of fresh water.

adj. capable of being renewed, extended, or replaced

64. 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

ANSWERS: 56. off-limits, 57. drill, 58. wavelengths, 59. old-fashioned, 60. intermittent, 61. pace, 62. remarkable, 63. renewable, 64. confer

65. The government provided a considerable _____ to the company.
n. money paid by a government or an organization as part of the cost of something to aid or encourage it to happen
66. A smaller car will _____ less fuel.
v. to spend something, especially fuel, energy, or time, in a large amount
67. The earthquake caused a _____ of lumber to crumble noisily.
n. a pile of something arranged or laid one on top of another; a large tall chimney through which combustion gases and smoke can be evacuated
68. The kids used colored _____ to create a mural on the pavement.
n. a soft, white, porous sedimentary rock composed of calcium carbonate, often used for drawing or writing on surfaces such as blackboards
69. My home is easily _____ from the shore.
adj. capable of being seen; or open to easy view
70. Her resistance _____ under his persuasion.
v. to turn from something solid into something soft or liquid as a result of heating
71. As a _____ he helped me realize my career.
n. a person who helps and advises a younger or less experienced person over time, usually at work or school
72. We all should learn how to _____ stress.
v. to deal with a situation, problem, or strong emotion
73. They cooperated for their _____ benefit.
adj. common to or shared by two or more parties

ANSWERS: 65. subsidy, 66. consume, 67. stack, 68. chalk, 69. visible, 70. melted, 71. mentor, 72. handle, 73. mutual

74. The recipe called for a teaspoon of _____ to add flavor.
- n.* a strong solution of salt water used for preserving food, especially meat or fish; saline water found in salt mines or evaporated from seawater
75. He is familiar with _____ and biology.
- n.* the branch of the natural sciences dealing with the composition of substances and their properties and reactions
76. A suspension order from the court is effective _____.
- adv.* now or without delay
77. Cities around the world set records for highest _____ this summer.
- n.* the degree of hotness or coldness of a thing or place
78. Draw a circle five centimeters in _____.
- n.* the length of a straight line passing through the center of a circle and connecting two points on the circumference
79. The _____ of her political beliefs made her stand out among her peers.
- n.* the holding of opinions or beliefs that are different from established or orthodox views, especially in religious or political contexts
80. It is important to place the _____ in the correct position for accurate electro-cardiogram recording.
- n.* either of two points or ends of a conductor at which electricity enters or leaves an object, substance, or region
81. Some of the parts of this car are made of _____ to reduce weight.
- n.* a chemical element with the symbol Al that visually resembles silver, used especially for making cooking equipment and aircraft parts

ANSWERS: 74. brine, 75. chemistry, 76. immediately, 77. temperatures, 78. diameter, 79. heterodoxy, 80. electrodes, 81. aluminum

82. For most people, living in a quiet suburb is _____ to living in a busy city.
adj. more desirable or suitable than another option; more favored or favored over something else; better or more advantageous
83. We decided to have a quick lunch at the neighborhood _____.
n. a small, informal restaurant or café, typically serving simple, home-style meals or light refreshments
84. Within a few years, no _____ forests will remain.
n. a person who has never had sex; (adjective) being used or worked for the first time
85. The _____ demonstrate that poverty and unemployment are genuine problems.
n. the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data
86. Their headquarters are in a _____ skyscraper.
adj. of or belonging to the present time or recent times
87. 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
88. The _____ temperature recorded this summer was higher than average.
adj. the largest or greatest amount or value attainable or attained
89. The outermost _____ shell determines the chemical properties of an atom.
n. a tiny particle with the negative electrical charge

ANSWERS: 82. preferable, 83. bistro, 84. virgin, 85. statistics, 86. modern, 87. separate, 88. maximum, 89. electron

90. He found _____ in the works of his favorite authors.
- n.* something that motivates or encourages someone to create or achieve something, or a feeling of excitement or creativity
91. The company has made great strides in its _____ toward sustainability.
- n.* the act or process of changing to the next stage or phase or moving forward
92. I was able to _____ the moment on film.
- v.* to catch a person or an animal and confine them in an area which they cannot escape
93. _____ imbalances can cause health problems.
- n.* a substance that conducts electricity when dissolved in water or another solvent and that is essential for many physiological processes in the body
94. The budget _____ forced them to make difficult decisions.
- n.* a limit or restriction on something, such as an action, behavior, or thought
95. _____ supplements are often recommended for people who are deficient in this mineral.
- n.* a metallic element that is found in small amounts in the earth's crust and is used in the manufacture of brass and alloys, and is required to maintain human's health
96. It was _____ for the store to have such a big sale.
- adj.* not occurring or seen very often; rare
97. He tried every possible treatment, including chemotherapy and _____ therapy.
- n.* the energy that comes from a nuclear reaction in the form of rays, waves, or particles and that can be hazardous to health

ANSWERS: 90. inspiration, 91. progression, 92. capture, 93. Electrolyte, 94. constraint, 95. Zinc, 96. uncommon, 97. radiation

98. She drowned her _____ of anger through her creative work.

- n.* a sudden and great increase of something, such as a feeling, the amount or number, etc.

99. She sipped her tea from a delicate _____.

- n.* a small, shallow dish with a slightly raised edge or rim used for holding a cup or as a decorative object; a flying object that is often associated with UFO sightings

100. The _____ amount of money raised for the charity was over a million dollars.

- n.* a collection or sum of different things often used to describe a total or combination of items

101. We should always be prepared to _____ talented recruits.

- v.* to give somebody a job

102. Taking _____ supplements can help alleviate muscle soreness after working out.

- n.* a silvery-white metal with the symbol Mg and atomic number 12, which is the eighth-most abundant element in the Earth's crust and is used in the production of various alloys, as well as in biomedical research and as an important nutrient for plants and animals

103. Her research team made an important _____.

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

104. 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

ANSWERS: 98. surge, 99. saucer, 100. aggregate, 101. hire, 102. magnesium, 103. discovery, 104. device

105. Skydiving is an overwhelming _____ for many people.

n. a feeling of extreme and sudden excitement and pleasure; to cause someone to feel sudden intense sensation or emotion

106. A _____ audience viewed the broadcast.

adj. enormous in size, number, amount, or quantity

107. The castle was _____ several years later.

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

108. The brothers _____ each other in the hobby.

v. to look like or be similar to someone or something

109. The _____ metal was poured into the mold.

adj. in a liquid state as a result of being heated

110. They _____ to make their dream come true.

v. to try very hard to do, achieve, or obtain something

111. The jewelry manufacturer will _____ the silver necklace with a thin layer of gold.

v. to coat or cover an object with a layer of metal, typically by using an electric current; to apply a thin metallic layer onto a surface for decorative or protective purposes

112. The political party _____ after much internal fighting.

v. to be or cause to be absorbed by a liquid to form a part of the solution; to close down or dismiss

ANSWERS: 105. thrill, 106. vast, 107. abandoned, 108. resemble, 109. molten, 110. strived, 111. electroplate, 112. dissolved

113. Capitalism guarantees the right of ownership of personal _____.
- n.* a large amount of money or property; chance or luck as an unknown and arbitrary force affecting human affairs
114. The hiker's boots were _____ from walking through the stream.
- adj.* completely wet; saturated or drenched with a liquid
115. Many electric vehicle companies now employ _____ capacitors for circuits.
- n.* the branch of physical chemistry concerned with the relations between electrical and chemical phenomena
116. His candid _____ at the meeting sparked a lively discussion among the attendees.
- n.* a comment or observation, or something said or written about a particular subject or situation; (verb) to give a spoken statement on a particular subject or situation
117. 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
118. They study the _____ of the universe.
- n.* a gradual process of transformation of living things
119. The earthquake resulted in significant _____ destruction.
- adj.* associated with the way on construction or organization of anything
120. The _____ party strongly disagreed with the government's proposed legislation.
- n.* the act of disagreeing or resisting; the state of strong disagreement

ANSWERS: 113. fortune, 114. soaked, 115. electrochemistry, 116. remark, 117. convinced, 118. evolution, 119. structural, 120. opposition

121. As the sun set, the colors of the sky merged with the _____ creating a beautiful orange and pink hue.

n. the line at which the earth's surface and the sky appear to meet; the range of interest or activity that can be anticipated

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

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

123. The hockey player took a shot but missed the _____ entirely.

n. a small, hard rubber disc used in ice hockey and other related games; a mischievous or playful sprite or demon in folklore and mythology

124. The aircraft was made using a lightweight _____ of aluminum and titanium.

n. a metal made by combining two or more metallic elements, especially to give greater strength or resistance to corrosion

125. He was so hungry from the long journey that he had a _____ appetite.

adj. extremely large

126. She had lived through two world wars in her _____.

n. the duration of someone's life or something's existence;

127. Many Germans _____ to South America in the mid-19th century.

v. to move from one country or region to another and settle there; to move from one place to another periodically or seasonally

128. 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

ANSWERS: 121. horizon, 122. manufactured, 123. puck, 124. alloy, 125. gigantic, 126. lifetime, 127. migrated, 128. battery

129. Children must be taught to _____ our natural environment.

- v.* to protect something, especially the natural environment or culture, from change, damage, or destruction

130. The book was _____ difficult to follow but still worth reading.

- adv.* used to acknowledge a fact or statement, often one that weakens or contradicts an argument or opinion; concededly

131. He's utterly _____ with his promotion.

- v.* to fill the mind of someone continually so that one can't think of anything else

132. He taught engineering and _____ classes.

- n.* a branch of materials science and engineering that stands at metals' physical and chemical properties, their compounds with other metals, and their mixtures, called alloys.

133. Gamma _____ penetrate body tissues and cause cell damage.

- n.* a narrow line of light, heat, or another form of energy

134. 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

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

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

136. The _____ to the safe was a secret.

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

ANSWERS: 129. conserve, 130. admittedly, 131. obsessed, 132. metallurgy, 133. rays, 134. storage, 135. loose, 136. combination

137. I made a _____ box to store my winter clothes in.

- n.* a stiff, thick material made from compressed paper pulp used to make boxes and other packaging materials

138. The police officer _____ the suspect through the crowded streets until they finally caught him.

- v.* to pursue something or someone to catch or capture them; to go after something vigorously or with determination; (noun) a pursuit or a hunt; a narrow groove or channel cut into a surface, often used for decorative purposes

139. His son had accurately _____ the bloom.

- v.* to illustrate someone or something in a photograph

140. He postulated a completely different _____ to explain all these phenomena.

- n.* a standard or typical example of something; a pattern or model

141. The doctors said that her recovery was a _____.

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

142. The vegetarian burger was an _____ that quickly spread to the United Kingdom.

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

143. The ___ level of this soil is too acidic for these types of plants.

- n.* a measure of the acidity or alkalinity of a substance, on a scale of 0 to 14, with seven being neutral, lower values indicating greater acidity, and higher values indicating greater alkalinity

ANSWERS: 137. cardboard, 138. chased, 139. depicted, 140. paradigm, 141. miracle, 142. innovation, 143. ph

144. 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
145. The club _____ does not have absolute power.
- n.* the leader of a republic, for example, the US; the person in charge of the organization such as a company, university, club, etc.
146. The _____ of water is called ice.
- adj.* hard or firm; characterized by good substantial quality
147. Government workers cannot _____ to political campaigns.
- v.* to give something, especially money or goods, to provide or achieve something together with other people
148. Their innovative concepts were consistent across their bodies of _____.
- n.* the different parts of something's elements or ingredients; the way in which the different components are organized; a piece of music written by someone
149. Try to keep a _____ between work and off.
- n.* a condition in which everything has the same weight or force; something left after other parts have been taken away
150. The first _____ of the virus appeared in less than a month.
- n.* something that is slightly different from others of the same type
151. 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

ANSWERS: 144. process, 145. president, 146. solid-state, 147. contribute, 148. composition, 149. balance, 150. variant, 151. electrify

152. Actuators convert _____ pulses into motion.

adj. relating to electricity

153. His father's death changed his whole _____ on life.

n. a confident attitude toward something; a particular style of thinking about something

154. His hypothesis concerns the role of an _____ field in human health.

adj. of or relating to the magnetism produced by electric charge in motion

155. The new president was _____ immediately after the national election.

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

156. The defendant gave a _____ and accurate description of the accident.

adj. easy to do or understand, or simple; free from ambiguity

157. What is the entry _____ for this course?

n. something that is needed or wanted

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

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

159. Necessity is the mother of _____.

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

ANSWERS: 152. electrical, 153. perspective, 154. electromagnetic, 155. installed, 156. straightforward, 157. requirement, 158. graduate, 159. invention

160. Several hectares of land are needed to generate more than 1-mega_____ solar power.

n. a standard unit for measuring electrical power

161. Please _____ to my words of advice before making a decision.

v. to listen attentively or carefully; to give heed or pay attention to something

162. The team's _____ of skills allowed them to tackle a wide range of tasks.

n. the state of being plural or multiple; a majority of votes or shares held by one group in a multi-candidate or multi-party system

163. A healthy farm provides an _____ of food.

n. a significant amount of something; the situation in which there is too much of something

164. It is an _____ in mathematics that two parallel lines never intersect.

n. a statement or principle that is regarded as being self-evidently true and does not require proof or justification; a fundamental truth upon which other truths or theories are based

165. The country has _____ oil and natural gas resources.

adj. present in great quantity

166. The _____ in the road was so sharp that I had to slow down to navigate it safely.

n. a bend or angle in a line or surface that deviates from a straight or flat path; a gradual or smooth change in direction or shape

167. I must install a new programming _____ for my computer program to function properly.

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

ANSWERS: 160. watt, 161. hearken, 162. plurality, 163. abundance, 164. axiom, 165. abundant, 166. curve, 167. module

168. The _____ of the device was immediately apparent to all who saw it.

- n.* the state or quality of being useful or convenient; the service, such as electric power or water or transportation, provided by a public

ANSWERS: 168. utility