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Raffaello D'Andrea: The astounding athletic power of quadcopters | TED Talk

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

All Words

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Session 1: Word List

athletics

n. the physical activities or sports that involve physical exertion and competition, such as running, jumping, throwing, or walking

synonym : sports, physical activity, exercise

(1) high school **athletics**, (2) professional **athletics**

She excelled in **athletics** during high school and went on to compete at the collegiate level.

demonstrate

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

synonym : show, illustrate, display

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

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

concept

n. an idea or principle associated with something abstract

synonym : idea, notion, vision

(1) learn new **concepts**, (2) **concept** car

One such rapidly growing **concept** is quantum cryptography.

achieve

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

synonym : accomplish, attain, reach

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

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

quadcopter

n. a type of drone that is driven by four rotors, which enable vertical takeoff and landing, hovering, and agile movement in multiple directions

synonym: drone, multicopter, aerial vehicle

(1) **quadcopter** camera, (2) DIY **quadcopter** kit

The **quadcopter** drone can take aerial photographs from a great height.

quad

n. (short for quadrangle) a square or rectangular open area or courtyard, often surrounded by buildings or used for recreational or social purposes

synonym: quadrangle, square, block

(1) **quad** room, (2) **quad** biking

We met at the campus **quad** to study for our upcoming exams.

mechanical

adj. operated by a machine, relating to or concerned with machinery or tools

synonym: machinelike, automated, automatic

(1) a **mechanical** style of writing, (2) the influence of **mechanical** action

A **mechanical** engineer is still in demand in many companies.

propeller

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

synonym: prop, rotor, fan

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

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

roll

v. to move in a particular direction by turning over and over or from side to side

synonym : spin, swirl, wheel

(1) **roll** a ball, (2) **roll** down his cheeks

He was exhausted and **rolled** into bed as soon as he got home.

pitch

n. the property of sound that varies with variation in the frequency of vibration; the degree of a slope, especially of a roof; short presentation for selling or sharing something

synonym : angle, gradient, slope

(1) make a **pitch** for a new product, (2) a low- **pitched** sound

Her voice gradually increased in **pitch**.

yaw

v. to turn or deviate from a straight course, especially as a result of wind or current; to swerve or veer off course to one side; (noun) a rotation or deviation of an object, usually an aircraft, boat, or vehicle, around its vertical axis

synonym : swerve, veer, deviate

(1) **yaw** off course, (2) **yaw** movement

The pilot needed to **yaw** the plane slightly to avoid colliding with another aircraft.

accelerate

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

synonym : speed up, quicken, rev

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

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

orientation

n. a person's basic attitudes, beliefs, and preferences about particular things; a course introducing a new situation or environment

synonym : direction, introduction, frontage

(1) sexual **orientation**, (2) the school **orientation**

There will be an **orientation** lecture for new students this

afternoon.

battery

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

synonym : electric cell, array, batch

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

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

wireless

adj. of or relating a connection or communication that does not require a physical wire or cable, often through the use of radio waves or electromagnetic signals

synonym : cordless, radio

(1) **wireless** access, (2) **wireless** charging

The office's **wireless** network allows employees to work from anywhere in the building.

agile

adj. able to move quickly and easily, often in a way that is graceful and controlled

synonym : nimble, quick, flexible

(1) an **agile** mind, (2) **agile** in his movements

The **agile** development process allowed the team to make changes quickly.

agility

n. the ability to move quickly and easily, often in a way that is graceful and controlled

synonym : nimbleness, quickness, dexterity

(1) ninja-like **agility**, (2) **agility** training

The coach had the team run through the **agility** ladder to improve their coordination.

inherent

adj. existing in something as a permanent, essential, or characteristic attribute

synonym : intrinsic, natural, innate

(1) **inherent** risk, (2) have an **inherent** dislike

Honesty is an **inherent** quality that everyone should strive to possess.

unstable

adj. lacking solidity, persistence, or firmness and therefore not strong, safe, or likely to continue; lacking control of one's emotions

synonym : shaky, unbalanced, inconsistent

(1) mentally **unstable**, (2) **unstable** weather

The tower proved to be **unstable** in the high wind.

automatic

adj. able to work or operate with little or no direct human control; independent of external control

synonym : mechanical, robotic, intuitive

(1) **automatic** operation, (2) the **automatic** shrinking of the pupils

In passenger aircraft, it is common to use an **automatic** pilot during cruising.

ceiling

n. a room's top interior surface

synonym : canopy, awning, shelter

(1) **ceiling** board, (2) **ceiling** light

There was a crack in the **ceiling** that I found.

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.

indoor

adj. located, happened, or used inside a building

(1) an **indoor** pool, (2) designed for **indoor** use

Table tennis is an **indoor** sport.

locate

v. to specify or determine the exact position of someone or something

synonym : discover, find, place

(1) **locate** a missing pet, (2) **locate** a tumor

The robot can accurately **locate** construction material.

estimate

v. to guess or calculate the cost, size, value, etc. of something

synonym: calculate, gauge, evaluate

(1) **estimate** a fair value, (2) **estimate** this chicken to weigh three pounds

We **estimated** the season's total trade deficit at \$50 billion.

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.

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.

bulk

n. the quantity or size of something that is very large; the main part of something

synonym: majority, largeness, amount

(1) buy in **bulk**, (2) **bulk** data transfer

I received a parcel of great **bulk**.

magic

n. beliefs and actions employed to influence supernatural beings and forces; any art or performance that invokes supernatural powers

synonym: fascination, illusion, wizardry

(1) a **magic** spell, (2) she is **magic**

He performed **magic** tricks with sophisticated moves.

athlete

n. a person who competes in one or more sports that involve physical strength, speed, or endurance

synonym : player, contestant, jock

(1) become a professional **athlete**, (2) high school **athletes**

His dream is to become an Olympic **athlete**.

broad

adj. very wide; general

synonym : wide, expansive, comprehensive

(1) attract **broad** attention, (2) a **broad** mind

He accumulated wealth across a **broad** spectrum of assets.

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.

physics

n. the science of matter and energy and their interactions

(1) nuclear **physics**, (2) laws of **physics**

He studied the **physics** of radiation.

mathematics

n. the science dealing with the logic of quantities, shapes, spaces, and arrangement

synonym : arithmetic, calculation, calculus

(1) a good grounding in **mathematics**, (2) **mathematics** competition

He has a flair for **mathematics**.

branch

n. a division of a tree or woody shrub that grows out from the trunk or a main stem; a division of some larger or more complex organization

synonym : limb, twig, bough

(1) **branch** office, (2) a **branch** pipe

The **branch** of the tree had fallen and blocked the road.

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.

synthesize

v. to combine a substance to make a more complex product or compound

synonym : incorporate, amalgamate

(1) **synthesize** molecules, (2) **synthesize** information

The spider can **synthesize** multiple different silk proteins.

hover

v. to stay in one place in the air

synonym : hang, float over, drift

(1) **hover** between life and death, (2) **hover** around the table

Two birds were **hovering** overhead.

dynamics

n. the branch of mechanics that deals with the motion of bodies under the action of forces, including the particular case in which a body remains at rest; forces that produce or stimulate movement, growth, or change

synonym : mechanics, kinetics, kinematics

(1) **dynamics** of group, (2) **dynamics** of economy

The relationship **dynamics** between the two countries were complex and constantly changing.

equation

n. the act of regarding as equal; (mathematics) a statement that expresses the equality of two expressions by connecting them with the equals sign

(1) the **equation** of poverty with ignorance, (2) a chemical **equation**

In this class, you will learn how to solve quadratic **equations**.

manipulate

v. to influence or control something or someone to your advantage, often in an unfair or dishonest way

synonym : control, exploit, abuse

(1) **manipulate** figures, (2) vulnerable to **manipulate**
Please tell me how to **manipulate** this computer.

stabilize

v. to become or cause to become steady or unlikely to give way

synonym : brace, steady, secure

(1) **stabilize** prices, (2) **stabilize** blood sugar levels

The raising of interest rates **stabilizes** the inflation rate.

strength

n. the quality or state of being physically, or sometimes mentally, strong

synonym : resilience, power, muscles

(1) **strength** of the economy, (2) muscular **strength**

Health and **strength** are, above all, gold.

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?

balance

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

synonym : equilibrium, counterpoise, remainder

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

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

pole

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

synonym : rod, staff, shaft

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

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

straightforward

adj. easy to do or understand, or simple; free from ambiguity
synonym : honest, candid, forthright

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

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

advantage

n. a condition or circumstance that puts one in a favorable or superior position; a beneficial feature or asset that someone or something has

synonym : benefit, edge, asset

(1) score an **advantage**, (2) take **advantage** of his weak points

One of the main **advantages** of the new product is its increased efficiency.

versatile

adj. able to do many things in different fields; having many talents

synonym : adaptable, protean, universal

(1) provide a **versatile** solution, (2) a **versatile** writer
He's a **versatile** actor who has acted in various parts.

adjustment

n. a small change or movement made to something to improve it and achieve the desired result

synonym : alteration, adaptation, modification

(1) **adjustment** by hand, (2) a fine **adjustment**

He assumed the role of the arbitral **adjustment** of the controversy.

balanced

adj. taking all sides or opinions into account equally; being in a state of proper equilibrium

synonym : equitable, congruous, flat

(1) a **balanced** diet, (2) a well- **balanced** mind

We conducted a **balanced** assessment of intellectual and cultural history.

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.

stable

adj. firm and steady; not easily moved, disturbed, or changed

synonym: sturdy, unmoving, durable

(1) in **stable** condition, (2) have a **stable** job

Relations between the two countries have been relatively **stable** due to the summit meeting.

nudge

v. to push someone or something gently, especially with your elbow, to attract the person's attention; (noun) a small push or prod to encourage a desired action or behavior

synonym: bump, elbow, (noun) prod

(1) **nudge** price levels up, (2) give a person a **nudge**

The teacher **nudged** the student to get his attention and asked him a question.

augment

v. to increase the size, extent, quantity, etc. of something by adding something to it

synonym: boost, increase, expand

(1) **augment** the reality, (2) **augment** immunity

Economic factors and monetary policy **augmented** inflation.

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.

acrobatic

adj. relating to or involving gymnastic or athletic feats performed with agility, balance, and coordination; agile, flexible, and graceful

synonym : nimble, agile, flexible

(1) **acrobatic** leaps, (2) **acrobatic** skills

The **acrobatic** performance was breathtaking and left the audience in awe.

maneuver

n. a motion or combination of moves that requires skill and care; a clever strategy, activity, or movement intended to give someone an advantage

synonym : gimmick, trick, action

(1) political **maneuvers**, (2) made a great **maneuver**

In this class, we learn the basic **maneuver** of the plane.

importance

n. the quality of being important and worthy of note

synonym : significance, primacy, matter

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

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

altitude

n. the height of an object or point in relation to sea level or ground level

synonym : height, elevation, tallness

(1) the meridian **altitude**, (2) low **altitude**

The plane flew at a high **altitude** to avoid turbulence.

gravity

n. the force that attracts a body towards the center of the earth or towards any other physical body having mass; a manner that is solemn

synonym : heaviness, attraction, weight

(1) the attraction of **gravity**, (2) preserve my **gravity**

The astronaut felt weightless in space due to the absence of **gravity**.

dominate

v. to have or control a lot of power and influence over somebody or something

synonym : govern, rule, prevail

(1) **dominate** possession, (2) **dominate** over the weak
The perspective of his right brain **dominates** his consciousness.

aerodynamics

n. the study of the motion of air, particularly its interaction with solid objects moving through it, such as aircraft or cars

synonym : aeromechanics, aeronautics, airflow

(1) **aerodynamics** research, (2) **aerodynamics** design
The **aerodynamics** of the car allowed it to glide smoothly through the air.

negligible

adj. so small or insignificant as to be not worth considering; negligible amounts or effects are too minor or unimportant to have any major impact

synonym : insignificant, trivial, minor

(1) **negligible** impact, (2) a **negligible** amount of time
The cost of the repairs was **negligible** compared to the value of the antique car.

naturally

adv. as might be expected; by natural manners

synonym : by nature, inherently, intrinsically

(1) **naturally** arising, (2) **naturally** regenerated forest
He was **naturally** gifted.

spill

v. to cause or allow liquid to run or flow over the edge of its container by accident

synonym : slop, drop, scatter

(1) **spill** a bit of wine, (2) **spill** my heart
He was determined to **spill** everything.

instance

n. a particular example or single occurrence of something

synonym : example, sample, illustration

(1) for **instance**, (2) notable **instance**
These articles cite five **instances** of climate change.

- feat** *n.* a notable or impressive achievement, especially one that requires great skill or bravery
synonym: achievement, accomplishment, exploit
(1) intellectual **feat**, (2) **feat** accomplishment
It is an incredible **feat** to climb Mount Everest, the highest mountain in the world.
- physically** *adv.* in a way related to a person's body or appearance rather than their mind
(1) **physically** and mentally, (2) stay **physically** fit
Having a **physically** healthy physique is essential for a great life.
- injury** *n.* harm done to a person's or an animal's body caused by an accident or an attack
synonym: wound, damage, hurt
(1) without **injury**, (2) a fatal **injury**
My accidental **injury** got better right away.
- extreme** *adj.* very great in amount or degree
synonym: farthest, outermost, fierce
(1) **extreme** sports, (2) **extreme** weather events
Solar gravity creates **extreme** pressures and temperatures.
- damage** *v.* to harm or cause injury to something or someone, often resulting in decreased value or functionality; to impair or negatively affect something, such as a reputation or relationship; (noun) harm or injury that is caused to a person, thing, or entity
synonym: harm, impair, injure
(1) **damage** a relationship, (2) **damage** assessment
During the surgery, the doctor had to be extremely cautious not to **damage** a blood vessel.
- conventional** *adj.* based on or following traditional rules, standards, customs, etc.
synonym: ancestral, customary, established

(1) a **conventional** style, (2) get a **conventional** loan
She is very **conventional** in her thoughts.

wisdom

n. the quality of being wise, or the ability to use your knowledge and experience to make sensible decisions
synonym: sagacity, discernment, insight

(1) a fountain of **wisdom**, (2) **wisdom** literature
The community greatly respected and sought after the older adult's **wisdom**.

motor

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

(1) a **motor** mechanic, (2) DC **motor** control
Energy-efficient **motors** are needed to maximize the cruising distance of electric vehicles.

degree

n. a unit of measurement for angles, temperature, or level of proficiency or achievement; a rank or level of academic or professional attainment
synonym: level, qualification, diploma

(1) bachelor's **degree**, (2) **degree** centigrade
She received her **degree** in psychology from the university.

acceleration

n. a rate of increase in velocity; the rate of change of velocity with respect to time
synonym: speed up, quicken, hastening

(1) a unit of **acceleration**, (2) **acceleration** of an object
The car's **acceleration** was impressive, going from 0 to 60 mph in just 5 seconds.

octocopter

n. a type of uncrewed, remote-controlled aerial vehicle or drone that is powered by eight electric motors and uses rotors to achieve vertical takeoff and landing, as well as maneuvering in various directions
synonym: drone, multicopter, UAV

(1) aerial **octocopter**, (2) six-rotor **octocopter**

The **octocopter** drone can hover and shoot stable aerial footage.

redundancy

n. the state of being unnecessary, especially through being able to be replaced by something else

synonym: surplus, excess, overabundance

(1) eliminate **redundancy**, (2) **redundancy** payment

The company had to let go of some employees due to **redundancy**.

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**.

unconventional

adj. not following traditional or commonly accepted beliefs, practices, or customs; not conforming to established norms or standards

synonym: nontraditional, avant-garde, bizarre

(1) in an **unconventional** manner, (2) **unconventional** ideas

Her **unconventional** approach to teaching has been a hit with the students.

relinquish

v. to give up power, control, or possession

synonym: surrender, give up, abandon

(1) **relinquish** control, (2) **relinquish** all hope

She decided to **relinquish** her role as the leader of the group.

exploit

v. to make full use of and gain an advantage from resources, opportunities, etc.

synonym: use, abuse, control

(1) **exploit** a security hole, (2) **exploit** a valuable opportunity

We **exploit** our mining resources to strengthen our national power.

configuration

n. the arrangement or pattern of something or a group of related things

synonym: arrangement, composition, formatting

(1) **configuration** of the system, (2) engine **configuration**

The **configuration** of molecules in steel changes significantly with temperature.

novel

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

synonym: fiction, story, (adjective) innovative

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

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

architecture

n. the art and science of designing and constructing buildings

synonym: design, structure, layout

(1) **architecture** design, (2) classic **architecture**

The city is known for its impressive **architecture** and beautiful old buildings.

grace

n. a quality of being pleasing, especially in appearance or manner; a temporary exemption, especially an extended period granted as a special favor; a short prayer of thanks before a meal

synonym: charm, poise, elegance

(1) say a **grace**, (2) end of the **grace** period

The old oak tree stood with **grace** and majesty in the park's center.

handle

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

synonym: control, manage, deal with

(1) **handle** a precious object, (2) **handled** the incident
We all should learn how to **handle** stress.

breath

n. the air that is taken into and expelled from your lungs; the process of taking into and expelling air from your lungs

synonym: air, puff, whiff

(1) hold your **breath**, (2) **breath** of wind

He bated his **breath** when talking about this affair.

diver

n. a person who dives, especially one who does so professionally or as a sport; a bird that dives into the water to catch fish or other prey

synonym: plunger, frogman, loon

(1) professional **diver**, (2) deep-sea **diver**

The search and rescue team sent a team of **divers** to search for the missing plane wreckage.

somersault

n. a complete forward or backward roll of the body, typically performed by tucking in the head and reaching out with the hands and feet

synonym: flip, tumble, cartwheel

(1) **somersault** flip, (2) backward **somersault**

The gymnast performed a perfect **somersault** during her routine.

vault

n. a large room or chamber used for storage, often for valuables such as money, documents, or artwork; (verb) to leap or jump over something; to move quickly or suddenly

synonym: safe, strongbox, coffer

(1) **vault** door, (2) **vault** from five to fifty percent

The government **vault** contains top-secret documents and classified information that only a few individuals can access.

twist

v. to bend or turn something into a certain shape

synonym: wrench, turn, twirl

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

rip v. to tear something or be torn violently or suddenly
synonym: tear, cut, slit

(1) **rip** a notebook apart, (2) **rip** a hole in the roof
During transit, the stuff may **rip** off the luggage tag.

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.

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

synonym: threefold

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

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

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.

spot *n.* a particular location or place; a small round or roundish
area, differing in color or feels from the surface around it

synonym: dot, mark, place

(1) beauty **spot**, (2) a **spot** on his honor

This remote **spot** is rarely visited.

execution

n. the act or process of carrying out a plan, order, or course of action; the act or process of carrying out the death penalty

synonym : carrying out, implementation, completion

(1) compulsory **execution**, (2) **execution** by injection

The **execution** of the plan was flawless, resulting in a record-breaking profit for the company.

blind

adj. unable to see; unable or unwilling to perceive or understand the true nature of something

synonym : sightless, unseeing, random

(1) **blind** to the beauties, (2) **blind** spot

She was nearly **blind** due to severe diabetes.

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.

modify

v. to change something slightly, such as a plan, option, law, etc., especially to make it more suitable for a particular purpose

synonym : adjust, alter, revise

(1) genetically **modify** food, (2) **modify** my behavior

We use adverbs to **modify** verbs and adjectives.

execute

v. to kill someone, especially as a legal punishment; to carry out or perform an action, duty, etc.

synonym : direct, conduct, enforce

(1) **execute** a bold strategy, (2) **execute** a double play

The mafioso who collaborated with the police was **executed**.

striking

adj. attractive and distinctive enough to draw notice; exceedingly appealing, frequently in an odd manner

synonym : arresting, astonishing, exceptional

(1) **striking** innovation, (2) **striking** evidence

The two plays have many **striking** parallels.

racket

n. a loud and unpleasant noise that is often repeated or sustained over a period of time; a tool or implement used in various leisure activities or sports, such as tennis or badminton

synonym : dissonance, noise, paddle

(1) make a **racket**, (2) badminton **racket**

The sound of shelves crashing to the floor created a terrible **racket** in the grocery store.

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.

roughly

adv. approximately but not precisely; with a violent manner

synonym : approximately, more or less, around

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

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

calculation

n. the act or process of using numbers to judge an amount of something

synonym : analysis, computation, estimate

(1) make a **calculation**, (2) **calculation** of loss and gain

The error in the **calculation** was attributable to rounding.

calculate

v. to judge or find out the amount or number of something by using mathematics

synonym: compute, figure, estimate

(1) **calculate** the distance, (2) **calculate** his credit score

He couldn't **calculate** the actual value of the artwork.

trajectory

n. the curved path followed by an object moving through space

synonym: course, curve, orbit

(1) career **trajectory**, (2) a **trajectory** missile

The company has shown an excellent growth **trajectory** over the years.

strategy

n. a detailed plan of action designed to achieve a long-term or overall goal.

synonym: approach, procedure, scenario

(1) military **strategy**, (2) develop a **strategy**

Our plan includes a comprehensive marketing **strategy**.

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.

strike

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

synonym: hit, impact, influence

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

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

dynamic

adj. having a lot of energy, ideas, and enthusiasm, and a strong personality; of or relating to dynamics (= the branch of physics and engineering concerned with the forces that cause motions of bodies)

synonym : energetic, active, vital

(1) a **dynamic** market, (2) **dynamic** person

The sprinter has a **dynamic** way of running.

cooperative

adj. involving doing something jointly or working with others to achieve a common goal

synonym : harmonious, collegial, helpful

(1) **cooperative** savings, (2) fishing **cooperative**

We appreciate your **cooperative** efforts.

launch

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

synonym : start, initiate, begin

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

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

extension

n. a thing that is added to something to make it longer, larger, or wider; an educational opportunity provided by colleges and universities to people who are not enrolled as regular students; an additional telephone set that is connected to the same telephone line

synonym : addition, augment, supplement

(1) time **extension**, (2) telephone **extension**

They are building an **extension** to the house to add more bedrooms.

vertical

adj. upright or perpendicular to a horizontal surface or line

synonym : perpendicular, upright, plumb

(1) **vertical** takeoff, (2) **vertical** axis

The ladder leaned against the **vertical** surface of the building.

extended

adj. longer than usual or anticipated

synonym : extensive, prolonged, elongated

(1) **extended** vacation, (2) **extended** payment

The **extended** airport runways may accommodate larger jets.

bungee

n. a strong, elastic cord or rope used to leap or dive from a height, typically while attached to a harness or other safety equipment, providing a thrilling experience or a means of controlled descent

synonym : elastic cord, safety harness, cord with hooks

(1) **bungee** harness, (2) **bungee** cord

They set up a **bungee** jump attraction at the amusement park to attract thrill-seekers.

continuously

adv. without being interrupted or paused; repeatedly

synonym : constantly, frequently, always

(1) use one thing **continuously**, (2) **continuously** removed

The country's domestic coal consumption has been **continuously** declining for decades.

commerce

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

synonym : trade, transaction, dealings

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

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

gesture

n. a movement of the hands, head, or face that express a particular meaning

synonym : motion, expression, gesticulation

(1) **gesture** of goodwill, (2) hand **gesture**

She made a facial **gesture** to express disagreement.

recognize

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

synonym : acknowledge, identify, admit

(1) **recognize** talent, (2) **recognize** achievement
It's important to **recognize** your strengths and weaknesses.

interact

v. to communicate or react with somebody

synonym: cooperate, combine, collaborate

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

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

interaction

n. the act of connecting with someone, mainly when working, playing, or spending time with them

synonym: dealings, exchange, relations

(1) the **interaction** between man and his environment,
(2) **interaction** among human beings

The **interaction** of the two groups is good for brainstorming.

virtual

adj. being actually such in almost every respect; existing in essence or effect though not in actual fact

synonym: practical

(1) a **virtual** image, (2) trading of **virtual** currencies

She is the **virtual** president of the company.

viscous

adj. having a thick, sticky consistency between solid and liquid; exhibiting resistance to flow

synonym: thick, syrupy, gooey

(1) **viscous** flow, (2) highly **viscous** substance

The **viscous** liquid poured slowly from the jar.

fluid

n. a substance that can flow and is not solid

synonym: liquid, aqua, sap

(1) plenty of **fluids**, (2) **fluid** assets

She was diagnosed with a **fluid** buildup in her lungs.

intimate

adj. having a very close friendship, personal

synonym: close, tight, friendly

(1) my **intimate** affairs, (2) **intimate** relationship

He has an **intimate** knowledge of American history.

appropriate

adj. suitable or proper in the circumstances; fitting
synonym : fitting, suitable, proper

(1) **appropriate** behavior, (2) an **appropriate** time

It would be **appropriate** to dress nicely for the wedding.

remainder

n. the part of something that is left over when the rest has been used or taken

synonym : balance, leftover, residue

(1) division with **remainder**, (2) the **remainder** of my life

The **remainder** of the cake was put in the fridge for tomorrow.

demonstration

n. a display or show, often of a particular skill or product, intended to convince or persuade others

synonym : manifestation, presentation, show

(1) **demonstration** project, (2) a campus **demonstration**

Thousands of people attended the protest **demonstration** against the proposed policy.

initially

adv. at the beginning; at first

synonym : originally, primarily, firstly

(1) **initially** anticipated, (2) diagnosed **initially** as a tumor

This train departed later than **initially** scheduled.

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.

conjecture

n. an opinion or conclusion formed based on incomplete information; a theory or speculation that is unsupported by firm evidence or proof

synonym : theory, guess, speculation

(1) **conjecture** theory, (2) scientific **conjecture**

There was much **conjecture** about the cause of the fire, but the investigation is still ongoing.

kingdom

n. the country ruled by a king or queen

synonym: empire, realm, land

(1) establish his **kingdom**, (2) a subordinate **kingdom**

By remaining neutral, this **kingdom** continued to exist.

develop

v. to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created

synonym: evolve, progress, advance

(1) **develop** a strategy, (2) **develop** a skill

We must **develop** a new system to streamline our workflow and increase efficiency.

bind

v. to tie or fasten someone or something tightly with rope, string, etc. so that they cannot move or are held together strongly

synonym: tie, stick to, adhere

(1) **bind** the man's hands, (2) **bind** old letters into a bundle

The company's rules **bind** the employee's working hours.

similarly

adv. in almost the same way

synonym: also, likewise, ditto

(1) **similarly** situated, (2) have **similarly** great abilities

We argue that wages for temporary workers should **similarly** rise.

analogy

n. a comparison between similar things that have similar aspects, often used to help explain a principle or concept

synonym: metaphor, comparison, parallel

(1) draw **analogy**, (2) historical **analogy**

Some kinds of machine learning models show an **analogy** to how people learn.

innovation

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

synonym: invention, initiation, creation

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

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

improve

v. to make or become better

synonym: enhance, ameliorate, enrich

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

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

misuse

n. the act of using something in an unsuitable way or for the wrong purpose

synonym: abuse, misemployment, mishandling

(1) the **misuse** of company money, (2) protect the database from **misuse**

Drug **misuse** is associated with mental health disorders.

abuse

n. the use of something in an incorrect or harmful manner

synonym: misuse, misconduct, vilification

(1) the problem of drug **abuse**, (2) victim of sexual **abuse**

Our company has an audit team that monitors directors for **abuse** of authority.

introduction

n. a preliminary explanation or remarks given before the start of a text, performance, or event; the act of bringing something new into existence or introducing something to a wider audience or new market

synonym: initiation, preamble, prologue

(1) **introduction** education, (2) self- **introduction**

The **introduction** to the new class was informative and engaging.

wizard

n. a person who is skilled in magic or a particular technical field

synonym: sorcerer, magician, alchemist

(1) a **wizard** at chess, (2) financial **wizard**

He was a **wizard** at solving complex mathematical equations.

arena

n. a large, flat area, often circular or oval-shaped, designed to showcase theatre, musical performances, or sporting events

synonym: stadium, theatre, auditorium

(1) indoor **arena**, (2) political **arena**

The company is planning to build a 20,000-seat **arena** with a retractable roof.

mull

v. to think over carefully; to consider or ponder; to mix or stir thoroughly

synonym: ponder, contemplate, meditate

(1) **mull** ways to retaliate, (2) **mull** a decision

I need to **mull** over the job offer before making a decision.

robin

n. a small bird from the thrush family, typically having a red breast and found across Europe, Asia, and North America

synonym: thrush, red-breast, redbird

(1) **robin** eggs, (2) **robin's** nest

I love listening to the cheerful song of the **robin** in my garden.

destine

v. to determine or set the course of something in advance, often in a way that seems predetermined or inevitable; to specify or choose someone or something for a particular fate or outcome

synonym: ordain, doom, predestine

(1) **destine** us to meet again, (2) be **destined** to become a great artist

Some people believe that we are all **destined** for greatness.

Session 2: Spelling

1. a tr___e mirror *adj.* consisting of three items or people; three times as great or many
2. historical an____y *n.* a comparison between similar things that have similar aspects, often used to help explain a principle or concept
3. aerial oct_____er *n.* a type of uncrewed, remote-controlled aerial vehicle or drone that is powered by eight electric motors and uses rotors to achieve vertical takeoff and landing, as well as maneuvering in various directions
4. de____p a strategy *v.* to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created
5. high school at_____cs *n.* the physical activities or sports that involve physical exertion and competition, such as running, jumping, throwing, or walking
6. wi____ss charging *adj.* of or relating a connection or communication that does not require a physical wire or cable, often through the use of radio waves or electromagnetic signals
7. con_____ion of the system *n.* the arrangement or pattern of something or a group of related things

ANSWERS: 1. triple, 2. analogy, 3. octocopter, 4. develop, 5. athletics, 6. wireless, 7. configuration

8. 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
9. lo___e a tumor *v.* to specify or determine the exact position of someone or something
10. st_____ze blood sugar levels *v.* to become or cause to become steady or unlikely to give way
11. con_____sly removed *adv.* without being interrupted or paused; repeatedly
12. plenty of fl__ds *n.* a substance that can flow and is not solid
13. a unit of acc_____ion *n.* a rate of increase in velocity; the rate of change of velocity with respect to time
14. syn_____ze information *v.* to combine a substance to make a more complex product or compound
15. a br___h pipe *n.* a division of a tree or woody shrub that grows out from the trunk or a main stem; a division of some larger or more complex organization
16. va__t from five to fifty percent *n.* a large room or chamber used for storage, often for valuables such as money, documents, or artwork; (verb) to leap or jump over something; to move quickly or suddenly
17. ac_____ic skills *adj.* relating to or involving gymnastic or athletic feats performed with agility, balance, and coordination; agile, flexible, and graceful

ANSWERS: 8. command, 9. locate, 10. stabilize, 11. continuously, 12. fluid, 13. acceleration, 14. synthesize, 15. branch, 16. vault, 17. acrobatic

18. 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
19. trading of vi_____l currencies *adj.* being actually such in almost every respect; existing in essence or effect though not in actual fact
20. st_____ze prices *v.* to become or cause to become steady or unlikely to give way
21. ex_____e weather events *adj.* very great in amount or degree
22. in_____te relationship *adj.* having a very close friendship, personal
23. the ba_____e of power *n.* a condition in which everything has the same weight or force; something left after other parts have been taken away
24. y_w movement *v.* to turn or deviate from a straight course, especially as a result of wind or current; to swerve or veer off course to one side; (noun) a rotation or deviation of an object, usually an aircraft, boat, or vehicle, around its vertical axis
25. bring my la___p *n.* a portable computer that is small enough to be carried around easily and used on your lap
26. ag_____y training *n.* the ability to move quickly and easily, often in a way that is graceful and controlled
27. st_____ng evidence *adj.* attractive and distinctive enough to draw notice; exceedingly appealing, frequently in an odd manner

ANSWERS: 18. planet, 19. virtual, 20. stabilize, 21. extreme, 22. intimate, 23. balance, 24. yaw, 25. laptop, 26. agility, 27. striking

28. ag__e in his movements *adj.* able to move quickly and easily, often in a way that is graceful and controlled
29. int_____on among human beings *n.* the act of connecting with someone, mainly when working, playing, or spending time with them
30. professional at_____cs *n.* the physical activities or sports that involve physical exertion and competition, such as running, jumping, throwing, or walking
31. give a person a nu__e *v.* to push someone or something gently, especially with your elbow, to attract the person's attention; (noun) a small push or prod to encourage a desired action or behavior
32. un_____le weather *adj.* lacking solidity, persistence, or firmness and therefore not strong, safe, or likely to continue; lacking control of one's emotions
33. tr___e digits *adj.* consisting of three items or people; three times as great or many
34. su_____e you're right *v.* to think that something is likely to be actual or possible
35. a con_____nal style *adj.* based on or following traditional rules, standards, customs, etc.
36. the eq_____on of poverty with ignorance *n.* the act of regarding as equal; (mathematics) a statement that expresses the equality of two expressions by connecting them with the equals sign

ANSWERS: 28. agile, 29. interaction, 30. athletics, 31. nudge, 32. unstable, 33. triple, 34. suppose, 35. conventional, 36. equation

37. la__h a spaceship into orbit *v.* to send or propel something into the air or space using a device such as a rocket, missile, or spacecraft; to make something available or on sale for the first time
38. neg_____le impact *adj.* so small or insignificant as to be not worth considering; negligible amounts or effects are too minor or unimportant to have any major impact
39. q__d room *n.* (short for quadrangle) a square or rectangular open area or courtyard, often surrounded by buildings or used for recreational or social purposes
40. six-rotor oct_____er *n.* a type of uncrewed, remote-controlled aerial vehicle or drone that is powered by eight electric motors and uses rotors to achieve vertical takeoff and landing, as well as maneuvering in various directions
41. st_____th of the economy *n.* the quality or state of being physically, or sometimes mentally, strong
42. a ba_____ed diet *adj.* taking all sides or opinions into account equally; being in a state of proper equilibrium
43. ho__r around the table *v.* to stay in one place in the air
44. m__l a decision *v.* to think over carefully; to consider or ponder; to mix or stir thoroughly
45. vi_____s flow *adj.* having a thick, sticky consistency between solid and liquid; exhibiting resistance to flow

ANSWERS: 37. launch, 38. negligible, 39. quad, 40. octocopter, 41. strength, 42. balanced, 43. hover, 44. mull, 45. viscous

46. st___e up a conversation *v.* to wallop somebody or something with the hand, fist, or weapon; to have an emotional or cognitive impact upon
47. without in___y *n.* harm done to a person's or an animal's body caused by an accident or an attack
48. asset on the company's ba_____e sheet *n.* a condition in which everything has the same weight or force; something left after other parts have been taken away
49. dem_____te a difference *v.* to display something or give an exhibition to an interested audience
50. sp___l my heart *v.* to cause or allow liquid to run or flow over the edge of its container by accident
51. laws of ph_____s *n.* the science of matter and energy and their interactions
52. int_____ion education *n.* a preliminary explanation or remarks given before the start of a text, performance, or event; the act of bringing something new into existence or introducing something to a wider audience or new market
53. make a cal_____on *n.* the act or process of using numbers to judge an amount of something
54. the re_____er of my life *n.* the part of something that is left over when the rest has been used or taken
55. a fine adj_____nt *n.* a small change or movement made to something to improve it and achieve the desired result

ANSWERS: 46. strike, 47. injury, 48. balance, 49. demonstrate, 50. spill, 51. physics, 52. introduction, 53. calculation, 54. remainder, 55. adjustment

56. the meridian al_____de *n.* the height of an object or point in relation to sea level or ground level
57. a good grounding in mat_____cs *n.* the science dealing with the logic of quantities, shapes, spaces, and arrangement
58. high imp_____ce *n.* the quality of being important and worthy of note
59. ninja-like ag_____y *n.* the ability to move quickly and easily, often in a way that is graceful and controlled
60. military st_____gy *n.* a detailed plan of action designed to achieve a long-term or overall goal.
61. na_____ly regenerated forest *adv.* as might be expected; by natural manners
62. ex_____on by injection *n.* the act or process of carrying out a plan, order, or course of action; the act or process of carrying out the death penalty
63. b__k data transfer *n.* the quantity or size of something that is very large; the main part of something
64. ex_____e a bold strategy *v.* to kill someone, especially as a legal punishment; to carry out or perform an action, duty, etc.
65. de_____e us to meet again *v.* to determine or set the course of something in advance, often in a way that seems predetermined or inevitable; to specify or choose someone or something for a particular fate or outcome

ANSWERS: 56. altitude, 57. mathematics, 58. importance, 59. agility, 60. strategy, 61. naturally, 62. execution, 63. bulk, 64. execute, 65. destine

66. 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
67. rel_____sh control *v.* to give up power, control, or possession
68. con_____re theory *n.* an opinion or conclusion formed based on incomplete information; a theory or speculation that is unsupported by firm evidence or proof
69. a low-pi__hed sound *n.* the property of sound that varies with variation in the frequency of vibration; the degree of a slope, especially of a roof; short presentation for selling or sharing something
70. ex_____t a valuable opportunity *v.* to make full use of and gain an advantage from resources, opportunities, etc.
71. 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
72. 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

ANSWERS: 66. observe, 67. relinquish, 68. conjecture, 69. pitch, 70. exploit, 71. process, 72. stick

73. a dry ba____y *n.* a device that is placed inside a car, gadget, equipment, etc. and that provides electrical power to them
74. ca____e a glimpse *v.* to catch a person or an animal and confine them in an area which they cannot escape
75. she is ma__c *n.* beliefs and actions employed to influence supernatural beings and forces; any art or performance that invokes supernatural powers
76. sp__l a bit of wine *v.* to cause or allow liquid to run or flow over the edge of its container by accident
77. mentally un____le *adj.* lacking solidity, persistence, or firmness and therefore not strong, safe, or likely to continue; lacking control of one's emotions
78. stay phy____ly fit *adv.* in a way related to a person's body or appearance rather than their mind
79. na____ly arising *adv.* as might be expected; by natural manners
80. preserve my gr____y *n.* the force that attracts a body towards the center of the earth or towards any other physical body having mass; a manner that is solemn
81. my in____te affairs *adj.* having a very close friendship, personal
82. b__d the man's hands *v.* to tie or fasten someone or something tightly with rope, string, etc. so that they cannot move or are held together strongly

ANSWERS: 73. battery, 74. capture, 75. magic, 76. spill, 77. unstable, 78. physically, 79. naturally, 80. gravity, 81. intimate, 82. bind

83. dem_____te mastery *v.* to display something or give an exhibition to an interested audience
84. f__t accomplishment *n.* a notable or impressive achievement, especially one that requires great skill or bravery
85. tw__t around to the left *v.* to bend or turn something into a certain shape
86. dem_____ion project *n.* a display or show, often of a particular skill or product, intended to convince or persuade others
87. st_____ng innovation *adj.* attractive and distinctive enough to draw notice; exceedingly appealing, frequently in an odd manner
88. r__l down his cheeks *v.* to move in a particular direction by turning over and over or from side to side
89. 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
90. ac_____e milestones *v.* to successfully complete a task or goal, often through hard work, perseverance, and dedication; to attain or accomplish something that one has set out to do
91. mo_____y my behavior *v.* to change something slightly, such as a plan, option, law, etc., especially to make it more suitable for a particular purpose

ANSWERS: 83. demonstrate, 84. feat, 85. twist, 86. demonstration, 87. striking, 88. roll, 89. strap, 90. achieve, 91. modify

92. buy in b__k *n.* the quantity or size of something that is very large; the main part of something
93. f__p over the pork chop *v.* to turn over into a different position quickly; to throw or toss with a light motion
94. aer_____ics design *n.* the study of the motion of air, particularly its interaction with solid objects moving through it, such as aircraft or cars
95. ex_____t a security hole *v.* to make full use of and gain an advantage from resources, opportunities, etc.
96. r__l a ball *v.* to move in a particular direction by turning over and over or from side to side
97. ro_____y speaking *adv.* approximately but not precisely; with a violent manner
98. the au_____ic shrinking of the pupils *adj.* able to work or operate with little or no direct human control; independent of external control
99. a wi___d at chess *n.* a person who is skilled in magic or a particular technical field
100. cutting-edge inn_____on *n.* the creation of a new device or process resulting from study and experimentation
101. 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

ANSWERS: 92. bulk, 93. flip, 94. aerodynamics, 95. exploit, 96. roll, 97. roughly, 98. automatic, 99. wizard, 100. innovation, 101. command

102. indoor ar__a *n.* a large, flat area, often circular or oval-shaped, designed to showcase theatre, musical performances, or sporting events
103. use one thing con_____sly *adv.* without being interrupted or paused; repeatedly
104. vulnerable to man_____te *v.* to influence or control something or someone to your advantage, often in an unfair or dishonest way
105. do_____te over the weak *v.* to have or control a lot of power and influence over somebody or something
106. dy_____c person *adj.* having a lot of energy, ideas, and enthusiasm, and a strong personality; of or relating to dynamics (= the branch of physics and engineering concerned with the forces that cause motions of bodies)
107. career tra_____ry *n.* the curved path followed by an object moving through space
108. learn new co_____ts *n.* an idea or principle associated with something abstract
109. som_____lt flip *n.* a complete forward or backward roll of the body, typically performed by tucking in the head and reaching out with the hands and feet
110. in st___e condition *adj.* firm and steady; not easily moved, disturbed, or changed
111. ex_____e sports *adj.* very great in amount or degree
112. 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

ANSWERS: 102. arena, 103. continuously, 104. manipulate, 105. dominate, 106. dynamic, 107. trajectory, 108. concept, 109. somersault, 110. stable, 111. extreme, 112. stick

113. 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
114. political ma_____ers *n.* a motion or combination of moves that requires skill and care; a clever strategy, activity, or movement intended to give someone an advantage
115. self-int_____ion *n.* a preliminary explanation or remarks given before the start of a text, performance, or event; the act of bringing something new into existence or introducing something to a wider audience or new market
116. ca_____te his credit score *v.* to judge or find out the amount or number of something by using mathematics
117. provide a ve_____le solution *adj.* able to do many things in different fields; having many talents
118. ex_____ed vacation *adj.* longer than usual or anticipated
119. la____h a big attack *v.* to send or propel something into the air or space using a device such as a rocket, missile, or spacecraft; to make something available or on sale for the first time
120. develop a st_____gy *n.* a detailed plan of action designed to achieve a long-term or overall goal.
121. 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

ANSWERS: 113. algorithm, 114. maneuver, 115. introduction, 116. calculate, 117. versatile, 118. extended, 119. launch, 120. strategy, 121. distance

122. arc_____ure design *n.* the art and science of designing and constructing buildings
123. a neg_____le amount of time *adj.* so small or insignificant as to be not worth considering; negligible amounts or effects are too minor or unimportant to have any major impact
124. ac_____e success *v.* to successfully complete a task or goal, often through hard work, perseverance, and dedication; to attain or accomplish something that one has set out to do
125. 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
126. ve_____al takeoff *adj.* upright or perpendicular to a horizontal surface or line
127. co_____t car *n.* an idea or principle associated with something abstract
128. syn_____ze molecules *v.* to combine a substance to make a more complex product or compound
129. 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
130. nuclear ph_____s *n.* the science of matter and energy and their interactions
131. make a ra____t *n.* a loud and unpleasant noise that is often repeated or sustained over a period of time; a tool or implement used in various leisure activities or sports, such as tennis or badminton

ANSWERS: 122. architecture, 123. negligible, 124. achieve, 125. observe, 126. vertical, 127. concept, 128. synthesize, 129. planet, 130. physics, 131. racket

132. es_____te a fair value *v.* to guess or calculate the cost, size, value, etc. of something
133. division with re_____er *n.* the part of something that is left over when the rest has been used or taken
134. a br__d mind *adj.* very wide; general
135. the RSA al_____hm *n.* a set of rules or rigorous instructions typically used to solve a specific problem or to perform a computation
136. a well-ba_____ed mind *adj.* taking all sides or opinions into account equally; being in a state of proper equilibrium
137. the local chamber of co_____ce *n.* the activity of buying and selling things, especially on a large scale
138. re_____ze talent *v.* to acknowledge or realize something or someone; to identify, remember, or become aware of something that was previously known or encountered
139. ha___e a precious object *v.* to deal with a situation, problem, or strong emotion
140. ca_____e customers' hearts *v.* to catch a person or an animal and confine them in an area which they cannot escape
141. lo___e a missing pet *v.* to specify or determine the exact position of someone or something
142. notable in_____ce *n.* a particular example or single occurrence of something
143. no__l effect *n.* an extended fictional work in prose; usually in the form of a story; (adjective) original and of a kind not seen before

ANSWERS: 132. estimate, 133. remainder, 134. broad, 135. algorithm, 136. balanced, 137. commerce, 138. recognize, 139. handle, 140. capture, 141. locate, 142. instance, 143. novel

144. do_____te possession *v.* to have or control a lot of power and influence over somebody or something
145. classic arc_____ure *n.* the art and science of designing and constructing buildings
146. br____h office *n.* a division of a tree or woody shrub that grows out from the trunk or a main stem; a division of some larger or more complex organization
147. protect the database from mi____e *n.* the act of using something in an unsuitable way or for the wrong purpose
148. acc_____te the car *v.* to make something faster or earlier; to cause to develop or progress more quickly
149. 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
150. in an unc_____nal manner *adj.* not following traditional or commonly accepted beliefs, practices, or customs; not conforming to established norms or standards
151. str_____ard manner *adj.* easy to do or understand, or simple; free from ambiguity
152. a mo__r mechanic *n.* a device that converts electricity, fuel, etc. into movement and makes a machine, vehicle, etc. work
153. an ag__e mind *adj.* able to move quickly and easily, often in a way that is graceful and controlled
154. a mec_____al style of writing *adj.* operated by a machine, relating to or concerned with machinery or tools

ANSWERS: 144. dominate, 145. architecture, 146. branch, 147. misuse, 148. accelerate, 149. discovery, 150. unconventional, 151. straightforward, 152. motor, 153. agile, 154. mechanical

155. ce____g light *n.* a room's top interior surface
156. qua_____er camera *n.* a type of drone that is driven by four rotors, which enable vertical takeoff and landing, hovering, and agile movement in multiple directions
157. a vi____l image *adj.* being actually such in almost every respect; existing in essence or effect though not in actual fact
158. coo_____ve savings *adj.* involving doing something jointly or working with others to achieve a common goal
159. ac_____ic leaps *adj.* relating to or involving gymnastic or athletic feats performed with agility, balance, and coordination; agile, flexible, and graceful
160. become a professional at_____e *n.* a person who competes in one or more sports that involve physical strength, speed, or endurance
161. a subordinate ki_____m *n.* the country ruled by a king or queen
162. fl__d assets *n.* a substance that can flow and is not solid
163. im_____e a process *v.* to make or become better
164. inn_____on leader *n.* the creation of a new device or process resulting from study and experimentation
165. the problem of drug ab__e *n.* the use of something in an incorrect or harmful manner
166. f__p a coin *v.* to turn over into a different position quickly; to throw or toss with a light motion

ANSWERS: 155. ceiling, 156. quadcopter, 157. virtual, 158. cooperative, 159. acrobatic, 160. athlete, 161. kingdom, 162. fluid, 163. improve, 164. innovation, 165. abuse, 166. flip

167. a fatal in___y *n.* harm done to a person's or an animal's body caused by an accident or an attack
168. in_____ct directly with customers *v.* to communicate or react with somebody
169. time ex_____on *n.* a thing that is added to something to make it longer, larger, or wider; an educational opportunity provided by colleges and universities to people who are not enrolled as regular students; an additional telephone set that is connected to the same telephone line
170. sexual ori_____on *n.* a person's basic attitudes, beliefs, and preferences about particular things; a course introducing a new situation or environment
171. score an ad_____ge *n.* a condition or circumstance that puts one in a favorable or superior position; a beneficial feature or asset that someone or something has
172. mat_____cs competition *n.* the science dealing with the logic of quantities, shapes, spaces, and arrangement
173. low al_____de *n.* the height of an object or point in relation to sea level or ground level
174. an app_____te time *adj.* suitable or proper in the circumstances; fitting
175. the mi___e of company money *n.* the act of using something in an unsuitable way or for the wrong purpose
176. hold your br___h *n.* the air that is taken into and expelled from your lungs; the process of taking into and expelling air from your lungs

ANSWERS: 167. injury, 168. interact, 169. extension, 170. orientation, 171. advantage, 172. mathematics, 173. altitude, 174. appropriate, 175. misuse, 176. breath

177. au____t immunity *v.* to increase the size, extent, quantity, etc. of something by adding something to it
178. the attraction of gr____y *n.* the force that attracts a body towards the center of the earth or towards any other physical body having mass; a manner that is solemn
179. a tra_____ry missile *n.* the curved path followed by an object moving through space
180. bl__d spot *adj.* unable to see; unable or unwilling to perceive or understand the true nature of something
181. high school at_____es *n.* a person who competes in one or more sports that involve physical strength, speed, or endurance
182. for in_____ce *n.* a particular example or single occurrence of something
183. unc_____nal ideas *adj.* not following traditional or commonly accepted beliefs, practices, or customs; not conforming to established norms or standards
184. bl__d to the beauties *adj.* unable to see; unable or unwilling to perceive or understand the true nature of something
185. an_____e your real motives *v.* to think about in-depth and evaluate to discover essential features or meaning
186. y_w off course *v.* to turn or deviate from a straight course, especially as a result of wind or current; to swerve or veer off course to one side; (noun) a rotation or deviation of an object, usually an aircraft, boat, or vehicle, around its vertical axis

ANSWERS: 177. augment, 178. gravity, 179. trajectory, 180. blind, 181. athlete, 182. instance, 183. unconventional, 184. blind, 185. analyze, 186. yaw

187. ho__r between life and death *v.* to stay in one place in the air
188. say a gr__e *n.* a quality of being pleasing, especially in appearance or manner; a temporary exemption, especially an extended period granted as a special favor; a short prayer of thanks before a meal
189. su_____e beforehand *v.* to think that something is likely to be actual or possible
190. 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
191. telephone ex_____on *n.* a thing that is added to something to make it longer, larger, or wider; an educational opportunity provided by colleges and universities to people who are not enrolled as regular students; an additional telephone set that is connected to the same telephone line
192. draw an_____y *n.* a comparison between similar things that have similar aspects, often used to help explain a principle or concept
193. nu__e price levels up *v.* to push someone or something gently, especially with your elbow, to attract the person's attention; (noun) a small push or prod to encourage a desired action or behavior
194. hand ge_____e *n.* a movement of the hands, head, or face that express a particular meaning

ANSWERS: 187. hover, 188. grace, 189. suppose, 190. discovery, 191. extension, 192. analogy, 193. nudge, 194. gesture

195. m__l ways to retaliate v. to think over carefully; to consider or ponder; to mix or stir thoroughly
196. genetically mo___y food v. to change something slightly, such as a plan, option, law, etc., especially to make it more suitable for a particular purpose
197. 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
198. diagnosed in_____ly as a tumor *adv.* at the beginning; at first
199. ro__n's nest n. a small bird from the thrush family, typically having a red breast and found across Europe, Asia, and North America
200. 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
201. da___e assessment v. to harm or cause injury to something or someone, often resulting in decreased value or functionality; to impair or negatively affect something, such as a reputation or relationship; (noun) harm or injury that is caused to a person, thing, or entity

ANSWERS: 195. mull, 196. modify, 197. distance, 198. initially, 199. robin, 200. process, 201. damage

202. highly vi_____s substance *adj.* having a thick, sticky consistency between solid and liquid; exhibiting resistance to flow
203. wi____m literature *n.* the quality of being wise, or the ability to use your knowledge and experience to make sensible decisions
204. end of the gr__e period *n.* a quality of being pleasing, especially in appearance or manner; a temporary exemption, especially an extended period granted as a special favor; a short prayer of thanks before a meal
205. deep-sea di__r *n.* a person who dives, especially one who does so professionally or as a sport; a bird that dives into the water to catch fish or other prey
206. the plus p__e *n.* one of two antipodal points where the Earth's axis of rotation intersects the Earth's surface; a long, slender, rounded rod, typically of wood or metal, used as a support or to hang something
207. co_____e augmented reality *v.* to join or merge to form a single thing or group
208. ex_____e a double play *v.* to kill someone, especially as a legal punishment; to carry out or perform an action, duty, etc.
209. beauty s__t *n.* a particular location or place; a small round or roundish area, differing in color or feels from the surface around it
210. get a con_____nal loan *adj.* based on or following traditional rules, standards, customs, etc.

ANSWERS: 202. viscous, 203. wisdom, 204. grace, 205. diver, 206. pole, 207. combine, 208. execute, 209. spot, 210. conventional

211. have a st___e job *adj.* firm and steady; not easily moved, disturbed, or changed
212. the school ori_____on *n.* a person's basic attitudes, beliefs, and preferences about particular things; a course introducing a new situation or environment
213. take ad_____ge of his weak points *n.* a condition or circumstance that puts one in a favorable or superior position; a beneficial feature or asset that someone or something has
214. ro__n eggs *n.* a small bird from the thrush family, typically having a red breast and found across Europe, Asia, and North America
215. rel_____sh all hope *v.* to give up power, control, or possession
216. a ma__c spell *n.* beliefs and actions employed to influence supernatural beings and forces; any art or performance that invokes supernatural powers
217. political ar__a *n.* a large, flat area, often circular or oval-shaped, designed to showcase theatre, musical performances, or sporting events
218. ro_____y explain my idea *adv.* approximately but not precisely; with a violent manner
219. thin-and-light la___p *n.* a portable computer that is small enough to be carried around easily and used on your lap
220. compulsory ex_____on *n.* the act or process of carrying out a plan, order, or course of action; the act or process of carrying out the death penalty

ANSWERS: 211. stable, 212. orientation, 213. advantage, 214. robin, 215. relinquish, 216. magic, 217. arena, 218. roughly, 219. laptop, 220. execution

221. in_____ly anticipated *adv.* at the beginning; at first
222. st___e a blow *v.* to wallop somebody or something with the hand, fist, or weapon; to have an emotional or cognitive impact upon
223. intellectual f__t *n.* a notable or impressive achievement, especially one that requires great skill or bravery
224. make a str_____ard dash *adj.* easy to do or understand, or simple; free from ambiguity
225. in_____ct with one another *v.* to communicate or react with somebody
226. interstate co_____ce *n.* the activity of buying and selling things, especially on a large scale
227. bu___e cord *n.* a strong, elastic cord or rope used to leap or dive from a height, typically while attached to a harness or other safety equipment, providing a thrilling experience or a means of controlled descent
228. app_____te behavior *adj.* suitable or proper in the circumstances; fitting
229. a campus dem_____ion *n.* a display or show, often of a particular skill or product, intended to convince or persuade others
230. fishing coo_____ve *adj.* involving doing something jointly or working with others to achieve a common goal
231. ha___ed the incident *v.* to deal with a situation, problem, or strong emotion

ANSWERS: 221. initially, 222. strike, 223. feat, 224. straightforward, 225. interact, 226. commerce, 227. bungee, 228. appropriate, 229. demonstration, 230. cooperative, 231. handle

232. backward som_____lt *n.* a complete forward or backward roll of the body, typically performed by tucking in the head and reaching out with the hands and feet
233. bachelor's de____e *n.* a unit of measurement for angles, temperature, or level of proficiency or achievement; a rank or level of academic or professional attainment
234. au_____ic operation *adj.* able to work or operate with little or no direct human control; independent of external control
235. designed for in____r use *adj.* located, happened, or used inside a building
236. wi_____ss access *adj.* of or relating a connection or communication that does not require a physical wire or cable, often through the use of radio waves or electromagnetic signals
237. attract br__d attention *adj.* very wide; general
238. b__d old letters into a bundle *v.* to tie or fasten someone or something tightly with rope, string, etc. so that they cannot move or are held together strongly
239. a fishing p__e *n.* one of two antipodal points where the Earth's axis of rotation intersects the Earth's surface; a long, slender, rounded rod, typically of wood or metal, used as a support or to hang something
240. va__t door *n.* a large room or chamber used for storage, often for valuables such as money, documents, or artwork; (verb) to leap or jump over something; to move quickly or suddenly

ANSWERS: 232. somersault, 233. degree, 234. automatic, 235. indoor, 236. wireless, 237. broad, 238. bind, 239. pole, 240. vault

241. au____t the reality *v.* to increase the size, extent, quantity, etc. of something by adding something to it
242. da___e a relationship *v.* to harm or cause injury to something or someone, often resulting in decreased value or functionality; to impair or negatively affect something, such as a reputation or relationship; (noun) harm or injury that is caused to a person, thing, or entity
243. ge_____e of goodwill *n.* a movement of the hands, head, or face that express a particular meaning
244. have an in_____nt dislike *adj.* existing in something as a permanent, essential, or characteristic attribute
245. q__d biking *n.* (short for quadrangle) a square or rectangular open area or courtyard, often surrounded by buildings or used for recreational or social purposes
246. the influence of mec_____al action *adj.* operated by a machine, relating to or concerned with machinery or tools
247. ce_____g board *n.* a room's top interior surface
248. ba_____y charging *n.* a device that is placed inside a car, gadget, equipment, etc. and that provides electrical power to them
249. a man of imp_____ce *n.* the quality of being important and worthy of note
250. 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

ANSWERS: 241. augment, 242. damage, 243. gesture, 244. inherent, 245. quad, 246. mechanical, 247. ceiling, 248. battery, 249. importance, 250. strap

251. DC mo__r control *n.* a device that converts electricity, fuel, etc. into movement and makes a machine, vehicle, etc. work
252. make a pi__h for a new product *n.* the property of sound that varies with variation in the frequency of vibration; the degree of a slope, especially of a roof; short presentation for selling or sharing something
253. br___h of wind *n.* the air that is taken into and expelled from your lungs; the process of taking into and expelling air from your lungs
254. eliminate red_____cy *n.* the state of being unnecessary, especially through being able to be replaced by something else
255. si_____ly situated *adv.* in almost the same way
256. phy_____ly and mentally *adv.* in a way related to a person's body or appearance rather than their mind
257. pr_____er design *n.* a device with rotating blades or vanes used for propulsion or creating lift, typically used on boats or aircraft
258. be de_____ed to become a great artist *v.* to determine or set the course of something in advance, often in a way that seems predetermined or inevitable; to specify or choose someone or something for a particular fate or outcome
259. a fountain of wi___m *n.* the quality of being wise, or the ability to use your knowledge and experience to make sensible decisions

ANSWERS: 251. motor, 252. pitch, 253. breath, 254. redundancy, 255. similarly, 256. physically, 257. propeller, 258. destine, 259. wisdom

260. muscular st____th *n.* the quality or state of being physically, or sometimes mentally, strong
261. DIY qua_____er kit *n.* a type of drone that is driven by four rotors, which enable vertical takeoff and landing, hovering, and agile movement in multiple directions
262. scientific con_____re *n.* an opinion or conclusion formed based on incomplete information; a theory or speculation that is unsupported by firm evidence or proof
263. de____p a skill *v.* to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created
264. a chemical eq_____on *n.* the act of regarding as equal; (mathematics) a statement that expresses the equality of two expressions by connecting them with the equals sign
265. an in____r pool *adj.* located, happened, or used inside a building
266. co_____e chemically with another substance *v.* to join or merge to form a single thing or group
267. establish his ki_____m *n.* the country ruled by a king or queen
268. engine con_____ion *n.* the arrangement or pattern of something or a group of related things
269. an_____e a chemical compound *v.* to think about in-depth and evaluate to discover essential features or meaning

ANSWERS: 260. strength, 261. quadcopter, 262. conjecture, 263. develop, 264. equation, 265. indoor, 266. combine, 267. kingdom, 268. configuration, 269. analyze

270. bu___e harness *n.* a strong, elastic cord or rope used to leap or dive from a height, typically while attached to a harness or other safety equipment, providing a thrilling experience or a means of controlled descent
271. r_p a hole in the roof *v.* to tear something or be torn violently or suddenly
272. pr_____er aircraft *n.* a device with rotating blades or vanes used for propulsion or creating lift, typically used on boats or aircraft
273. cal_____on of loss and gain *n.* the act or process of using numbers to judge an amount of something
274. tw__t a wet towel *v.* to bend or turn something into a certain shape
275. have si_____ly great abilities *adv.* in almost the same way
276. a s__t on his honor *n.* a particular location or place; a small round or roundish area, differing in color or feels from the surface around it
277. r_p a notebook apart *v.* to tear something or be torn violently or suddenly
278. a ve_____le writer *adj.* able to do many things in different fields; having many talents
279. ca_____te the distance *v.* to judge or find out the amount or number of something by using mathematics
280. im_____e the test score *v.* to make or become better
281. man_____te figures *v.* to influence or control something or someone to your advantage, often in an unfair or dishonest way

ANSWERS: 270. bungee, 271. rip, 272. propeller, 273. calculation, 274. twist, 275. similarly, 276. spot, 277. rip, 278. versatile, 279. calculate, 280. improve, 281. manipulate

282. aer_____ics research *n.* the study of the motion of air, particularly its interaction with solid objects moving through it, such as aircraft or cars
283. professional di__r *n.* a person who dives, especially one who does so professionally or as a sport; a bird that dives into the water to catch fish or other prey
284. ve_____al axis *adj.* upright or perpendicular to a horizontal surface or line
285. dy_____cs of group *n.* the branch of mechanics that deals with the motion of bodies under the action of forces, including the particular case in which a body remains at rest; forces that produce or stimulate movement, growth, or change
286. in_____nt risk *adj.* existing in something as a permanent, essential, or characteristic attribute
287. de___e centigrade *n.* a unit of measurement for angles, temperature, or level of proficiency or achievement; a rank or level of academic or professional attainment
288. the int_____on between man and his environment *n.* the act of connecting with someone, mainly when working, playing, or spending time with them
289. re_____ze achievement *v.* to acknowledge or realize something or someone; to identify, remember, or become aware of something that was previously known or encountered
290. red_____cy payment *n.* the state of being unnecessary, especially through being able to be replaced by something else

ANSWERS: 282. aerodynamics, 283. diver, 284. vertical, 285. dynamics, 286. inherent, 287. degree, 288. interaction, 289. recognize, 290. redundancy

291. acc_____ion of an object *n.* a rate of increase in velocity; the rate of change of velocity with respect to time
292. historical no__l *n.* an extended fictional work in prose; usually in the form of a story; (adjective) original and of a kind not seen before
293. made a great ma_____er *n.* a motion or combination of moves that requires skill and care; a clever strategy, activity, or movement intended to give someone an advantage
294. badminton ra____t *n.* a loud and unpleasant noise that is often repeated or sustained over a period of time; a tool or implement used in various leisure activities or sports, such as tennis or badminton
295. acc_____te a chemical reaction *v.* to make something faster or earlier; to cause to develop or progress more quickly
296. dy_____cs of economy *n.* the branch of mechanics that deals with the motion of bodies under the action of forces, including the particular case in which a body remains at rest; forces that produce or stimulate movement, growth, or change
297. es_____te this chicken to weigh three pounds *v.* to guess or calculate the cost, size, value, etc. of something
298. financial wi____d *n.* a person who is skilled in magic or a particular technical field
299. adj_____nt by hand *n.* a small change or movement made to something to improve it and achieve the desired result

ANSWERS: 291. acceleration, 292. novel, 293. maneuver, 294. racket, 295. accelerate, 296. dynamics, 297. estimate, 298. wizard, 299. adjustment

300. a dy____c market

adj. having a lot of energy, ideas, and enthusiasm, and a strong personality; of or relating to dynamics (= the branch of physics and engineering concerned with the forces that cause motions of bodies)

301. victim of sexual ab__e

n. the use of something in an incorrect or harmful manner

302. ex____ed payment

adj. longer than usual or anticipated

ANSWERS: 300. dynamic, 301. abuse, 302. extended

Session 3: Fill in the Blanks

1. 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

2. 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

3. He _____ pieces of rope out of straw.
v. to bend or turn something into a certain shape

4. He assumed the role of the arbitral _____ of the controversy.
n. a small change or movement made to something to improve it and achieve the desired result

5. Some people believe that we are all _____ for greatness.
v. to determine or set the course of something in advance, often in a way that seems predetermined or inevitable; to specify or choose someone or something for a particular fate or outcome

6. This remote _____ is rarely visited.
n. a particular location or place; a small round or roundish area, differing in color or feels from the surface around it

7. Having a _____ healthy physique is essential for a great life.
adv. in a way related to a person's body or appearance rather than their mind

ANSWERS: 1. laptop, 2. distance, 3. twisted, 4. adjustment, 5. destined, 6. spot, 7. physically

8. He has a flair for _____.
- n.* the science dealing with the logic of quantities, shapes, spaces, and arrangement
9. She made a facial _____ to express disagreement.
- n.* a movement of the hands, head, or face that express a particular meaning
10. She excelled in _____ during high school and went on to compete at the collegiate level.
- n.* the physical activities or sports that involve physical exertion and competition, such as running, jumping, throwing, or walking
11. 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
12. The defendant gave a _____ and accurate description of the accident.
- adj.* easy to do or understand, or simple; free from ambiguity
13. I love listening to the cheerful song of the _____ in my garden.
- n.* a small bird from the thrush family, typically having a red breast and found across Europe, Asia, and North America
14. My accidental _____ got better right away.
- n.* harm done to a person's or an animal's body caused by an accident or an attack
15. His coach is a _____ Olympic champion.
- adj.* consisting of three items or people; three times as great or many

ANSWERS: 8. mathematics, 9. gesture, 10. athletics, 11. algorithm, 12. straightforward, 13. robin, 14. injury, 15. triple

16. The community greatly respected and sought after the older adult's _____.
- n.* the quality of being wise, or the ability to use your knowledge and experience to make sensible decisions
17. 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
18. There was much _____ about the cause of the fire, but the investigation is still ongoing.
- n.* an opinion or conclusion formed based on incomplete information; a theory or speculation that is unsupported by firm evidence or proof
19. The North _____ is the northernmost point on Earth.
- n.* one of two antipodal points where the Earth's axis of rotation intersects the Earth's surface; a long, slender, rounded rod, typically of wood or metal, used as a support or to hang something
20. We _____ our mining resources to strengthen our national power.
- v.* to make full use of and gain an advantage from resources, opportunities, etc.
21. Economic factors and monetary policy _____ inflation.
- v.* to increase the size, extent, quantity, etc. of something by adding something to it
22. Drug _____ is associated with mental health disorders.
- n.* the act of using something in an unsuitable way or for the wrong purpose
23. Our plan includes a comprehensive marketing _____.
- n.* a detailed plan of action designed to achieve a long-term or overall goal.

ANSWERS: 16. wisdom, 17. flipped, 18. conjecture, 19. Pole, 20. exploit, 21. augmented, 22. misuse, 23. strategy

24. The old oak tree stood with _____ and majesty in the park's center.
- n.* a quality of being pleasing, especially in appearance or manner; a temporary exemption, especially an extended period granted as a special favor; a short prayer of thanks before a meal
25. The government tried to _____ the commercialization of this development.
- v.* to make something faster or earlier; to cause to develop or progress more quickly
26. 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
27. How can you _____ that the earth is a sphere?
- v.* to display something or give an exhibition to an interested audience
28. Her _____ approach to teaching has been a hit with the students.
- adj.* not following traditional or commonly accepted beliefs, practices, or customs; not conforming to established norms or standards
29. The tower proved to be _____ in the high wind.
- adj.* lacking solidity, persistence, or firmness and therefore not strong, safe, or likely to continue; lacking control of one's emotions
30. She decided to _____ her role as the leader of the group.
- v.* to give up power, control, or possession
31. She received her _____ in psychology from the university.
- n.* a unit of measurement for angles, temperature, or level of proficiency or achievement; a rank or level of academic or professional attainment

ANSWERS: 24. grace, 25. accelerate, 26. command, 27. demonstrate, 28. unconventional, 29. unstable, 30. relinquish, 31. degree

32. The search and rescue team sent a team of _____ to search for the missing plane wreckage.
- n.* a person who dives, especially one who does so professionally or as a sport; a bird that dives into the water to catch fish or other prey
33. Her voice gradually increased in _____.
- n.* the property of sound that varies with variation in the frequency of vibration; the degree of a slope, especially of a roof; short presentation for selling or sharing something
34. 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
35. The _____ of the tree had fallen and blocked the road.
- n.* a division of a tree or woody shrub that grows out from the trunk or a main stem; a division of some larger or more complex organization
36. The pilot needed to ____ the plane slightly to avoid colliding with another aircraft.
- v.* to turn or deviate from a straight course, especially as a result of wind or current; to swerve or veer off course to one side; (noun) a rotation or deviation of an object, usually an aircraft, boat, or vehicle, around its vertical axis
37. Our company has an audit team that monitors directors for _____ of authority.
- n.* the use of something in an incorrect or harmful manner
38. The _____ performance was breathtaking and left the audience in awe.
- adj.* relating to or involving gymnastic or athletic feats performed with agility, balance, and coordination; agile, flexible, and graceful

ANSWERS: 32. divers, 33. pitch, 34. discovery, 35. branch, 36. yaw, 37. abuse, 38. acrobatic

39. The country's domestic coal consumption has been _____ declining for decades.

adv. without being interrupted or paused; repeatedly

40. These articles cite five _____ of climate change.

n. a particular example or single occurrence of something

41. The _____ development process allowed the team to make changes quickly.

adj. able to move quickly and easily, often in a way that is graceful and controlled

42. During the surgery, the doctor had to be extremely cautious not to _____ a blood vessel.

v. to harm or cause injury to something or someone, often resulting in decreased value or functionality; to impair or negatively affect something, such as a reputation or relationship; (noun) harm or injury that is caused to a person, thing, or entity

43. The city is known for its impressive _____ and beautiful old buildings.

n. the art and science of designing and constructing buildings

44. He's a _____ actor who has acted in various parts.

adj. able to do many things in different fields; having many talents

45. One of the main _____ of the new product is its increased efficiency.

n. a condition or circumstance that puts one in a favorable or superior position; a beneficial feature or asset that someone or something has

46. The ladder leaned against the _____ surface of the building.

adj. upright or perpendicular to a horizontal surface or line

ANSWERS: 39. continuously, 40. instances, 41. agile, 42. damage, 43. architecture, 44. versatile, 45. advantages, 46. vertical

47. He was a _____ at solving complex mathematical equations.

n. a person who is skilled in magic or a particular technical field

48. In passenger aircraft, it is common to use an _____ pilot during cruising.

adj. able to work or operate with little or no direct human control; independent of external control

49. The error in the _____ was attributable to rounding.

n. the act or process of using numbers to judge an amount of something

50. It's important to _____ your strengths and weaknesses.

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

51. The teacher attempted to _____ the root cause of our mistake.

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

52. The office's _____ network allows employees to work from anywhere in the building.

adj. of or relating a connection or communication that does not require a physical wire or cable, often through the use of radio waves or electromagnetic signals

53. He was _____ gifted.

adv. as might be expected; by natural manners

54. 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

ANSWERS: 47. wizard, 48. automatic, 49. calculation, 50. recognize, 51. analyze, 52. wireless, 53. naturally, 54. stick

55. She was diagnosed with a _____ buildup in her lungs.

n. a substance that can flow and is not solid

56. Hydrogen and oxygen _____ to form water.

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

57. This train departed later than _____ scheduled.

adv. at the beginning; at first

58. We use adverbs to _____ verbs and adjectives.

v. to change something slightly, such as a plan, option, law, etc., especially to make it more suitable for a particular purpose

59. The _____ of the two groups is good for brainstorming.

n. the act of connecting with someone, mainly when working, playing, or spending time with them

60. He was exhausted and _____ into bed as soon as he got home.

v. to move in a particular direction by turning over and over or from side to side

61. We _____ to achieve more wages and safer working conditions.

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

62. The company had to let go of some employees due to _____.

n. the state of being unnecessary, especially through being able to be replaced by something else

63. The _____ of the car allowed it to glide smoothly through the air.

n. the study of the motion of air, particularly its interaction with solid objects moving through it, such as aircraft or cars

ANSWERS: 55. fluid, 56. combine, 57. initially, 58. modify, 59. interaction, 60. rolled, 61. strike, 62. redundancy, 63. aerodynamics

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

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

65. The _____ to the new class was informative and engaging.

- n.* a preliminary explanation or remarks given before the start of a text, performance, or event; the act of bringing something new into existence or introducing something to a wider audience or new market

66. He should _____ more with his colleagues.

- v.* to communicate or react with somebody

67. The _____ airport runways may accommodate larger jets.

- adj.* longer than usual or anticipated

68. He studied the _____ of radiation.

- n.* the science of matter and energy and their interactions

69. We conducted a _____ assessment of intellectual and cultural history.

- adj.* taking all sides or opinions into account equally; being in a state of proper equilibrium

70. The coach had the team run through the _____ ladder to improve their coordination.

- n.* the ability to move quickly and easily, often in a way that is graceful and controlled

71. We met at the campus _____ to study for our upcoming exams.

- n.* (short for quadrangle) a square or rectangular open area or courtyard, often surrounded by buildings or used for recreational or social purposes

ANSWERS: 64. balance, 65. introduction, 66. interact, 67. extended, 68. physics, 69. balanced, 70. agility, 71. quad

72. The gymnast performed a perfect _____ during her routine.
n. a complete forward or backward roll of the body, typically performed by tucking in the head and reaching out with the hands and feet
73. Health and _____ are, above all, gold.
n. the quality or state of being physically, or sometimes mentally, strong
74. She is very _____ in her thoughts.
adj. based on or following traditional rules, standards, customs, etc.
75. Two birds were _____ overhead.
v. to stay in one place in the air
76. His dream is to become an Olympic _____.
n. a person who competes in one or more sports that involve physical strength, speed, or endurance
77. The relationship _____ between the two countries were complex and constantly changing.
n. the branch of mechanics that deals with the motion of bodies under the action of forces, including the particular case in which a body remains at rest; forces that produce or stimulate movement, growth, or change
78. The government _____ contains top-secret documents and classified information that only a few individuals can access.
n. a large room or chamber used for storage, often for valuables such as money, documents, or artwork; (verb) to leap or jump over something; to move quickly or suddenly
79. The _____ drone can take aerial photographs from a great height.
n. a type of drone that is driven by four rotors, which enable vertical takeoff and landing, hovering, and agile movement in multiple directions

ANSWERS: 72. somersault, 73. strength, 74. conventional, 75. hovering, 76. athlete, 77. dynamics, 78. vault, 79. quadcopter

80. Table tennis is an _____ sport.

adj. located, happened, or used inside a building

81. They are building an _____ to the house to add more bedrooms.

n. a thing that is added to something to make it longer, larger, or wider; an educational opportunity provided by colleges and universities to people who are not enrolled as regular students; an additional telephone set that is connected to the same telephone line

82. The spider can _____ multiple different silk proteins.

v. to combine a substance to make a more complex product or compound

83. Some kinds of machine learning models show an _____ to how people learn.

n. a comparison between similar things that have similar aspects, often used to help explain a principle or concept

84. 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

85. It would be _____ to dress nicely for the wedding.

adj. suitable or proper in the circumstances; fitting

86. He bated his _____ when talking about this affair.

n. the air that is taken into and expelled from your lungs; the process of taking into and expelling air from your lungs

87. He accumulated wealth across a _____ spectrum of assets.

adj. very wide; general

ANSWERS: 80. indoor, 81. extension, 82. synthesize, 83. analogy, 84. observe, 85. appropriate, 86. breath, 87. broad

88. In this class, we learn the basic _____ of the plane.

- n.* a motion or combination of moves that requires skill and care; a clever strategy, activity, or movement intended to give someone an advantage

89. Honesty is an _____ quality that everyone should strive to possess.

- adj.* existing in something as a permanent, essential, or characteristic attribute

90. I will work hard to _____ my goals and realize my dreams.

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

91. He couldn't _____ the actual value of the artwork.

- v.* to judge or find out the amount or number of something by using mathematics

92. They set up a _____ jump attraction at the amusement park to attract thrill-seekers.

- n.* a strong, elastic cord or rope used to leap or dive from a height, typically while attached to a harness or other safety equipment, providing a thrilling experience or a means of controlled descent

93. The company's rules _____ the employee's working hours.

- v.* to tie or fasten someone or something tightly with rope, string, etc. so that they cannot move or are held together strongly

94. He was determined to _____ everything.

- v.* to cause or allow liquid to run or flow over the edge of its container by accident

95. In this class, you will learn how to solve quadratic _____.

- n.* the act of regarding as equal; (mathematics) a statement that expresses the equality of two expressions by connecting them with the equals sign

ANSWERS: 88. maneuver, 89. inherent, 90. achieve, 91. calculate, 92. bungee, 93. bind, 94. spill, 95. equations

96. We appreciate your _____ efforts.

adj. involving doing something jointly or working with others to achieve a common goal

97. The boat's _____ stopped working in the middle of the lake.

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

98. She is the _____ president of the company.

adj. being actually such in almost every respect; existing in essence or effect though not in actual fact

99. The plane flew at a high _____ to avoid turbulence.

n. the height of an object or point in relation to sea level or ground level

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

v. to make or become better

101. There will be an _____ lecture for new students this afternoon.

n. a person's basic attitudes, beliefs, and preferences about particular things; a course introducing a new situation or environment

102. He has an _____ knowledge of American history.

adj. having a very close friendship, personal

103. The _____ drone can hover and shoot stable aerial footage.

n. a type of uncrewed, remote-controlled aerial vehicle or drone that is powered by eight electric motors and uses rotors to achieve vertical takeoff and landing, as well as maneuvering in various directions

ANSWERS: 96. cooperative, 97. propeller, 98. virtual, 99. altitude, 100. improve, 101. orientation, 102. intimate, 103. octocopter

104. Five miles is _____ similar to eight kilometers.

adv. approximately but not precisely; with a violent manner

105. Thousands of people attended the protest _____ against the proposed policy.

n. a display or show, often of a particular skill or product, intended to convince or persuade others

106. She was nearly _____ due to severe diabetes.

adj. unable to see; unable or unwilling to perceive or understand the true nature of something

107. The company has shown an excellent growth _____ over the years.

n. the curved path followed by an object moving through space

108. The mafioso who collaborated with the police was _____.

v. to kill someone, especially as a legal punishment; to carry out or perform an action, duty, etc.

109. 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

110. The sound of shelves crashing to the floor created a terrible _____ in the grocery store.

n. a loud and unpleasant noise that is often repeated or sustained over a period of time; a tool or implement used in various leisure activities or sports, such as tennis or badminton

ANSWERS: 104. roughly, 105. demonstration, 106. blind, 107. trajectory, 108. executed, 109. process, 110. racket

111. We all should learn how to _____ stress.

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

112. 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

113. The _____ has largely gotten positive feedback.

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

114. The car's _____ was impressive, going from 0 to 60 mph in just 5 seconds.

n. a rate of increase in velocity; the rate of change of velocity with respect to time

115. The company is set to _____ its new product line next month.

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

116. We must _____ a new system to streamline our workflow and increase efficiency.

v. to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created

117. Relations between the two countries have been relatively _____ due to the summit meeting.

adj. firm and steady; not easily moved, disturbed, or changed

ANSWERS: 111. handle, 112. strap, 113. novel, 114. acceleration, 115. launch, 116. develop, 117. stable

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

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

119. The engine did not start because the _____ was flat.

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

120. I stopped by the branch though I have no business of _____.

n. the quality of being important and worthy of note

121. During transit, the stuff may ____ off the luggage tag.

v. to tear something or be torn violently or suddenly

122. Solar gravity creates _____ pressures and temperatures.

adj. very great in amount or degree

123. The _____ liquid poured slowly from the jar.

adj. having a thick, sticky consistency between solid and liquid; exhibiting resistance to flow

124. The company is planning to build a 20,000-seat _____ with a retractable roof.

n. a large, flat area, often circular or oval-shaped, designed to showcase theatre, musical performances, or sporting events

125. One such rapidly growing _____ is quantum cryptography.

n. an idea or principle associated with something abstract

ANSWERS: 118. motors, 119. battery, 120. importance, 121. rip, 122. extreme, 123. viscous, 124. arena, 125. concept

126. The teacher _____ the student to get his attention and asked him a question.
- v.* to push someone or something gently, especially with your elbow, to attract the person's attention; (noun) a small push or prod to encourage a desired action or behavior
127. The astronaut felt weightless in space due to the absence of _____.
- n.* the force that attracts a body towards the center of the earth or towards any other physical body having mass; a manner that is solemn
128. 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
129. He performed _____ tricks with sophisticated moves.
- n.* beliefs and actions employed to influence supernatural beings and forces; any art or performance that invokes supernatural powers
130. The _____ of the plan was flawless, resulting in a record-breaking profit for the company.
- n.* the act or process of carrying out a plan, order, or course of action; the act or process of carrying out the death penalty
131. A _____ engineer is still in demand in many companies.
- adj.* operated by a machine, relating to or concerned with machinery or tools
132. The perspective of his right brain _____ his consciousness.
- v.* to have or control a lot of power and influence over somebody or something
133. There was a crack in the _____ that I found.
- n.* a room's top interior surface

ANSWERS: 126. nudged, 127. gravity, 128. planet, 129. magic, 130. execution, 131. mechanical, 132. dominates, 133. ceiling

134. Please tell me how to _____ this computer.

- v.* to influence or control something or someone to your advantage, often in an unfair or dishonest way

135. We argue that wages for temporary workers should _____ rise.

- adv.* in almost the same way

136. The sprinter has a _____ way of running.

- adj.* having a lot of energy, ideas, and enthusiasm, and a strong personality; of or relating to dynamics (= the branch of physics and engineering concerned with the forces that cause motions of bodies)

137. It is an incredible _____ to climb Mount Everest, the highest mountain in the world.

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

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

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

139. The _____ of the cake was put in the fridge for tomorrow.

- n.* the part of something that is left over when the rest has been used or taken

140. The _____ of molecules in steel changes significantly with temperature.

- n.* the arrangement or pattern of something or a group of related things

141. The cost of the repairs was _____ compared to the value of the antique car.

- adj.* so small or insignificant as to be not worth considering; negligible amounts or effects are too minor or unimportant to have any major impact

ANSWERS: 134. manipulate, 135. similarly, 136. dynamic, 137. feat, 138. innovation, 139. remainder, 140. configuration, 141. negligible

142. By remaining neutral, this _____ continued to exist.

n. the country ruled by a king or queen

143. The two plays have many _____ parallels.

adj. attractive and distinctive enough to draw notice; exceedingly appealing, frequently in an odd manner

144. What do you _____ the culprit's motive was?

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

145. This company has invested heavily in Internet _____.

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

146. 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

147. I need to _____ over the job offer before making a decision.

v. to think over carefully; to consider or ponder; to mix or stir thoroughly

148. The robot can accurately _____ construction material.

v. to specify or determine the exact position of someone or something

149. We _____ the season's total trade deficit at \$50 billion.

v. to guess or calculate the cost, size, value, etc. of something

150. I received a parcel of great _____.

n. the quantity or size of something that is very large; the main part of something

ANSWERS: 142. kingdom, 143. striking, 144. suppose, 145. commerce, 146. capture, 147. mull, 148. locate, 149. estimated, 150. bulk

151. The raising of interest rates _____ the inflation rate.

v. to become or cause to become steady or unlikely to give way

ANSWERS: 151. stabilizes