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Vocabulary Builder Reference from...

Emily Levesque: A stellar history of modern astronomy | TED Talk

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All Words

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Session 1: Word List

engineer

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

synonym: architect, creator, builder

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

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

planet

n. any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star

synonym: earth, world, globe

(1) **planet** like the Earth, (2) save the **planet**

Mercury is the closest **planet** to the sun.

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**.

astronomical

adj. relating to astronomy or the study of celestial bodies and phenomena; very large or immense in scale or

magnitude

synonym : huge, vast, enormous

(1) **astronomical** observation, (2) **astronomical** numbers

The cost of the new equipment was **astronomical** and beyond the company's budget.

telescope

n. a device like a tube in shape containing lenses used to magnify and observe distant objects

(1) a binocular **telescope**, (2) look through a **telescope**

This facility has the largest astronomical **telescope** in the country.

operator

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

synonym : controller, handler, manipulator

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

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

observatory

n. a building designed and equipped to observe the planets, the stars, the weather, etc.

(1) space **observatory**, (2) a meteorological **observatory**

That astronomical **observatory** stands at the top of the mountain.

astronomer

n. a physicist who studies astronomy

synonym : stargazer, cosmologist, astrophysicist

(1) amateur **astronomer**, (2) solar **astronomer**

This question has fascinated solar **astronomers** for decades.

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.

satellite

n. an electronic device that is sent up into space and moves around the Earth or another planet, used for gathering information or communicating by radio, television, etc.

synonym: orbiter, asteroid, moon

(1) a GPS **satellite**, (2) a meteorological **satellite**
Launching an artificial **satellite** contributed to the technological development of our country.

galaxy

n. an independent group of stars, interstellar gas, dark matter, etc., in the universe, bound together by gravity

synonym: star cluster, nebula, star system

(1) elliptic **galaxy**, (2) a **galaxy** of famous actors
The Milky Way **galaxy** has numerous water-bearing planets.

amazing

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

synonym: exceptional, extraordinary, wonderful

(1) **amazing** advances, (2) the most **amazing** feeling
The golfer recorded an **amazing** distance.

zoom

v. to move along very quickly; (noun) the act of rising upward into the air

synonym: move quickly, dive, buzz

(1) **zoom** in on a photo, (2) **zoom** lens
He **zoomed** back in time to the soccer game.

essentially

adv. relating to the essential features or concepts of anything
synonym: fundamentally, basically, virtually

(1) **essentially** correct, (2) become **essentially** same
Essentially, a society is an organism.

memorize

v. to learn something carefully so that you will remember it exactly

synonym: learn, remember, remind

(1) **memorize** musical scores, (2) try hard to **memorize** the lines

Lawyers need to **memorize** even the most minor provisions of the law.

pore

n. a tiny hole in the skin of people or other animals that sweat can pass through; (verb) to read carefully or study attentively

synonym: stoma, foramen

(1) woody **pore** fungi, (2) **pore** over reference books

I was sweating at every **pore**.

observation

n. the act or activity of carefully examining or monitoring something or someone

synonym: watching, notice, reflection

(1) class **observation** day, (2) **observation** instrument

In the hospital, she will remain under constant **observation**.

astronomy

n. the scientific study of objects and matter outside the Earth's atmosphere, especially the positions, motions, and evolution of celestial bodies

synonym: astrophysics, stargazing, cosmology

(1) **astronomy** science, (2) a branch of **astronomy**

He had a deep passion for extragalactic **astronomy** and spent hours observing the night sky.

observe

v. to watch or notice something carefully, often to gather information or insights; to take note of something or someone; to celebrate or commemorate a special event or occasion

synonym: watch, monitor, scrutinize

(1) **observe** a tradition, (2) **observe** wildlife

It is important to **observe** safety procedures in the workplace to prevent accidents.

universe

n. everything that exists, especially all physical matter, including planets, stars, galaxies, and all other forms of matter and energy

synonym : cosmos, macrocosm

(1) theory of the **universe**, (2) expansion of the **universe**

The **universe** is about 13.8 billion years old.

fragile

adj. delicate or easily broken or damaged

synonym : delicate, brittle, breakable

(1) politically **fragile** nation, (2) **fragile** ecosystem

The vase was made of **fragile** ceramic and easily broke when it was dropped.

moonshot

n. an ambitious, risky, and innovative project or goal, especially one that is intended to bring about radical change or breakthroughs in a particular field or industry, often inspired by the lunar landing mission of Apollo 11 in 1969

synonym : initiative, endeavor, pursuit

(1) AI **moonshot**, (2) **moonshot** idea

The company's **moonshot** project aims to develop a revolutionary new technology within a tight deadline.

sight

n. the ability to see; anything that is seen

synonym : vision, spectacle, view

(1) an unexpected **sight**, (2) dull **sight**

Many famous **sights** are within walking distance.

flip

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

synonym : throw, jump

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

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

origin

n. the first existence or beginning of something

synonym : root, source, ancestor

(1) **origin** of information, (2) racial **origin**

There are various hypotheses concerning the **origin** of life.

photograph

n. a picture or image that is produced by a camera; a visual representation or record of a person, object, or scene that has been captured electronically or on film

synonym: photo, picture, snapshot

(1) **photograph** album, (2) **photograph** memories

I found an old **photograph** of my grandparents from their wedding day.

incredibly

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

synonym: enormously, exceptionally, extraordinarily

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

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

chemical

adj. relating to or connected with chemistry;

synonym: chemic, synthetic

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

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

emulsify

v. to mix two or more liquids that normally don't dissolve in each other, such as oil and water, by adding an agent that helps to suspend the tiny droplets of one liquid within the other

synonym: blend, fuse, mix

(1) **emulsify** fats and proteins, (2) **emulsify** egg yolks

You must first **emulsify** the oil and vinegar to make the salad dressing.

exposed

adj. having no protection or shield from something, such as bad weather, attack, or criticism

synonym: endangered, revealed, disclosed

(1) **exposed** to radiation, (2) an **exposed** rock

Tech companies often employ **exposed** ducts and other materials in their office interiors.

specific

adj. clearly defined or particular to a certain thing or situation; distinct, explicit, and precise

synonym: particular, definite, distinct

(1) **specific** instructions, (2) industry- **specific** regulations

The scientist conducted a study that provided **specific** details about the species' behavior.

razor

n. a sharp blade used for shaving or cutting hair

synonym: blade, shaver, cutter

(1) **razor** blade, (2) an electric **razor**

He shaved with a **razor** to get a close shave.

slice

n. a flat, often thin, piece of bread, meat, cheese, etc., that has been cut from a larger piece; a wound made by cutting

synonym: piece, portion, slit

(1) a **slice** of the company's revenue, (2) **slice** a tomato thin

The children complained because one **slice** of cake was slightly larger than the other.

soak

v. to allow liquid to be absorbed, typically by immersing in it; to leave as a guarantee in return for money

synonym: saturate, steep, douse

(1) **soak** in a hot spring, (2) **soak** away stress

I **soaked** the shirt in the sink before washing it.

ammonia

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

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

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

- tap** v. to hit someone or something quickly, gently, and often repeatedly; to use existing resources, such as energy, knowledge, etc.
synonym : knock, exploit, use
(1) **tap** a new market, (2) **tap** keyboard with an index finger
To expand the company, we must **tap** new human resources.
- lick** v. to pass the tongue over something to moisten, taste, or eat
synonym : taste, moisten, sweep
(1) **lick** a teaspoon, (2) **lick** its wounds
She **licked** the envelope to seal it before mailing it.
- sticky** *adj.* made of or covered with an adhesive substance; hot or warm and humid
synonym : adhesive, gluey, clingy
(1) **sticky** weather, (2) **sticky** situation
A peculiar **sticky** material coated the foliage.
- slightly** *adv.* in a small degree or extent; a little
synonym : barely, narrowly, scarcely
(1) increase **slightly**, (2) **slightly** alkaline soils
He moved his body **slightly** to the left.
- 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.
- meticulously** *adv.* with great attention to detail; thoroughly and carefully
synonym : carefully, attentively, scrupulously
(1) **meticulously** crafted product, (2) **meticulously** executed

She **meticulously** planned every detail of her wedding.

snap

v. to record on photographic film; to make a sudden, sharp sound; (noun) the act of catching an object with the hands

synonym: break, crack, fracture

(1) **snap** a whip, (2) **snap** judgment

She **snapped** a quick picture of the beautiful sunset before it disappeared.

patch

n. a small piece of material or fabric used to repair or reinforce a tear, hole, or damaged area; a small plot of land used for cultivation or a specific purpose

synonym: mend, repair, fix

(1) **patch** of grass, (2) software **patch**

I need to sew a **patch** onto my jeans that ripped.

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.

elevator

n. a mechanical device used for vertical transportation, typically in multi-story buildings, consisting of a compartmentalized platform that moves between floors

synonym: lift, hoist

(1) **elevator** ride, (2) modern **elevator**

The hotel's **elevator** was out of order, so we had to take the stairs to our room on the fifth floor.

attach

v. to fasten, join, or connect one thing to another

synonym: fix, fasten, bind

(1) **attach** firmly, (2) **attach** a file to an e-mail

He does not **attach** importance to these rumors.

dome

n. a rounded vault forming the roof of a building or structure, typically with a circular base

synonym: hemisphere, cupola, vaults

(1) snow **dome**, (2) **dome** structure

The cathedral **dome** soared high above, its stained-glass windows casting colorful light on the altar below.

shiver

v. to shake or quiver with cold, fear, or excitement; to tremble or vibrate rapidly

synonym: quiver, tremble, shake

(1) **shiver** with delight, (2) **shiver** in fear

I **shiver** in the cold winter air as I wait for the train.

transfer

v. to move, pass, or change from one person, place, or situation to another

synonym: move, relocate, shift

(1) **transfer** a file, (2) **transfer** power

She **transferred** the money from her savings account to her checking account.

complicated

adj. involving a lot of different things or parts in a way that is difficult to understand or analyze

synonym: complex, convoluted, intricate

(1) a **complicated** process, (2) become increasingly **complicated**

He did **complicated** pen-and-ink drawings in just a few days.

structure

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

synonym: construction, architecture, establishment

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

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

expose

v. to show something by uncovering it; to make something accessible to some action or influence

synonym: disclose, reveal, uncover

(1) **expose** a crime, (2) **expose** a person to risks

That newspaper **exposed** a political scandal in a big way.

crouch

v. to put your body close to the ground, especially as a way of avoiding being seen

synonym: bend down, squat, stoop

(1) **crouch** into a ball, (2) **crouch** around a fire

He **crouched** down behind the bushes to avoid being seen.

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.

wander

v. to walk around slowly or to a place, often without any clear purpose or direction

synonym: ramble, roam, stroll

(1) **wander** alone in a strange country, (2) **wander** far from home

I often **wander** around the park for half an hour.

blazing

adj. burning and emitting intense heat and light; powerful and impressive

synonym: burning, fiery, scorching

(1) **blazing** fury, (2) **blazing** fire

The **blazing** sun beat down on the desert.

flood

n. a large amount of water flowing beyond its normal limits; an overwhelming number or amount

synonym: deluge, downpour, overflow

(1) **flood** advisory, (2) a **flood** of questions

These heavy rains caused flash **floods** on several islands.

- ruin**
- v. to damage, spoil, or demolish something; (noun) an unrecoverable state of devastation and destruction,
synonym: bankrupt, demolish, destroy
- (1) **ruin** the plan, (2) **ruin** the reputation
- He knocked over the red wine and **ruined** the tablecloth.
- howl**
- v. to make a prolonged, loud, mournful cry or noise, typically as a signal of distress, pain, or an intense emotion; to express one's strong feelings or emotions in a loud and unrestrained manner; (noun) a long, loud, mournful sound made by a person or an animal, often in response to pain, fear, or sadness
synonym: wail, scream, shriek
- (1) **howl** at the moon, (2) **howl** of anger
- The wolves began to **howl** in the distance as the sunset.
- yell**
- v. to shout in a sudden and loud way
synonym: shout, scream, cry
- (1) **yell** for help, (2) **yell** as loud as we can
- When I asked my father for more money, he became furious and **yelled** at me.
- curse**
- n. a rude or offensive word or an expression that is not polite and shows that you are very angry
synonym: condemnation, cuss, hex
- (1) under a **curse**, (2) few **curse** words
- Many autocratic policies became a **curse** for that country's economy.
- destroy**
- v. to ruin or damage severely or completely; to eradicate or eliminate completely
synonym: demolish, ruin, obliterate
- (1) **destroy** the ecosystem, (2) **destroyed** evidence
- The building was **destroyed** in the fire and had to be rebuilt.
- threat**
- n. a strong indication or likelihood of harm, danger, or adverse consequences; an expression of intent to inflict

harm or injury on someone or something, often made as a means of coercion or intimidation

synonym: menace, danger, hazard

(1) economic **threat**, (2) environmental **threat**

The **threat** of severe weather prompted the city to issue an evacuation warning.

suddenly

adv. quickly and unexpectedly

synonym: abruptly, unexpectedly, unawares

(1) **suddenly** attacked by an enemy, (2) die **suddenly**

Who answers **suddenly** knows little.

spinning

n. the act of rotating rapidly around an axis; in the context of textiles, the process of twisting fibers together to form thread or yarn

synonym: whirling, rotating, spinning wheel

(1) **spinning** machine, (2) **spinning** wheel

She took a **spinning** class at the gym to improve her cardiovascular fitness.

mad

adj. insane, especially due to a mental illness; very angry

synonym: crazy, insane, furious

(1) a **mad** person, (2) gets **mad** easily

He was **mad** with joy to see the results.

murder

n. the crime of killing somebody intentionally

synonym: slaying, killing

(1) **murder** in the second degree, (2) attempted **murder**

This intriguing **murder** mystery remains unsolved.

absurd

adj. ridiculously silly, unreasonable, or illogical

synonym: ridiculous, foolish, idiotic

(1) **absurd** storyline, (2) an **absurd** amount of money

We immediately rejected his **absurd** suggestion.

slow-motion

n. an effect in film-making whereby time appears to be slowed down

synonym : turtle's pace, slow-mo

(1) **slow-motion** movie, (2) frame-by-frame **slow-motion**
Baseball umpires often overturn decisions with **slow-motion** replay.

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.

ridiculous

adj. very silly or unreasonable and deserving to be laughed at

synonym : absurd, fatuous, foolish

(1) a **ridiculous** amount of money, (2) a **ridiculous** suggestion

Everyone regarded the theory he advocated as **ridiculous** but was later proven correct.

primitive

adj. of or relating to an early stage of society with no industry or technological development; simple, naive, or old-fashioned in style

synonym : elementary, naive, rudimental

(1) **primitive** society, (2) artifact of a **primitive** humankind

The industry in this country is still **primitive**.

dunk

v. to immerse or submerge briefly in a liquid, often repeatedly to coat or moisten; to slam or force something down into a container of liquid

synonym : dip, plunge, soak

(1) **dunk** in water, (2) **dunk** a basketball

I like to **dunk** my cookies in milk before eating them.

stick

- v. to put something, usually a sharp object, into something; to restrict yourself to doing or using one certain thing and not change; (noun) a thin piece of wood or other material

synonym : pierce, adhere, stay

(1) **stick** a key in a lock, (2) fire **stick**

You **stick** a bill in the change machine, and the coins pop out.

mystery

- n. something difficult to understand or explain; a secret or enigmatic quality that adds to the fascination or interest of something; a genre of fiction that involves the solution of a crime or a puzzle

synonym : enigma, puzzle, secret

(1) **mystery** novel, (2) unsolved **mystery**

The **mystery** surrounding the disappearance of the traveler has yet to be solved by authorities.

cosmos

- n. another name for the universe, mainly used when it is thought of as an ordered system

synonym : universe, macrocosm

(1) exploration of **cosmos**, (2) origin of the **cosmos**

Supercomputers enable scientists to create computational models of the **cosmos**.

perch

- v. to sit, stand, or rest on something, particularly a narrow or elevated surface; to position oneself confidently or dominantly; to place something in a high or elevated position; (noun) a branch or other elevated place where a bird can rest or roost

synonym : sit, roost, squat

(1) **perch** on a ledge, (2) **perch** of a bird of prey

The bird **perched** on the branch, watching the world below.

nebula

n. a cloud of gas and dust in space, visible in the night sky, typically as a diffuse light source

synonym : cloud, mist, stardust

(1) a spiral **nebula**, (2) emission **nebula**

The galactic **nebula** was a beautiful sight through the telescope, with its vibrant colors and swirling clouds.

label

n. a small piece of paper, fabric, or other material attached to an object and giving information about it; (verb) to assign to a category

synonym : tag, mark, identifier

(1) a mailing **label**, (2) **label** a bag with my name

The **label** on the food package lists the ingredients and nutritional information.

exclamation

n. a sudden outcry or shout, especially one expressing strong emotion

synonym : outcry, shout, yell

(1) an **exclamation** of surprise, (2) **exclamation** mark

Her sudden **exclamation** drew everyone's attention.

variable

adj. likely to change or vary often; (noun) a symbol, like x or y, that is used in mathematical or logical expressions to represent a value that may be changed

synonym : erratic, inconsistent, irregular

(1) a **variable** species, (2) a dependent **variable**

Rainfall in the tropics is highly **variable**.

dim

adj. poorly lit; not bright

synonym : dull, faint, weak

(1) **dim** and distant past, (2) **dim** memory

The **dim** light made it difficult to read the book.

function

n. the purpose or use of an object, system, or process; a particular activity or operation that is designed to serve a specific purpose; a mathematical concept that describes a relationship between two sets of values, called the

input and output sets; (verb) to operate or work in a specific way, or to perform a particular task or purpose

synonym : purpose, mapping, job

(1) **function** properly, (2) immune **function**

The brain is an incredibly complex organ that controls the body's **function**.

distance

n. the amount of space between two points, measured in units such as miles, meters, or kilometers; the extent, scope, or range between two things, such as distance or emotional distance

synonym : space, gap, span

(1) driving **distance**, (2) social **distance**

The marathon runner covered a long **distance** in a short amount of time.

astonishing

adj. surprising or shocking; difficult to believe

synonym : surprising, shocking, astounding

(1) **astonishing** achievement, (2) make **astonishing** gains

The news of her sudden death was **astonishing** to everyone who knew her.

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.

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.

digital

adj. processing or storing information as a succession of 1 and 0 to show that a signal is present or missing;

relating to the use of computer technology, especially the internet

synonym : numerical, computerized, cyber

(1) a **digital** watch, (2) **digital** electronic signature

Sensors convert physical phenomena into **digital** signals.

underneath

adv. under or below something else

synonym : below, under, beneath

(1) **underneath** the surface of the water, (2) **underneath** the laughter

The penny fell **underneath** the piano.

faint

adj. not strong, clear, or vigorous; slight or weak

synonym : slight, vague, soft

(1) **faint** memory, (2) **faint** aroma of roses

She heard a **faint**, nearly invisible scream.

faraway

adj. located at a geographically distant place; remote or separated by distance; distant or not easily accessible

synonym : distant, remote, far-off

(1) **faraway** land, (2) **faraway** dream

The view from the **faraway** hilltop was breathtakingly beautiful.

strap

n. a long, narrow strip or belt of leather, fabric, or another material used for binding, fastening, or supporting something or someone; a band or string that attaches one object to another, often used to secure items during transport

synonym : band, belt, sling

(1) leather **strap**, (2) camera **strap**

The athlete tightened the **strap** on his running shoes before the race.

afar

adv. at or to a great distance; far away

synonym : distantly, remotely, away

(1) **afar** off, (2) look **afar**

From **afar**, the castle looked like a small toy model.

extreme

adj. very great in amount or degree

synonym: farthestmost, outermost, fierce

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

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

laptop

n. a portable computer that is small enough to be carried around easily and used on your lap

(1) bring my **laptop**, (2) thin-and-light **laptop**

I need to finish this report by tonight, so I'll be working on my **laptop** all day.

couch

n. a piece of furniture made for sitting, usually with a back and armrests, designed to seat more than one person

synonym: sofa, settee, divan

(1) leather **couch**, (2) a **couch** potato

I love to relax on the **couch** and watch movies on the weekends.

command

n. authority, control, or mastery over something, often referring to military or leadership contexts; a directive, order, or instruction; expertise or confidence in a specific area; (verb) to give an authoritative order or instruction, or to be in charge or control of something

synonym: control, authority, leadership

(1) **command** and control, (2) **command** a battery

The general gave a **command** to his troops to prepare for battle.

operate

v. to work in a particular way; to supervise something

synonym: work, use, employ

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

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

supernova

n. a powerful and luminous explosion that occurs in some stars, resulting in an extremely bright, short-lived object that later fades into a supernova remnant

synonym : explosion, detonation, blast

(1) extragalactic **supernova**, (2) **supernova** remnant

The **supernova** explosion created a bright new star in the night sky.

naked-eye

adj. visible to the human eye without the aid of a magnifying or telescopic device; able to be seen with unaided vision

synonym : visible, unaided, apparent

(1) **naked-eye** observation, (2) visible to the **naked-eye**

The **naked-eye** view of the night sky is breathtaking from this remote location.

suppose

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

synonym : guess, assume, presume

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

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

spectacular

adj. striking or impressive to look at or in performance or achievement

synonym : breathtaking, impressive, grand

(1) **spectacular** view, (2) achieve **spectacular** growth

The **spectacular** fireworks display was the highlight of the festival.

dot

n. a very small circular mark, especially one that is printed

synonym : drop, dab, fleck

(1) connecting the **dots**, (2) **dot** blot method

The wallpaper had a pattern of pink **dots** on a white surface.

epic

n. a long and eventful or heroic history, story, poem, or film; (adjective) very imposing or impressive

synonym : legendary, mythical, classical

(1) heroic **epic**, (2) **epic** battle

The military **epic** between the two armies was one for the history books.

brilliant

adj. extremely clever, skilled, or impressive

synonym: luminous, intelligent, clever

(1) **brilliant** idea, (2) **brilliant** performance

The more **brilliant** you are, the more people around you look at you with envy and jealousy.

explosive

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

synonym: volatile, dangerous, fiery

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

This container stores an **explosive** substance.

enormous

adj. extremely large or great

synonym: huge, giant, gigantic

(1) **enormous** amount, (2) **enormous** potential

Shakespeare's output of poetry was **enormous**.

massive

adj. enormous amount; very heavy and solid

synonym: enormous, giant, immense

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

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

spew

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

synonym: vomit, spout, discharge

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

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

obvious

adj. easy to see, discover or understand

synonym: apparent, conspicuous, evident

(1) **obvious** reasons, (2) his conclusion was **obvious**

There are **obvious** differences between the two wine-producing regions.

backyard

n. a whole space behind and belonging to a house

synonym: courtyard, garden

(1) play in the **backyard**, (2) **backyard** barbecue

He grows vegetables in his **backyard**.

headline

n. a heading at the top of a newspaper or magazine story or page

synonym: title, caption

(1) **headline** article, (2) banner **headline**

The engagement of the two golf players became **headline** news.

hashtag

n. a word or phrase preceded by the symbol #, used on social media websites and applications to identify messages on a specific topic

(1) marked with a **hashtag**, (2) trending **hashtag**

Our brand's campaign uses a unique **hashtag** to track engagement and reach.

explosion

n. a violent release induced by a chemical or nuclear reaction

synonym: burst, eruption, outbreak

(1) a lot of **explosions**, (2) site of the **explosion**

A broken gas pipe triggered the **explosion**.

unbelievable

adj. beyond belief or understanding and extremely surprising

synonym: unimaginable, incredible, fantastical

(1) **unbelievable** beauty, (2) cause **unbelievable** damage

He drinks an **unbelievable** amount of beer.

exciting

adj. causing a lot of interest or excitement

synonym: exhilarating, stimulating, thrilling

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

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

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.

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**.

distant

adj. far away in space, time, or where you are; far apart in relevance, relationship, or kinship

synonym: far, isolated, remote

(1) a **distant** memory, (2) **distant** ancestors

The sun set over the crest of **distant** hills.

pinprick

n. a very small hole in something, especially made by a pin or needle; a minor annoyance

(1) a tiny **pinprick**, (2) feel a **pinprick** sensation

He felt a **pinprick** of disgust.

computation

n. the act or process of calculating something, especially an answer or amount, by using a machine or calculator

synonym: calculation, estimation, arithmetic

(1) parallel **computation**, (2) theory of **computation**

The researcher demonstrated the superiority of quantum **computation** in several mathematical tasks.

construct

v. to build or create something; to assemble or combine different parts to form something whole

synonym: build, assemble, create

(1) **construct** a 3D image, (2) **construct** a dam

He **constructs** hypotheses that no mathematician has ever imagined before.

preset

v. to set or adjust something beforehand, often about electronic or technological devices or systems; (noun) a preconfigured setting or adjustment that is programmed into a device, system, or software

synonym: preconfigure, program, prearrange

(1) **preset** not to make a connection, (2) **preset** settings
I always **preset** my coffee maker the night before to have a fresh cup when I wake up.

algorithm

n. a set of rules or rigorous instructions typically used to solve a specific problem or to perform a computation

synonym: logic, method, rule

(1) the RSA **algorithm**, (2) **algorithm** for image processing
We can evaluate the performance of an **algorithm** in terms of computation time.

affiliated

adj. being associated with or connected to a larger organization, group, or system

synonym: connected, associated, allied

(1) **affiliated** bank, (2) a foreign- **affiliated** job
He is in charge of communication with overseas **affiliated** companies.

dramatically

adv. in a very impressive manner

synonym: greatly, noticeably, suddenly

(1) he confessed **dramatically**, (2) the cabin pressure fell **dramatically**

Life expectancy has grown **dramatically** this century.

largely

adv. virtually entirely; to a large degree

synonym: mainly, chiefly, broadly

(1) **largely** accepted, (2) **largely** mitigate the issue
Nevada is **largely** a desert state.

intervention

n. the action or process of being done to improve or help a circumstance, often they have not been asked to do so

synonym: interference, intercession, treatment

(1) **intervention** by foreign powers, (2) surgical

intervention

This **intervention** does not require the patient's consent.

stargaze

v. to gaze at the stars, especially at night; to daydream or fantasize:

synonym: observe, daydream, woolgather

(1) **stargaze** on the roof, (2) **stargaze** in wonder

We like to **stargaze** on clear summer nights and try to identify as many constellations as we can.

disappear

v. to cease to exist or be visible

synonym: fade, evaporate, vanish

(1) **disappear** without a trace, (2) **disappear** after a week

They watched the train **disappear** into the distance.

atop

adv. on, to, or at the top

synonym: upon, onto

(1) stand **atop**, (2) sit **atop** a stack of books

The eagle perched **atop** the tallest tree in the forest.

analyze

v. to think about in-depth and evaluate to discover essential features or meaning

synonym: explore, examine, investigate

(1) **analyze** a chemical compound, (2) **analyze** your real motives

The teacher attempted to **analyze** the root cause of our mistake.

curiosity

n. a strong desire to know or learn about something

synonym: interest, inquisitiveness, novelty

(1) boundless **curiosity**, (2) satisfy my intellectual **curiosity**

We are motivated by **curiosity** rather than necessity.

harness

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

synonym: rein in, control, (noun) belt

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

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

combine

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

synonym: coalesce, cohere, blend

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

(2) **combine** augmented reality

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

incredible

adj. unbelievable; enormous

synonym: unbelievable, fantastical, inconceivable

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

Her response revealed **incredible** idiocy.

Session 2: Spelling

1. ex_____d to radiation
adj. having no protection or shield from something, such as bad weather, attack, or criticism
2. a civil en_____er
n. a person whose job is designing, building, or maintaining something such as machines, structures, or software
3. cr____h around a fire
v. to put your body close to the ground, especially as a way of avoiding being seen
4. br_____nt idea
adj. extremely clever, skilled, or impressive
5. di_____ar without a trace
v. to cease to exist or be visible
6. under a cu___e
n. a rude or offensive word or an expression that is not polite and shows that you are very angry
7. camera st__p
n. a long, narrow strip or belt of leather, fabric, or another material used for binding, fastening, or supporting something or someone; a band or string that attaches one object to another, often used to secure items during transport
8. gets m_d easily
adj. insane, especially due to a mental illness; very angry
9. few cu___e words
n. a rude or offensive word or an expression that is not polite and shows that you are very angry

ANSWERS: 1. exposed, 2. engineer, 3. crouch, 4. brilliant, 5. disappear, 6. curse, 7. strap, 8. mad, 9. curse

10. 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
11. pre-mo___n agricultural society *adj.* of or belonging to the present time or recent times
12. em____fy egg yolks *v.* to mix two or more liquids that normally don't dissolve in each other, such as oil and water, by adding an agent that helps to suspend the tiny droplets of one liquid within the other
13. an ab___d amount of money *adj.* ridiculously silly, unreasonable, or illogical
14. met_____sly crafted product *adv.* with great attention to detail; thoroughly and carefully
15. s__p judgment *v.* to record on photographic film; to make a sudden, sharp sound; (noun) the act of catching an object with the hands
16. em____fy fats and proteins *v.* to mix two or more liquids that normally don't dissolve in each other, such as oil and water, by adding an agent that helps to suspend the tiny droplets of one liquid within the other
17. the RSA al_____hm *n.* a set of rules or rigorous instructions typically used to solve a specific problem or to perform a computation
18. environmental th___t *n.* a strong indication or likelihood of harm, danger, or adverse consequences; an expression of intent to inflict harm or injury on someone or something, often made as a means of coercion or intimidation

ANSWERS: 10. curve, 11. modern, 12. emulsify, 13. absurd, 14. meticulously, 15. snap, 16. emulsify, 17. algorithm, 18. threat

19. pho_____ph memories *n.* a picture or image that is produced by a camera; a visual representation or record of a person, object, or scene that has been captured electronically or on film
20. f__p over the pork chop *v.* to turn over into a different position quickly; to throw or toss with a light motion
21. sp_____ic instructions *adj.* clearly defined or particular to a certain thing or situation; distinct, explicit, and precise
22. a di_____l watch *adj.* processing or storing information as a succession of 1 and 0 to show that a signal is present or missing; relating to the use of computer technology, especially the internet
23. ca_____e customers' hearts *v.* to catch a person or an animal and confine them in an area which they cannot escape
24. met_____sly executed *adv.* with great attention to detail; thoroughly and carefully
25. sh____r in fear *v.* to shake or quiver with cold, fear, or excitement; to tremble or vibrate rapidly
26. l__k a teaspoon *v.* to pass the tongue over something to moisten, taste, or eat
27. mu____r in the second degree *n.* the crime of killing somebody intentionally
28. tr_____er power *v.* to move, pass, or change from one person, place, or situation to another

ANSWERS: 19. photograph, 20. flip, 21. specific, 22. digital, 23. capture, 24. meticulously, 25. shiver, 26. lick, 27. murder, 28. transfer

29. look through a te_____pe *n.* a device like a tube in shape containing lenses used to magnify and observe distant objects
30. politically fr_____e nation *adj.* delicate or easily broken or damaged
31. ex_____ng football player *adj.* causing a lot of interest or excitement
32. en_____er shortage *n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software
33. manually op_____e a machine *v.* to work in a particular way; to supervise something
34. d__k a basketball *v.* to immerse or submerge briefly in a liquid, often repeatedly to coat or moisten; to slam or force something down into a container of liquid
35. connecting the d_ts *n.* a very small circular mark, especially one that is printed
36. slo_____on movie *n.* an effect in film-making whereby time appears to be slowed down
37. increase sl_____ly *adv.* in a small degree or extent; a little
38. vi_____e stars *adj.* capable of being seen; or open to easy view
39. visible to the na_____ye *adj.* visible to the human eye without the aid of a magnifying or telescopic device; able to be seen with unaided vision
40. expansion of the un_____se *n.* everything that exists, especially all physical matter, including planets, stars, galaxies, and all other forms of matter and energy

ANSWERS: 29. telescope, 30. fragile, 31. exciting, 32. engineer, 33. operate, 34. dunk, 35. dot, 36. slow-motion, 37. slightly, 38. visible, 39. naked-eye, 40. universe

41. make ast_____ng gains *adj.* surprising or shocking; difficult to believe
42. e__c battle *n.* a long and eventful or heroic history, story, poem, or film; (adjective) very imposing or impressive
43. an ex_____d rock *adj.* having no protection or shield from something, such as bad weather, attack, or criticism
44. st_____ze in wonder *v.* to gaze at the stars, especially at night; to daydream or fantasize:
45. a rid_____us suggestion *adj.* very silly or unreasonable and deserving to be laughed at
46. unsolved my_____y *n.* something difficult to understand or explain; a secret or enigmatic quality that adds to the fascination or interest of something; a genre of fiction that involves the solution of a crime or a puzzle
47. origin of the co____s *n.* another name for the universe, mainly used when it is thought of as an ordered system
48. economic th____t *n.* a strong indication or likelihood of harm, danger, or adverse consequences; an expression of intent to inflict harm or injury on someone or something, often made as a means of coercion or intimidation
49. theory of the un_____se *n.* everything that exists, especially all physical matter, including planets, stars, galaxies, and all other forms of matter and energy

ANSWERS: 41. astonishing, 42. epic, 43. exposed, 44. stargaze, 45. ridiculous, 46. mystery, 47. cosmos, 48. threat, 49. universe

50. aff_____ed bank *adj.* being associated with or connected to a larger organization, group, or system
51. tr_____er a file *v.* to move, pass, or change from one person, place, or situation to another
52. co_____d and control *n.* authority, control, or mastery over something, often referring to military or leadership contexts; a directive, order, or instruction; expertise or confidence in a specific area; (verb) to give an authoritative order or instruction, or to be in charge or control of something
53. a com_____ed process *adj.* involving a lot of different things or parts in a way that is difficult to understand or analyze
54. s__k away stress *v.* to allow liquid to be absorbed, typically by immersing in it; to leave as a guarantee in return for money
55. artifact of a pr_____ve humankind *adj.* of or relating to an early stage of society with no industry or technological development; simple, naive, or old-fashioned in style
56. vi_____e by X-ray *adj.* capable of being seen; or open to easy view
57. my_____y novel *n.* something difficult to understand or explain; a secret or enigmatic quality that adds to the fascination or interest of something; a genre of fiction that involves the solution of a crime or a puzzle
58. de_____yed evidence *v.* to ruin or damage severely or completely; to eradicate or eliminate completely

ANSWERS: 50. affiliated, 51. transfer, 52. command, 53. complicated, 54. soak, 55. primitive, 56. visible, 57. mystery, 58. destroy

59. become ess_____ly same *adv.* relating to the essential features or concepts of anything
60. am_____a water *n.* a compound of nitrogen and hydrogen that forms a gas with a strong smell, used as cleaning substances, fertilizers, and explosives
61. d_m memory *adj.* poorly lit; not bright
62. cause unb_____ble damage *adj.* beyond belief or understanding and extremely surprising
63. fu_____on properly *n.* the purpose or use of an object, system, or process; a particular activity or operation that is designed to serve a specific purpose; a mathematical concept that describes a relationship between two sets of values, called the input and output sets; (verb) to operate or work in a specific way, or to perform a particular task or purpose
64. or____n of information *n.* the first existence or beginning of something
65. d_t blot method *n.* a very small circular mark, especially one that is printed
66. h__l of anger *v.* to make a prolonged, loud, mournful cry or noise, typically as a signal of distress, pain, or an intense emotion; to express one's strong feelings or emotions in a loud and unrestrained manner; (noun) a long, loud, mournful sound made by a person or an animal, often in response to pain, fear, or sadness

ANSWERS: 59. essentially, 60. ammonia, 61. dim, 62. unbelievable, 63. function, 64. origin, 65. dot, 66. howl

67. inhale am_____a fumes *n.* a compound of nitrogen and hydrogen that forms a gas with a strong smell, used as cleaning substances, fertilizers, and explosives
68. the in_____on of new techniques *n.* the creation of a new device or process resulting from study and experimentation; the act of inventing
69. cr____h into a ball *v.* to put your body close to the ground, especially as a way of avoiding being seen
70. mo_____ot idea *n.* an ambitious, risky, and innovative project or goal, especially one that is intended to bring about radical change or breakthroughs in a particular field or industry, often inspired by the lunar landing mission of Apollo 11 in 1969
71. h__l at the moon *v.* to make a prolonged, loud, mournful cry or noise, typically as a signal of distress, pain, or an intense emotion; to express one's strong feelings or emotions in a loud and unrestrained manner; (noun) a long, loud, mournful sound made by a person or an animal, often in response to pain, fear, or sadness
72. a di_____t memory *adj.* far away in space, time, or where you are; far apart in relevance, relationship, or kinship
73. int_____ion by foreign powers *n.* the action or process of being done to improve or help a circumstance, often they have not been asked to do so

ANSWERS: 67. ammonia, 68. invention, 69. crouch, 70. moonshot, 71. howl, 72. distant, 73. intervention

74. 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
75. sh___r with delight *v.* to shake or quiver with cold, fear, or excitement; to tremble or vibrate rapidly
76. fa____y land *adj.* located at a geographically distant place; remote or separated by distance; distant or not easily accessible
77. theory of com_____on *n.* the act or process of calculating something, especially an answer or amount, by using a machine or calculator
78. d__e structure *n.* a rounded vault forming the roof of a building or structure, typically with a circular base
79. und_____th the laughter *adv.* under or below something else
80. co_____d a battery *n.* authority, control, or mastery over something, often referring to military or leadership contexts; a directive, order, or instruction; expertise or confidence in a specific area; (verb) to give an authoritative order or instruction, or to be in charge or control of something
81. play in the ba_____rd *n.* a whole space behind and belonging to a house
82. elliptic ga___y *n.* an independent group of stars, interstellar gas, dark matter, etc., in the universe, bound together by gravity

ANSWERS: 74. curve, 75. shiver, 76. faraway, 77. computation, 78. dome, 79. underneath, 80. command, 81. backyard, 82. galaxy

83. bl____g fire *adj.* burning and emitting intense heat and light; powerful and impressive
84. at inc____le speed *adj.* unbelievable; enormous
85. fl__d advisory *n.* a large amount of water flowing beyond its normal limits; an overwhelming number or amount
86. sit a__p a stack of books *adv.* on, to, or at the top
87. sp____ng machine *n.* the act of rotating rapidly around an axis; in the context of textiles, the process of twisting fibers together to form thread or yarn
88. a branch of as____my *n.* the scientific study of objects and matter outside the Earth's atmosphere, especially the positions, motions, and evolution of celestial bodies
89. feel a pi____ck sensation *n.* a very small hole in something, especially made by a pin or needle; a minor annoyance
90. leather st__p *n.* a long, narrow strip or belt of leather, fabric, or another material used for binding, fastening, or supporting something or someone; a band or string that attaches one object to another, often used to secure items during transport
91. the most am____g feeling *adj.* extremely surprising, especially in a way that you like or admire
92. br____nt performance *adj.* extremely clever, skilled, or impressive

ANSWERS: 83. blazing, 84. incredible, 85. flood, 86. atop, 87. spinning, 88. astronomy, 89. pinprick, 90. strap, 91. amazing, 92. brilliant

93. inc_____le amount *adj.* unbelievable; enormous
94. di_____l electronic signature *adj.* processing or storing information as a succession of 1 and 0 to show that a signal is present or missing; relating to the use of computer technology, especially the internet
95. st___y situation *adj.* made of or covered with an adhesive substance; hot or warm and humid
96. am_____g advances *adj.* extremely surprising, especially in a way that you like or admire
97. driving di_____ce *n.* the amount of space between two points, measured in units such as miles, meters, or kilometers; the extent, scope, or range between two things, such as distance or emotional distance
98. a va_____le species *adj.* likely to change or vary often; (noun) a symbol, like x or y, that is used in mathematical or logical expressions to represent a value that may be changed
99. die su_____ly *adv.* quickly and unexpectedly
100. at___h firmly *v.* to fasten, join, or connect one thing to another
101. a spiral ne___a *n.* a cloud of gas and dust in space, visible in the night sky, typically as a diffuse light source
102. an unexpected si__t *n.* the ability to see; anything that is seen
103. co_____e chemically with another substance *v.* to join or merge to form a single thing or group

ANSWERS: 93. incredible, 94. digital, 95. sticky, 96. amazing, 97. distance, 98. variable, 99. suddenly, 100. attach, 101. nebula, 102. sight, 103. combine

104. ex____e sports *adj.* very great in amount or degree
105. look a__r *adv.* at or to a great distance; far away
106. thin-and-light la____p *n.* a portable computer that is small enough to be carried around easily and used on your lap
107. pa__h of grass *n.* a small piece of material or fabric used to repair or reinforce a tear, hole, or damaged area; a small plot of land used for cultivation or a specific purpose
108. ca_____e a glimpse *v.* to catch a person or an animal and confine them in an area which they cannot escape
109. a co__h potato *n.* a piece of furniture made for sitting, usually with a back and armrests, designed to seat more than one person
110. a meteorological sa_____te *n.* an electronic device that is sent up into space and moves around the Earth or another planet, used for gathering information or communicating by radio, television, etc.
111. his conclusion was ob____s *adj.* easy to see, discover or understand
112. al_____hm for image processing *n.* a set of rules or rigorous instructions typically used to solve a specific problem or to perform a computation
113. snow d__e *n.* a rounded vault forming the roof of a building or structure, typically with a circular base
114. y__l for help *v.* to shout in a sudden and loud way

ANSWERS: 104. extreme, 105. afar, 106. laptop, 107. patch, 108. capture, 109. couch, 110. satellite, 111. obvious, 112. algorithm, 113. dome, 114. yell

115. se____te cream from milk *v.* to force, take, or pull apart; mark as different
116. pe__h on a ledge *v.* to sit, stand, or rest on something, particularly a narrow or elevated surface; to position oneself confidently or dominantly; to place something in a high or elevated position; (noun) a branch or other elevated place where a bird can rest or roost
117. unb_____ble beauty *adj.* beyond belief or understanding and extremely surprising
118. l__k its wounds *v.* to pass the tongue over something to moisten, taste, or eat
119. social di_____ce *n.* the amount of space between two points, measured in units such as miles, meters, or kilometers; the extent, scope, or range between two things, such as distance or emotional distance
120. t_p a new market *v.* to hit someone or something quickly, gently, and often repeatedly; to use existing resources, such as energy, knowledge, etc.
121. pho_____ph album *n.* a picture or image that is produced by a camera; a visual representation or record of a person, object, or scene that has been captured electronically or on film
122. ast_____cal observation *adj.* relating to astronomy or the study of celestial bodies and phenomena; very large or immense in scale or magnitude

ANSWERS: 115. separate, 116. perch, 117. unbelievable, 118. lick, 119. distance, 120. tap, 121. photograph, 122. astronomical

123. 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
124. common in_____on *n.* the creation of a new device or process resulting from study and experimentation; the act of inventing
125. se_____te video into chapter *v.* to force, take, or pull apart; mark as different
126. a__r off *adv.* at or to a great distance; far away
127. software pa__h *n.* a small piece of material or fabric used to repair or reinforce a tear, hole, or damaged area; a small plot of land used for cultivation or a specific purpose
128. 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
129. sl_____ly alkaline soils *adv.* in a small degree or extent; a little
130. achieve spe_____ar growth *adj.* striking or impressive to look at or in performance or achievement
131. site of the ex_____on *n.* a violent release induced by a chemical or nuclear reaction
132. he_____ne article *n.* a heading at the top of a newspaper or magazine story or page

ANSWERS: 123. process, 124. invention, 125. separate, 126. afar, 127. patch, 128. discovery, 129. slightly, 130. spectacular, 131. explosion, 132. headline

133. fr____e ecosystem *adj.* delicate or easily broken or damaged
134. co_____ct a 3D image *v.* to build or create something; to assemble or combine different parts to form something whole
135. leather co__h *n.* a piece of furniture made for sitting, usually with a back and armrests, designed to seat more than one person
136. 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
137. st_____re and function of the brain *n.* the way of construction of something and the arrangement of its parts, or a complex thing constructed of many parts
138. a binocular te_____pe *n.* a device like a tube in shape containing lenses used to magnify and observe distant objects
139. an electric ra__r *n.* a sharp blade used for shaving or cutting hair
140. 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

ANSWERS: 133. fragile, 134. construct, 135. couch, 136. process, 137. structure, 138. telescope, 139. razor, 140. chase

141. surgical int_____ion *n.* the action or process of being done to improve or help a circumstance, often they have not been asked to do so
142. he confessed dra_____lly *adv.* in a very impressive manner
143. dull si__t *n.* the ability to see; anything that is seen
144. f__p a coin *v.* to turn over into a different position quickly; to throw or toss with a light motion
145. ra__r blade *n.* a sharp blade used for shaving or cutting hair
146. boundless cu_____ty *n.* a strong desire to know or learn about something
147. a sl__e of the company's revenue *n.* a flat, often thin, piece of bread, meat, cheese, etc., that has been cut from a larger piece; a wound made by cutting
148. spe_____ar view *adj.* striking or impressive to look at or in performance or achievement
149. stand a__p *adv.* on, to, or at the top
150. obs_____on instrument *n.* the act or activity of carefully examining or monitoring something or someone
151. d_m and distant past *adj.* poorly lit; not bright
152. a lot of ex_____ons *n.* a violent release induced by a chemical or nuclear reaction
153. ob_____e wildlife *v.* to watch or notice something carefully, often to gather information or insights; to take note of something or someone; to celebrate or commemorate a special event or occasion

ANSWERS: 141. intervention, 142. dramatically, 143. sight, 144. flip, 145. razor, 146. curiosity, 147. slice, 148. spectacular, 149. atop, 150. observation, 151. dim, 152. explosion, 153. observe

154. a GPS sa_____te *n.* an electronic device that is sent up into space and moves around the Earth or another planet, used for gathering information or communicating by radio, television, etc.
155. r__n the plan *v.* to damage, spoil, or demolish something; (noun) an unrecoverable state of devastation and destruction,
156. a m_d person *adj.* insane, especially due to a mental illness; very angry
157. di_____t ancestors *adj.* far away in space, time, or where you are; far apart in relevance, relationship, or kinship
158. the cabin pressure fell dra_____lly *adv.* in a very impressive manner
159. 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
160. ma_____e amounts *adj.* enormous amount; very heavy and solid
161. a ga___y of famous actors *n.* an independent group of stars, interstellar gas, dark matter, etc., in the universe, bound together by gravity
162. trending ha_____g *n.* a word or phrase preceded by the symbol #, used on social media websites and applications to identify messages on a specific topic
163. frame-by-frame slo_____on *n.* an effect in film-making whereby time appears to be slowed down

ANSWERS: 154. satellite, 155. ruin, 156. mad, 157. distant, 158. dramatically, 159. discovery, 160. massive, 161. galaxy, 162. hashtag, 163. slow-motion

164. de____y the ecosystem *v.* to ruin or damage severely or completely; to eradicate or eliminate completely
165. exc_____on mark *n.* a sudden outcry or shout, especially one expressing strong emotion
166. st_____ze on the roof *v.* to gaze at the stars, especially at night; to daydream or fantasize:
167. satisfy my intellectual cu_____ty *n.* a strong desire to know or learn about something
168. ab____d storyline *adj.* ridiculously silly, unreasonable, or illogical
169. an ex_____ve personality *adj.* easily able or likely to shatter violently or burst apart; sudden and loud
170. en_____us potential *adj.* extremely large or great
171. co_____e augmented reality *v.* to join or merge to form a single thing or group
172. emission ne____a *n.* a cloud of gas and dust in space, visible in the night sky, typically as a diffuse light source
173. industry-sp_____ic regulations *adj.* clearly defined or particular to a certain thing or situation; distinct, explicit, and precise
174. a mailing la__l *n.* a small piece of paper, fabric, or other material attached to an object and giving information about it; (verb) to assign to a category
175. bl_____g fury *adj.* burning and emitting intense heat and light; powerful and impressive

ANSWERS: 164. destroy, 165. exclamation, 166. stargaze, 167. curiosity, 168. absurd, 169. explosive, 170. enormous, 171. combine, 172. nebula, 173. specific, 174. label, 175. blazing

176. su____e beforehand *v.* to think that something is likely to be actual or possible
177. ha____s a horse to a carriage *v.* to control and exploit the power of something, especially natural resources that produce energy; (noun) a set of narrow pieces of leather and metal that are used to control or hold in place a person, animal, or object
178. na_____ye observation *adj.* visible to the human eye without the aid of a magnifying or telescopic device; able to be seen with unaided vision
179. attempted mu____r *n.* the crime of killing somebody intentionally
180. pr____t settings *v.* to set or adjust something beforehand, often about electronic or technological devices or systems; (noun) a preconfigured setting or adjustment that is programmed into a device, system, or software
181. s__p a whip *v.* to record on photographic film; to make a sudden, sharp sound; (noun) the act of catching an object with the hands
182. s__k in a hot spring *v.* to allow liquid to be absorbed, typically by immersing in it; to leave as a guarantee in return for money
183. extragalactic su_____va *n.* a powerful and luminous explosion that occurs in some stars, resulting in an extremely bright, short-lived object that later fades into a supernova remnant
184. a ch____al compound *adj.* relating to or connected with chemistry;

ANSWERS: 176. suppose, 177. harness, 178. naked-eye, 179. murder, 180. preset, 181. snap, 182. soak, 183. supernova, 184. chemical

185. inc_____ly cheerful character *adv.* in a way that is very difficult to believe; exceedingly or extremely
186. an elevator op_____or *n.* a person who uses and controls machinery or equipment; a mathematical symbol used to perform calculations
187. s__w carbon dioxide *v.* to eject forcefully and abundantly; to flow out rapidly and in large amounts
188. the st_____re of a machine *n.* the way of construction of something and the arrangement of its parts, or a complex thing constructed of many parts
189. wa____r far from home *v.* to walk around slowly or to a place, often without any clear purpose or direction
190. pr_____us information *adj.* uncommon and extremely valuable
191. ex_____ve device *adj.* easily able or likely to shatter violently or burst apart; sudden and loud
192. try hard to me_____ze the lines *v.* to learn something carefully so that you will remember it exactly
193. sp_____ng wheel *n.* the act of rotating rapidly around an axis; in the context of textiles, the process of twisting fibers together to form thread or yarn
194. pe__h of a bird of prey *v.* to sit, stand, or rest on something, particularly a narrow or elevated surface; to position oneself confidently or dominantly; to place something in a high or elevated position; (noun) a branch or other elevated place where a bird can rest or roost

ANSWERS: 185. incredibly, 186. operator, 187. spew, 188. structure, 189. wander, 190. precious, 191. explosive, 192. memorize, 193. spinning, 194. perch

195. get inc_____ly insecure *adv.* in a way that is very difficult to believe; exceedingly or extremely
196. at___h a file to an e-mail *v.* to fasten, join, or connect one thing to another
197. banner he_____ne *n.* a heading at the top of a newspaper or magazine story or page
198. ba_____rd barbecue *n.* a whole space behind and belonging to a house
199. r___n the reputation *v.* to damage, spoil, or demolish something; (noun) an unrecoverable state of devastation and destruction,
200. amateur ast_____er *n.* a physicist who studies astronomy
201. space obs_____ry *n.* a building designed and equipped to observe the planets, the stars, the weather, etc.
202. pr___t not to make a connection *v.* to set or adjust something beforehand, often about electronic or technological devices or systems; (noun) a preconfigured setting or adjustment that is programmed into a device, system, or software
203. Al mo_____ot *n.* an ambitious, risky, and innovative project or goal, especially one that is intended to bring about radical change or breakthroughs in a particular field or industry, often inspired by the lunar landing mission of Apollo 11 in 1969
204. t_p keyboard with an index finger *v.* to hit someone or something quickly, gently, and often repeatedly; to use existing resources, such as energy, knowledge, etc.

ANSWERS: 195. incredibly, 196. attach, 197. headline, 198. backyard, 199. ruin, 200. astronomer, 201. observatory, 202. preset, 203. moonshot, 204. tap

205. di_____ar after a week *v.* to cease to exist or be visible
206. p__e over reference books *n.* a tiny hole in the skin of people or other animals that sweat can pass through; (verb) to read carefully or study attentively
207. z__m in on a photo *v.* to move along very quickly; (noun) the act of rising upward into the air
208. me_____ze musical scores *v.* to learn something carefully so that you will remember it exactly
209. a foreign-aff_____ed job *adj.* being associated with or connected to a larger organization, group, or system
210. a dependent va_____le *adj.* likely to change or vary often; (noun) a symbol, like x or y, that is used in mathematical or logical expressions to represent a value that may be changed
211. put a ha_____s on my pet *v.* to control and exploit the power of something, especially natural resources that produce energy; (noun) a set of narrow pieces of leather and metal that are used to control or hold in place a person, animal, or object
212. fa_____y dream *adj.* located at a geographically distant place; remote or separated by distance; distant or not easily accessible
213. pr_____ve society *adj.* of or relating to an early stage of society with no industry or technological development; simple, naive, or old-fashioned in style
214. ex_____e weather events *adj.* very great in amount or degree

ANSWERS: 205. disappear, 206. pore, 207. zoom, 208. memorize, 209. affiliated, 210. variable, 211. harness, 212. faraway, 213. primitive, 214. extreme

215. ma____e stars *adj.* enormous amount; very heavy and solid
216. fa__t memory *adj.* not strong, clear, or vigorous; slight or weak
217. woody p__e fungi *n.* a tiny hole in the skin of people or other animals that sweat can pass through; (verb) to read carefully or study attentively
218. become increasingly com_____ed *adj.* involving a lot of different things or parts in a way that is difficult to understand or analyze
219. bring my la____p *n.* a portable computer that is small enough to be carried around easily and used on your lap
220. el____or ride *n.* a mechanical device used for vertical transportation, typically in multi-story buildings, consisting of a compartmentalized platform that moves between floors
221. su____ly attacked by an enemy *adv.* quickly and unexpectedly
222. d__k in water *v.* to immerse or submerge briefly in a liquid, often repeatedly to coat or moisten; to slam or force something down into a container of liquid
223. la____y mitigate the issue *adv.* virtually entirely; to a large degree
224. exploration of co____s *n.* another name for the universe, mainly used when it is thought of as an ordered system
225. la__l a bag with my name *n.* a small piece of paper, fabric, or other material attached to an object and giving information about it; (verb) to assign to a category

ANSWERS: 215. massive, 216. faint, 217. pore, 218. complicated, 219. laptop, 220. elevator, 221. suddenly, 222. dunk, 223. largely, 224. cosmos, 225. label

226. immune fu____on *n.* the purpose or use of an object, system, or process; a particular activity or operation that is designed to serve a specific purpose; a mathematical concept that describes a relationship between two sets of values, called the input and output sets; (verb) to operate or work in a specific way, or to perform a particular task or purpose
227. as_____my science *n.* the scientific study of objects and matter outside the Earth's atmosphere, especially the positions, motions, and evolution of celestial bodies
228. la_____y accepted *adv.* virtually entirely; to a large degree
229. fa__t aroma of roses *adj.* not strong, clear, or vigorous; slight or weak
230. st__k a key in a lock *v.* to put something, usually a sharp object, into something; to restrict yourself to doing or using one certain thing and not change; (noun) a thin piece of wood or other material
231. ob_____e a tradition *v.* to watch or notice something carefully, often to gather information or insights; to take note of something or someone; to celebrate or commemorate a special event or occasion
232. save the pl____t *n.* any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star

ANSWERS: 226. function, 227. astronomy, 228. largely, 229. faint, 230. stick, 231. observe, 232. planet

233. an____e a chemical compound *v.* to think about in-depth and evaluate to discover essential features or meaning
234. su____e you're right *v.* to think that something is likely to be actual or possible
235. st____y weather *adj.* made of or covered with an adhesive substance; hot or warm and humid
236. ex____ng news *adj.* causing a lot of interest or excitement
237. a rid____us amount of money *adj.* very silly or unreasonable and deserving to be laughed at
238. pl____t like the Earth *n.* any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star
239. price of pr____us metals *adj.* uncommon and extremely valuable
240. z__m lens *v.* to move along very quickly; (noun) the act of rising upward into the air
241. parallel com____on *n.* the act or process of calculating something, especially an answer or amount, by using a machine or calculator
242. sl__e a tomato thin *n.* a flat, often thin, piece of bread, meat, cheese, etc., that has been cut from a larger piece; a wound made by cutting
243. ast____cal numbers *adj.* relating to astronomy or the study of celestial bodies and phenomena; very large or immense in scale or magnitude
244. racial or____n *n.* the first existence or beginning of something

ANSWERS: 233. analyze, 234. suppose, 235. sticky, 236. exciting, 237. ridiculous, 238. planet, 239. precious, 240. zoom, 241. computation, 242. slice, 243. astronomical, 244. origin

245. y__l as loud as we can *v.* to shout in a sudden and loud way
246. a fl__d of questions *n.* a large amount of water flowing beyond its normal limits; an overwhelming number or amount
247. s__w insults *v.* to eject forcefully and abundantly; to flow out rapidly and in large amounts
248. toxic ch____als *adj.* relating to or connected with chemistry;
249. ex___e a crime *v.* to show something by uncovering it; to make something accessible to some action or influence
250. a tiny pi____ck *n.* a very small hole in something, especially made by a pin or needle; a minor annoyance
251. class obs_____on day *n.* the act or activity of carefully examining or monitoring something or someone
252. fire st__k *v.* to put something, usually a sharp object, into something; to restrict yourself to doing or using one certain thing and not change; (noun) a thin piece of wood or other material
253. solar ast_____er *n.* a physicist who studies astronomy
254. en____us amount *adj.* extremely large or great
255. 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

ANSWERS: 245. yell, 246. flood, 247. spew, 248. chemical, 249. expose, 250. pinprick, 251. observation, 252. stick, 253. astronomer, 254. enormous, 255. chase

256. ast_____ng achievement *adj.* surprising or shocking; difficult to believe
257. und_____th the surface of the water *adv.* under or below something else
258. op_____e 24 hours a day *v.* to work in a particular way; to supervise something
259. ob_____s reasons *adj.* easy to see, discover or understand
260. an exc_____on of surprise *n.* a sudden outcry or shout, especially one expressing strong emotion
261. an_____e your real motives *v.* to think about in-depth and evaluate to discover essential features or meaning
262. op_____or error *n.* a person who uses and controls machinery or equipment; a mathematical symbol used to perform calculations
263. heroic e__c *n.* a long and eventful or heroic history, story, poem, or film; (adjective) very imposing or impressive
264. wa___r alone in a strange country *v.* to walk around slowly or to a place, often without any clear purpose or direction
265. mo___n poetry *adj.* of or belonging to the present time or recent times
266. co_____ct a dam *v.* to build or create something; to assemble or combine different parts to form something whole
267. ess_____ly correct *adv.* relating to the essential features or concepts of anything

ANSWERS: 256. astonishing, 257. underneath, 258. operate, 259. obvious, 260. exclamation, 261. analyze, 262. operator, 263. epic, 264. wander, 265. modern, 266. construct, 267. essentially

268. modern el____or *n.* a mechanical device used for vertical transportation, typically in multi-story buildings, consisting of a compartmentalized platform that moves between floors
269. su____va remnant *n.* a powerful and luminous explosion that occurs in some stars, resulting in an extremely bright, short-lived object that later fades into a supernova remnant
270. ex___e a person to risks *v.* to show something by uncovering it; to make something accessible to some action or influence
271. marked with a ha____g *n.* a word or phrase preceded by the symbol #, used on social media websites and applications to identify messages on a specific topic
272. a meteorological obs____ry *n.* a building designed and equipped to observe the planets, the stars, the weather, etc.

ANSWERS: 268. elevator, 269. supernova, 270. expose, 271. hashtag, 272. observatory

Session 3: Fill in the Blanks

1. A broken gas pipe triggered the _____.
n. a violent release induced by a chemical or nuclear reaction
2. The sun set over the crest of _____ hills.
adj. far away in space, time, or where you are; far apart in relevance, relationship, or kinship
3. He _____ back in time to the soccer game.
v. to move along very quickly; (noun) the act of rising upward into the air
4. You _____ a bill in the change machine, and the coins pop out.
v. to put something, usually a sharp object, into something; to restrict yourself to doing or using one certain thing and not change; (noun) a thin piece of wood or other material
5. There are various hypotheses concerning the _____ of life.
n. the first existence or beginning of something
6. 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
7. He _____ hypotheses that no mathematician has ever imagined before.
v. to build or create something; to assemble or combine different parts to form something whole

ANSWERS: 1. explosion, 2. distant, 3. zoomed, 4. stick, 5. origin, 6. chased, 7. constructs

8. The researcher demonstrated the superiority of quantum _____ in several mathematical tasks.
- n.* the act or process of calculating something, especially an answer or amount, by using a machine or calculator
9. Sensors convert physical phenomena into _____ signals.
- adj.* processing or storing information as a succession of 1 and 0 to show that a signal is present or missing; relating to the use of computer technology, especially the internet
10. The recent economic downturn has resulted in _____ layoffs.
- adj.* enormous amount; very heavy and solid
11. A peculiar _____ material coated the foliage.
- adj.* made of or covered with an adhesive substance; hot or warm and humid
12. The golfer recorded an _____ distance.
- adj.* extremely surprising, especially in a way that you like or admire
13. The _____ is about 13.8 billion years old.
- n.* everything that exists, especially all physical matter, including planets, stars, galaxies, and all other forms of matter and energy
14. 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
15. He _____ down behind the bushes to avoid being seen.
- v.* to put your body close to the ground, especially as a way of avoiding being seen

ANSWERS: 8. computation, 9. digital, 10. massive, 11. sticky, 12. amazing, 13. universe, 14. process, 15. crouched

16. He knocked over the red wine and _____ the tablecloth.
v. to damage, spoil, or demolish something; (noun) an unrecoverable state of devastation and destruction,
17. This question has fascinated solar _____ for decades.
n. a physicist who studies astronomy
18. This _____ does not require the patient's consent.
n. the action or process of being done to improve or help a circumstance, often they have not been asked to do so
19. She heard a _____ nearly invisible scream.
adj. not strong, clear, or vigorous; slight or weak
20. The teacher attempted to _____ the root cause of our mistake.
v. to think about in-depth and evaluate to discover essential features or meaning
21. Her response revealed _____ idiocy.
adj. unbelievable; enormous
22. The _____ of the machine must follow strict safety protocols.
n. a person who uses and controls machinery or equipment; a mathematical symbol used to perform calculations
23. The industry in this country is still _____.
adj. of or relating to an early stage of society with no industry or technological development; simple, naive, or old-fashioned in style
24. We like to _____ on clear summer nights and try to identify as many constellations as we can.
v. to gaze at the stars, especially at night; to daydream or fantasize:

ANSWERS: 16. ruined, 17. astronomers, 18. intervention, 19. faint, 20. analyze, 21. incredible, 22. operator, 23. primitive, 24. stargaze

25. The athlete tightened the _____ on his running shoes before the race.
- n.* a long, narrow strip or belt of leather, fabric, or another material used for binding, fastening, or supporting something or someone; a band or string that attaches one object to another, often used to secure items during transport
26. He shaved with a _____ to get a close shave.
- n.* a sharp blade used for shaving or cutting hair
27. She _____ the money from her savings account to her checking account.
- v.* to move, pass, or change from one person, place, or situation to another
28. It is important to _____ safety procedures in the workplace to prevent accidents.
- v.* to watch or notice something carefully, often to gather information or insights; to take note of something or someone; to celebrate or commemorate a special event or occasion
29. Many autocratic policies became a _____ for that country's economy.
- n.* a rude or offensive word or an expression that is not polite and shows that you are very angry
30. Mercury is the closest _____ to the sun.
- n.* any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star
31. That astronomical _____ stands at the top of the mountain.
- n.* a building designed and equipped to observe the planets, the stars, the weather, etc.
32. This intriguing _____ mystery remains unsolved.
- n.* the crime of killing somebody intentionally

ANSWERS: 25. strap, 26. razor, 27. transferred, 28. observe, 29. curse, 30. planet, 31. observatory, 32. murder

33. We immediately rejected his _____ suggestion.
adj. ridiculously silly, unreasonable, or illogical
34. The company's _____ project aims to develop a revolutionary new technology within a tight deadline.
n. an ambitious, risky, and innovative project or goal, especially one that is intended to bring about radical change or breakthroughs in a particular field or industry, often inspired by the lunar landing mission of Apollo 11 in 1969
35. The wolves began to _____ in the distance as the sunset.
v. to make a prolonged, loud, mournful cry or noise, typically as a signal of distress, pain, or an intense emotion; to express one's strong feelings or emotions in a loud and unrestrained manner; (noun) a long, loud, mournful sound made by a person or an animal, often in response to pain, fear, or sadness
36. Necessity is the mother of _____.
n. the creation of a new device or process resulting from study and experimentation; the act of inventing
37. The galactic _____ was a beautiful sight through the telescope, with its vibrant colors and swirling clouds.
n. a cloud of gas and dust in space, visible in the night sky, typically as a diffuse light source
38. Life expectancy has grown _____ this century.
adv. in a very impressive manner
39. The penny fell _____ the piano.
adv. under or below something else

ANSWERS: 33. absurd, 34. moonshot, 35. howl, 36. invention, 37. nebula, 38. dramatically, 39. underneath

40. Solar gravity creates _____ pressures and temperatures.

adj. very great in amount or degree

41. The _____ fireworks display was the highlight of the festival.

adj. striking or impressive to look at or in performance or achievement

42. The advent of _____ fertilizers markedly increased agricultural productivity.

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

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

adj. relating to or connected with chemistry;

44. 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

45. You must first _____ the oil and vinegar to make the salad dressing.

v. to mix two or more liquids that normally don't dissolve in each other, such as oil and water, by adding an agent that helps to suspend the tiny droplets of one liquid within the other

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

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

47. The _____ view of the night sky is breathtaking from this remote location.

adj. visible to the human eye without the aid of a magnifying or telescopic device; able to be seen with unaided vision

ANSWERS: 40. extreme, 41. spectacular, 42. ammonia, 43. chemical, 44. discovery, 45. emulsify, 46. harness, 47. naked-eye

48. I always _____ my coffee maker the night before to have a fresh cup when I wake up.
- v.* to set or adjust something beforehand, often about electronic or technological devices or systems; (noun) a preconfigured setting or adjustment that is programmed into a device, system, or software
49. This machine is too difficult to _____ for me.
- v.* to work in a particular way; to supervise something
50. I love to relax on the _____ and watch movies on the weekends.
- n.* a piece of furniture made for sitting, usually with a back and armrests, designed to seat more than one person
51. Rainfall in the tropics is highly _____.
- adj.* likely to change or vary often; (noun) a symbol, like x or y, that is used in mathematical or logical expressions to represent a value that may be changed
52. Several cities are experiencing _____ high unemployment rates.
- adv.* in a way that is very difficult to believe; exceedingly or extremely
53. My home is easily _____ from the shore.
- adj.* capable of being seen; or open to easy view
54. We cannot afford to squander _____ time.
- adj.* uncommon and extremely valuable
55. Supercomputers enable scientists to create computational models of the _____.
- n.* another name for the universe, mainly used when it is thought of as an ordered system

ANSWERS: 48. preset, 49. operate, 50. couch, 51. variable, 52. incredibly, 53. visible, 54. precious, 55. cosmos

56. The marathon runner covered a long _____ in a short amount of time.
- n.* the amount of space between two points, measured in units such as miles, meters, or kilometers; the extent, scope, or range between two things, such as distance or emotional distance
57. She _____ planned every detail of her wedding.
- adv.* with great attention to detail; thoroughly and carefully
58. The _____ of severe weather prompted the city to issue an evacuation warning.
- n.* a strong indication or likelihood of harm, danger, or adverse consequences; an expression of intent to inflict harm or injury on someone or something, often made as a means of coercion or intimidation
59. The general gave a _____ to his troops to prepare for battle.
- n.* authority, control, or mastery over something, often referring to military or leadership contexts; a directive, order, or instruction; expertise or confidence in a specific area; (verb) to give an authoritative order or instruction, or to be in charge or control of something
60. The _____ explosion created a bright new star in the night sky.
- n.* a powerful and luminous explosion that occurs in some stars, resulting in an extremely bright, short-lived object that later fades into a supernova remnant
61. The scientist conducted a study that provided _____ details about the species' behavior.
- adj.* clearly defined or particular to a certain thing or situation; distinct, explicit, and precise
62. The _____ surrounding the disappearance of the traveler has yet to be solved by authorities.
- n.* something difficult to understand or explain; a secret or enigmatic quality that adds to the fascination or interest of something; a genre of fiction that involves the solution of a crime or a puzzle

ANSWERS: 56. distance, 57. meticulously, 58. threat, 59. command, 60. supernova, 61. specific, 62. mystery

63. Hydrogen and oxygen _____ to form water.
v. to join or merge to form a single thing or group
64. 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
65. The cost of the new equipment was _____ and beyond the company's budget.
adj. relating to astronomy or the study of celestial bodies and phenomena; very large or immense in scale or magnitude
66. The volcano started to _____ lava and ash, causing panic among residents.
v. to eject forcefully and abundantly; to flow out rapidly and in large amounts
67. The more _____ you are, the more people around you look at you with envy and jealousy.
adj. extremely clever, skilled, or impressive
68. The _____ sun beat down on the desert.
adj. burning and emitting intense heat and light; powerful and impressive
69. Shakespeare's output of poetry was _____.
adj. extremely large or great
70. The eagle perched _____ the tallest tree in the forest.
adv. on, to, or at the top
71. _____ a society is an organism.
adv. relating to the essential features or concepts of anything

ANSWERS: 63. combine, 64. separate, 65. astronomical, 66. spew, 67. brilliant, 68. blazing, 69. enormous, 70. atop, 71. Essentially,

72. Our brand's campaign uses a unique _____ to track engagement and reach.
n. a word or phrase preceded by the symbol #, used on social media websites and applications to identify messages on a specific topic
73. I often _____ around the park for half an hour.
v. to walk around slowly or to a place, often without any clear purpose or direction
74. I _____ the shirt in the sink before washing it.
v. to allow liquid to be absorbed, typically by immersing in it; to leave as a guarantee in return for money
75. I like to _____ my cookies in milk before eating them.
v. to immerse or submerge briefly in a liquid, often repeatedly to coat or moisten; to slam or force something down into a container of liquid
76. 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
77. He was _____ with joy to see the results.
adj. insane, especially due to a mental illness; very angry
78. Nevada is _____ a desert state.
adv. virtually entirely; to a large degree
79. Who answers _____ knows little.
adv. quickly and unexpectedly
80. The organizational _____ of start-ups is often flat and straightforward.
n. the way of construction of something and the arrangement of its parts, or a complex thing constructed of many parts

ANSWERS: 72. hashtag, 73. wander, 74. soaked, 75. dunk, 76. curve, 77. mad, 78. largely, 79. suddenly, 80. structure

81. She _____ a quick picture of the beautiful sunset before it disappeared.
v. to record on photographic film; to make a sudden, sharp sound; (noun) the act of catching an object with the hands
82. To expand the company, we must ____ new human resources.
v. to hit someone or something quickly, gently, and often repeatedly; to use existing resources, such as energy, knowledge, etc.
83. He moved his body _____ to the left.
adv. in a small degree or extent; a little
84. There are _____ differences between the two wine-producing regions.
adj. easy to see, discover or understand
85. This facility has the largest astronomical _____ in the country.
n. a device like a tube in shape containing lenses used to magnify and observe distant objects
86. In the hospital, she will remain under constant _____.
n. the act or activity of carefully examining or monitoring something or someone
87. The _____ on the food package lists the ingredients and nutritional information.
n. a small piece of paper, fabric, or other material attached to an object and giving information about it; (verb) to assign to a category
88. These heavy rains caused flash _____ on several islands.
n. a large amount of water flowing beyond its normal limits; an overwhelming number or amount

ANSWERS: 81. snapped, 82. tap, 83. slightly, 84. obvious, 85. telescope, 86. observation, 87. label, 88. floods

89. The cathedral _____ soared high above, its stained-glass windows casting colorful light on the altar below.
- n.* a rounded vault forming the roof of a building or structure, typically with a circular base
90. The children complained because one _____ of cake was slightly larger than the other.
- n.* a flat, often thin, piece of bread, meat, cheese, etc., that has been cut from a larger piece; a wound made by cutting
91. I need to sew a _____ onto my jeans that ripped.
- n.* a small piece of material or fabric used to repair or reinforce a tear, hole, or damaged area; a small plot of land used for cultivation or a specific purpose
92. Everyone regarded the theory he advocated as _____ but was later proven correct.
- adj.* very silly or unreasonable and deserving to be laughed at
93. The engagement of the two golf players became _____ news.
- n.* a heading at the top of a newspaper or magazine story or page
94. He is in charge of communication with overseas _____ companies.
- adj.* being associated with or connected to a larger organization, group, or system
95. The hotel's _____ was out of order, so we had to take the stairs to our room on the fifth floor.
- n.* a mechanical device used for vertical transportation, typically in multi-story buildings, consisting of a compartmentalized platform that moves between floors

ANSWERS: 89. dome, 90. slice, 91. patch, 92. ridiculous, 93. headline, 94. affiliated, 95. elevator

96. He had a deep passion for extragalactic _____ and spent hours observing the night sky.
- n.* the scientific study of objects and matter outside the Earth's atmosphere, especially the positions, motions, and evolution of celestial bodies
97. He does not _____ importance to these rumors.
- v.* to fasten, join, or connect one thing to another
98. She took a _____ class at the gym to improve her cardiovascular fitness.
- n.* the act of rotating rapidly around an axis; in the context of textiles, the process of twisting fibers together to form thread or yarn
99. The view from the _____ hilltop was breathtakingly beautiful.
- adj.* located at a geographically distant place; remote or separated by distance; distant or not easily accessible
100. The vase was made of _____ ceramic and easily broke when it was dropped.
- adj.* delicate or easily broken or damaged
101. He grows vegetables in his _____.
- n.* a whole space behind and belonging to a house
102. The _____ will repair my telephone tomorrow morning.
- n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software
103. Tech companies often employ _____ ducts and other materials in their office interiors.
- adj.* having no protection or shield from something, such as bad weather, attack, or criticism

ANSWERS: 96. astronomy, 97. attach, 98. spinning, 99. faraway, 100. fragile, 101. backyard, 102. engineer, 103. exposed

104. Baseball umpires often overturn decisions with _____ replay.
n. an effect in film-making whereby time appears to be slowed down
105. Lawyers need to _____ even the most minor provisions of the law.
v. to learn something carefully so that you will remember it exactly
106. Many famous _____ are within walking distance.
n. the ability to see; anything that is seen
107. I found an old _____ of my grandparents from their wedding day.
n. a picture or image that is produced by a camera; a visual representation or record of a person, object, or scene that has been captured electronically or on film
108. The brain is an incredibly complex organ that controls the body's _____.
n. the purpose or use of an object, system, or process; a particular activity or operation that is designed to serve a specific purpose; a mathematical concept that describes a relationship between two sets of values, called the input and output sets; (verb) to operate or work in a specific way, or to perform a particular task or purpose
109. He _____ when he heard that he had been accepted into the university.
v. to turn over into a different position quickly; to throw or toss with a light motion
110. That newspaper _____ a political scandal in a big way.
v. to show something by uncovering it; to make something accessible to some action or influence
111. This container stores an _____ substance.
adj. easily able or likely to shatter violently or burst apart; sudden and loud

ANSWERS: 104. slow-motion, 105. memorize, 106. sights, 107. photograph, 108. function, 109. flipped, 110. exposed, 111. explosive

112. 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

113. From _____ the castle looked like a small toy model.

- adv.* at or to a great distance; far away

114. The bird _____ on the branch, watching the world below.

- v.* to sit, stand, or rest on something, particularly a narrow or elevated surface; to position oneself confidently or dominantly; to place something in a high or elevated position; (noun) a branch or other elevated place where a bird can rest or roost

115. He felt a _____ of disgust.

- n.* a very small hole in something, especially made by a pin or needle; a minor annoyance

116. He did _____ pen-and-ink drawings in just a few days.

- adj.* involving a lot of different things or parts in a way that is difficult to understand or analyze

117. The military _____ between the two armies was one for the history books.

- n.* a long and eventful or heroic history, story, poem, or film; (adjective) very imposing or impressive

118. I need to finish this report by tonight, so I'll be working on my _____ all day.

- n.* a portable computer that is small enough to be carried around easily and used on your lap

119. She _____ the envelope to seal it before mailing it.

- v.* to pass the tongue over something to moisten, taste, or eat

ANSWERS: 112. capture, 113. afar, 114. perched, 115. pinprick, 116. complicated, 117. epic, 118. laptop, 119. licked

120. We are motivated by _____ rather than necessity.

n. a strong desire to know or learn about something

121. The Milky Way _____ has numerous water-bearing planets.

n. an independent group of stars, interstellar gas, dark matter, etc., in the universe, bound together by gravity

122. We can evaluate the performance of an _____ in terms of computation time.

n. a set of rules or rigorous instructions typically used to solve a specific problem or to perform a computation

123. I _____ in the cold winter air as I wait for the train.

v. to shake or quiver with cold, fear, or excitement; to tremble or vibrate rapidly

124. The wallpaper had a pattern of pink _____ on a white surface.

n. a very small circular mark, especially one that is printed

125. I was sweating at every _____.

n. a tiny hole in the skin of people or other animals that sweat can pass through; (verb) to read carefully or study attentively

126. Her sudden _____ drew everyone's attention.

n. a sudden outcry or shout, especially one expressing strong emotion

127. The findings of the experiment were both _____ and unexpected.

adj. causing a lot of interest or excitement

128. Launching an artificial _____ contributed to the technological development of our country.

n. an electronic device that is sent up into space and moves around the Earth or another planet, used for gathering information or communicating by radio, television, etc.

ANSWERS: 120. curiosity, 121. galaxy, 122. algorithm, 123. shiver, 124. dots, 125. pore, 126. exclamation, 127. exciting, 128. satellite

129. What do you _____ the culprit's motive was?
v. to think that something is likely to be actual or possible
130. They watched the train _____ into the distance.
v. to cease to exist or be visible
131. When I asked my father for more money, he became furious and _____ at me.
v. to shout in a sudden and loud way
132. The building was _____ in the fire and had to be rebuilt.
v. to ruin or damage severely or completely; to eradicate or eliminate completely
133. The ___ light made it difficult to read the book.
adj. poorly lit; not bright
134. Their headquarters are in a _____ skyscraper.
adj. of or belonging to the present time or recent times
135. The news of her sudden death was _____ to everyone who knew her.
adj. surprising or shocking; difficult to believe
136. He drinks an _____ amount of beer.
adj. beyond belief or understanding and extremely surprising

ANSWERS: 129. suppose, 130. disappear, 131. yelled, 132. destroyed, 133. dim, 134. modern, 135. astonishing, 136. unbelievable