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Vocabulary Builder Reference from...

Vijay Kumar: Robots that fly ... and cooperate | TED Talk

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

All Words

IMPORTANT

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Session 1: Word List

autonomous

adj. capable of governing or controlling its affairs

synonym: independent, self-governing, self-reliant

(1) development of **autonomous** vehicles, (2) an **autonomous** judiciary

Five of the six provinces will become **autonomous** regions under the new federal system of government.

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.

aerial

n. a type of acrobatics or gymnastics performed while suspended from hanging fabric or rings; a pass or shot in sports (particularly in soccer or volleyball) that is made while the player is in the air

synonym: antenna, skywire, transmitter

(1) **aerial** antenna, (2) **aerial** photography

The **aerial** view from the airplane showed the beautiful landscape below.

terrific

adj. causing terror or fear; extremely great or intense; very good or excellent

synonym : fantastic, great, excellent

(1) absolutely **terrific**, (2) at a **terrific** speed

The view from the top of the mountain was **terrific**, with sweeping vistas of the valley below.

opportune

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

synonym : suitable, timely, practical

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

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

relate

v. to establish a connection or association between two or more things; to narrate or tell about an event, experience, or relationship; to empathize or feel sympathy with someone or something

synonym : connect, link, associate

(1) **relate** a story, (2) **relate** a message

He tried to **relate** his experience to the group, but they couldn't understand.

weigh

v. to have a particular weight; to carefully evaluate things before making a conclusion

synonym : consider, cogitate, count

(1) **weigh** heavily on stock prices, (2) **weigh** a cargo

The baby **weighs** 1 pound 3 oz.

pound

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

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

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

flee

v. to leave by running away, especially out of fear or danger

synonym : exit, escape, run away

(1) **flee** their homes, (2) **flee** abroad

It is a basic instinct to **flee** from a dangerous situation.

crew

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

synonym: team, group, squad

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

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

pilot

n. a person who flies an aircraft, especially as a job; a person qualified to guide ships through a difficult area of water

synonym: aviator, flyer, chief

(1) a test **pilot**, (2) **pilot** production

The **pilot** exercised great care in landing.

coordinate

v. to bring the different parts of the activity and the people into an organized, ordered, or efficient relationship; (adjective) of equal importance, rank, or degree

synonym: organize, harmonize, ordinate

(1) **coordinate** a special project, (2) a **coordinate** clause

We want to **coordinate** a schedule for the investigation.

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.

helicopter

n. a type of aircraft that is capable of hovering in place and moving vertically, as well as flying horizontally; often used for emergency medical services, military operations, and transport in areas with limited access

synonym:

chopper, copter, whirlybird

(1) **helicopter** ride, (2) police **helicopter**

The company's CEO arrived at the meeting via **helicopter** to avoid traffic congestion

rot

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

synonym: perish, decay, corrode

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

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

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.

retrofit

v. to put a new component or accessory into a machine that did not initially have it when manufactured

synonym: backfit, reconstruct, recycle

(1) **retrofit** an electronic system, (2) **retrofit** applications

A **retrofit** may involve putting in new door jambs.

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.

indoor

adj. located, happened, or used inside a building

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

Table tennis is an **indoor** sport.

consume

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

synonym : absorb, ingest, use up

(1) **consume** a large of alcohol, (2) **consume** electricity

A smaller car will **consume** less fuel.

watt

n. a standard unit for measuring electrical power

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

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

diameter

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

synonym : diam, width

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

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

spin

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

synonym : rotate, twirl, swirl

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

The tornado is **spinning** across the countryside, destroying everything in its path.

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.

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.

- tilt** v. to incline or bend from a vertical position; (noun) the act of inclining or the state of being inclined or leaning to one side
synonym : incline, slant, lean
(1) on the **tilt**, (2) **tilt** a chair
She **tilted** her head to the side, indicating she was listening.
- inclined** *adj.* having a tendency or preference for something; likely or disposed to think, feel, or behave in a certain way
synonym : disposed, prone, likely
(1) **inclined** to think, (2) **inclined** angle
I am **inclined** to believe that she is telling the truth.
- horizontal** *adj.* parallel to the ground or in a baseline; being at the same level as all members of a group
synonym : even, lying, parallel
(1) **horizontal** lines, (2) **horizontal** stripes
Airplanes need **horizontal** tails to improve stability.
- spinning** *n.* the act of rotating rapidly around an axis; in the context of textiles, the process of twisting fibers together to form thread or yarn
synonym : whirling, rotating, spinning wheel
(1) **spinning** machine, (2) **spinning** wheel
She took a **spinning** class at the gym to improve her cardiovascular fitness.
- 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**.

opposition

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

synonym : resistance, hostility, antagonism

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

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

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.

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.

axis

n. a real or imaginary straight line through a body or figure around which the object turns; a group of countries in special alliance

synonym : central, core, pole

(1) vertical **axis**, (2) a coordinate **axis**

The earth's **axis** of rotation is tilted 66.5 degrees to the ecliptic plane.

onboard

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

synonym: embark, aboard, on-load

(1) **onboard** the new employees, (2) **onboard** computer
The passengers were instructed to **onboard** the aircraft as quickly as possible so that the flight could depart on time.

essentially

adv. relating to the essential features or concepts of anything

synonym: fundamentally, basically, virtually

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

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**.

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.

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.

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.

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.

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.

characteristic

n. a typical feature or quality that can identify, tell apart, or describe something or somebody

synonym : feature, quality, attribute

(1) stripes **characteristic** of the zebra, (2) my friend's **characteristic** laugh

Bananas have their **characteristic** taste and odor.

parameter

n. a numerical or other measurable factors that characterize a system or set of data

synonym : factor, variable, characteristic

(1) **parameter** estimation, (2) **parameter** tuning

The temperature range was one of the critical **parameters** we had to consider when designing the experiment.

inertia

n. the quality or state of being inactive, sluggish, or slow to move or act

synonym : sluggishness, lethargy, idleness

(1) **inertia** resistance, (2) Newton's law of **inertia**

The object's **inertia** kept it moving in a straight line until acted upon by an outside force.

resistance

n. the act of defending oneself from an aggressor or refusing to accept something

synonym : opposition, antagonism, defiance

(1) **resistance** movement, (2) **resistance** to insulin

The bill to increase the consumption tax had passed despite much **resistance** from the public.

govern

v. to legally control and direct a country, city, group of people, etc. and be responsible for introducing new laws, organizing and maintaining public services

synonym : control, rule, preside

(1) a nation's right to **govern**, (2) **govern** a public enterprise

The regulations **governing** medical malpractice claims are rigorous.

angular

adj. measured by an angle or by the rate of change of an angle; having angles or an angular shape

synonym : jagged, angulate

(1) **angular** mountain ridge, (2) **angular** momentum

Any rotating body has **angular** momentum about its center of mass.

dramatically

adv. in a very impressive manner

synonym : greatly, noticeably, suddenly

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

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

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.

denote

v. to indicate or represent something; to serve as a symbol or sign of something; to express or designate a meaning or concept

synonym: indicate, signify, represent

(1) **denote** meaning, (2) **denote** a negative affect

The symbol on the map **denotes** the location of the city.

alpha

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

synonym: first, beginning, leader

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

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

inverse

adj. opposite in order, nature, or effect; reversed; reciprocal

synonym: opposite, reverse, contrary

(1) **inverse** function, (2) **inverse** matrix

The **inverse** relationship between price and demand is well-known in economics.

proportion

n. a part, share, or amount of something considered in comparative relation to a whole

synonym: ratio, balance, consonance

(1) direct **proportion**, (2) a building of vast **proportions**

He is more concerned about the **proportion** of his body fat than usual because of an upcoming bodybuilding competition.

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.

accelerometer

n. a device that measures acceleration or changes in motion, typically used in aerospace, automotive, and other engineering applications to monitor and control movement or to measure things like speed or vibration

synonym: sensor, g-sensor, gravimeter

(1) **accelerometer** reading, (2) high-precision

accelerometer

The phone's **accelerometer** measures its movement and orientation in three-dimensional space.

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.

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.

robust

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

synonym: healthy, strong, booming

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

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

recover

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

synonym: come back, convalesce, heal

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

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

intruder

n. someone who enters a place or situation without permission or invitation; someone who interrupts or interferes in something

synonym : trespasser, intruder, interloper

(1) illegal **intruder**, (2) infrared **intruder** system

The homeowner called the police when they spotted an **intruder** in their backyard.

biochemical

adj. relating to the chemical processes and substances that occur within living organisms

synonym : molecular, biological

(1) **biochemical** reaction, (2) complex **biochemical**

Biochemical research is essential to understanding the complex chemical reactions in living organisms.

leak

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

synonym : outflow, divulge, disclose

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

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

construct

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

synonym : build, assemble, create

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

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

beam

n. a long, sturdy piece of timber, metal, or other material used to support a structure or span a distance; a ray or stream of light emitted by a source

synonym : ray, ray of light, shaft of light

(1) **beam** of light, (2) a structural **beam** of a building

The sun's **beam** shone through the window and illuminated

the room.

column

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

synonym: line, pillar, cue

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

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

assemble

v. to collect in one place as a single group

synonym: gather, congregate, collect

(1) **assemble** your colleagues, (2) **assemble** a jigsaw puzzle

The president began to **assemble** an army.

cube

n. a three-dimensional shape with six square faces that are all equal in size; (of mathematics) the result of multiplying the number by itself three times

synonym: block, square, cell

(1) **cube** root, (2) ice **cube**

I cut the cheese into small **cubes** for the salad.

structure

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

synonym: construction, architecture, establishment

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

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

transport

n. a system for moving people or products from one location to another using automobiles, roads, and so on

synonym: shipment, transit, conveyance

(1) **transport** facilities, (2) access to public **transport**

Enhanced rail **transportation** is crucial for our business.

cargo

n. the goods carried by ship, aircraft, or other vehicles
synonym: shipment, freight, burden

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

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

payload

n. the amount of cargo or goods that a vehicle or equipment is designed to carry or transport; in computing, the amount of data that can be transmitted over a communication system

synonym: cargo, freight, shipment

(1) **payload** capacity, (2) satellite **payload**

The **payload** for the rocket launch included several satellites and scientific instruments.

experiment

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

synonym: experimentation, investigation

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

His **experiments** showed highly positive results.

earthquake

n. a sudden and violent shaking of the ground caused by the movement of rock beneath the earth's surface

synonym: seismic activity, tremor, temblor

(1) an **earthquake** zone, (2) an **earthquake-proof**

The violent **earthquake** caused widespread damage and injuries throughout the region.

collapse

v. to fall down or give way suddenly, often after breaking apart

synonym: tumble, spill, bankruptcy

(1) the stock market **collapsed**, (2) ready to **collapse**

The roof finally **collapsed** after three days and three nights of heavy snowfall.

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.

disaster

n. an unexpected event or series of events that cause widespread damage, destruction, or loss of life

synonym: catastrophe, calamity, tragedy

(1) global **disaster**, (2) **disaster** recovery

The **disaster** response team worked around the clock to aid those affected by the earthquake.

react

v. to take action in response to something

synonym: respond, reply, oppose

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

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

radiation

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

synonym: dissemination, emission, irradiation

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

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

fundamental

adj. forming an essential base or core from which everything else develops or is affected

synonym: basic, essential, entire

(1) **fundamental** education, (2) **fundamental** rights

Human behavior has **fundamental** characteristics.

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.

complicated

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

synonym: complex, convoluted, intricate

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

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

curve

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

synonym: bend, arc, turn

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

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

transform

v. to change in outward structure or looks;

synonym: alter, convert, change

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

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

dimension

n. a measurable extent of a particular kind, such as width, height, or length

synonym: extent, measurement, size

(1) new **dimension**, (2) the crosswise **dimension**

Overall **dimensions** are approximately 400x200mm.

consist

v. to be composed or made up of

synonym: lie in, comprise, exist

(1) **consist** mainly of cells, (2) **consist** only in knowing facts

This examination **consists** of five problems to solve.

snap

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

synonym: break, crack, fracture

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

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

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.

physics

n. the science of matter and energy and their interactions

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

He studied the **physics** of radiation.

velocity

n. the rate of change of an object's position with respect to time, often measured in meters per second (m/s)

synonym: speed, rapidity, swiftness

(1) initial **velocity**, (2) high **velocity**

The **velocity** of the car was too fast for the road conditions.

jerk

v. to make a sudden, sharp movement, or cause something to do this

synonym: wrench, jolt, twitch

(1) **jerk** her head back, (2) **jerk** the rope

The driver suddenly **jerked** the steering wheel to the left to avoid hitting the deer.

minimize

v. to make something, especially something bad, small or less serious

synonym: diminish, mitigate, belittle

(1) **minimize** a loss, (2) way to **minimize** conflict

I bought a gadget before my trip to help **minimize** stress during the flight.

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.

obstacle

n. a thing that blocks one's way or prevents or hinders progress

synonym: hindrance, barrier, block

(1) an **obstacle** to progress, (2) **obstacle** avoidance

The **obstacle** course was challenging but fun.

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.

intermediate

adj. situated between two locations, things, states, etc.; around the middle of a scale of evaluation

synonym: middle, medium, central

(1) **intermediate** sanction, (2) **intermediate** level

Purple is **intermediate** between blue and red.

whir

- v. to make a low, continuous, and often rhythmic sound, similar to the sound of a machine or a motor rotating at high speed; (noun) a low, continuous sound that is produced by something rotating quickly or moving rapidly through the air

synonym: whizz, buzz, hum

- (1) **whir** up and down, (2) machines **whirring**

The sound of the engine **whirred** as the plane took off.

obvious

adj. easy to see, discover or understand

synonym: apparent, conspicuous, evident

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

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

circular

adj. shaped like a circle; having a round form

synonym: round, loopy, oblique

- (1) **circular** economy, (2) non- **circular** orbit

The **circular** shape of the planet makes it difficult to determine which direction is north.

overhead

- n. the expense of maintaining something that is involved in operating a business, such as rent and heating; (adverb) above your head; in the sky

synonym: expense, upkeep, (adverb) aloft

- (1) **overhead** capital, (2) a cloud passing **overhead**

This merger will help them reduce **overhead** costs substantially.

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.

hoop

- n. a circular band or ring, often made of metal or wood, used as a toy, a part of the equipment, or a decoration

synonym : ring, circle, band

(1) **hoop** earring, (2) basketball **hoop**

The circus clown jumped through a fiery **hoop** as the audience gasped in amazement.

academic

adj. associated with schools, colleges, and universities, especially studying and thinking, not with practical skills

synonym : educational, scholarly, theoretical

(1) **academic** probation, (2) an **academic** discussion

An excellent historian must possess an **academic** mentality.

lab

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

synonym : workshop, laboratory, research chamber

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

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

reprogram

v. to modify or recreate a program

synonym : recreate, modify, revamp

(1) **reprogram** a device, (2) **reprogram** a database

He **reprogrammed** the computer's operating system to remove the safeguard.

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.

gap

n. a conspicuous disparity or difference separates something such as a figure, people, their opinions, situation, etc.

synonym : opening, lacuna, spread

(1) the **gap** between ideal and reality, (2) distance **gap**
Many people are working together to close the gender **gap**.

slightly

adv. in a small degree or extent; a little

synonym : barely, narrowly, scarcely

(1) increase **slightly**, (2) **slightly** alkaline soils

He moved his body **slightly** to the left.

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.

springboard

n. a board or device used for jumping or diving into the water or for launching oneself into the air for gymnastics or other acrobatic movements

synonym : diving board, launching pad, jumping-off point

(1) **springboard** dive, (2) **springboard** launch

The project's success became a **springboard** for the team to pursue bigger and more ambitious goals.

pirouette

n. a rapid spin of the body on the toes or the front part of the foot, especially performed by a ballet dancer

synonym : gyration, whirl, gyration

(1) perform a **pirouette**, (2) moves into a **pirouette**

She turned a triple **pirouette** on the ice.

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.

gear

n. a toothed wheel that engages another toothed mechanism to change the speed or direction of transmitted motion; a set of tools, equipment, or other items for a particular purpose

synonym: equipment, tools, apparatus

(1) sports **gear**, (2) a **gear** change lever

She checked her **gear** before embarking on the hike.

disadvantage

n. a drawback or a negative aspect of something; (verb) to put someone or something in an unfavorable position

synonym: detriment, drawback, (verb) disfavor

(1) the **disadvantage** of a plan, (2) **disadvantage** small businesses

A lack of education can be a significant **disadvantage** in today's job market.

employ

v. to give somebody a job and pay them for it; to make use of

synonym: hire, engage, use

(1) **employ** job seekers, (2) **employ** a new method

When making arrests, police officers frequently **employ** excessive force.

overcome

v. to succeed in controlling or dealing with something, such as a problem or difficulty; to defeat or overwhelm someone

synonym: beat, confound, overwhelm

(1) **overcome** opponents, (2) **overcome** all difficulties

He tried to **overcome** a bad reputation and win the election.

difficulty

n. a condition or state that causes problems

synonym: hardship, complication, problem

(1) the degree of **difficulty**, (2) **difficulty** in breathing

He has **difficulty** exercising because of a back injury sustained in an accident.

- clip** *n.* a small metal or plastic device used for holding an object or objects together or in place; a short part of electronic media, either an audio clip or video clip
synonym : buckle, hook, pin
(1) tie **clip**, (2) short video **clip**
He fastens some sheets of paper with a **clip**.
- desert** *n.* arid land with little or no vegetation often covered with sand or rocks
(1) **desert** basin, (2) oasis in the **desert**
This region is predominantly **desert**.
- ant** *n.* a very small insect that lives under the ground or in a mound in highly organized groups
synonym : pismire, insect
(1) a white **ant**, (2) **ant** bite
We can find many large **ant** mounds in this area.
- fig** *n.* a sweet and soft edible fruit with many seeds or a tree on which these grow
(1) **fig** marigold, (2) **fig** tree
He ate the dried **figs** he had preserved.
- nest** *n.* a structure in which animals lay their eggs or give birth to their young
synonym : roost, perch, burrow
(1) bird's **nest**, (2) a **nest** of thieves
The female birds build a **nest** and lay their eggs in May.
- explicit** *adj.* stated clearly and in detail, leaving no room for confusion or doubt
synonym : clear, unambiguous, unequivocal
(1) **explicit** content, (2) **explicit** instructions
The movie had an **explicit** sex scene that some viewers might find offensive.

communicate

v. to share or exchange information with others by speaking, writing, moving your body, or using other signals

synonym : convey, share, transmit

(1) **communicate** his anxieties to the psychiatrist,

(2) **communicate** well with my advisor

Dolphins use sound to **communicate** with each other.

implicit

adj. suggested but not directly expressed

synonym : implied, unstated, hinted

(1) **implicit** bias, (2) give **implicit** consent

The **implicit** meaning behind his words was clear, even though he did not explicitly say it.

coordination

n. the act of making all the people involved in a plan or activity work together effectively; the ability to control different parts of the body effectively

synonym : cooperation, teamwork, collaboration

(1) data **coordination**, (2) loss of muscle **coordination**

Synchronized swimming needs close **coordination** between six performers.

surround

v. to be all around something or somebody

synonym : encircle, encompass, envelop

(1) **surround** a town, (2) a stone wall **surrounds** the palace

On three sides, mountains **surround** the settlement.

monitor

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

synonym : proctor, check, observe

(1) **monitor** an exam, (2) **monitor** the data carefully

They used a special receiver to **monitor** police radio channels.

separate

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

synonym : disunite, isolate, ramify

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

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

translate

v. to convert or change words into another language

synonym: convert, transcribe, render

(1) **translate** a document into English, (2) **translate** the emotion to a movement

Translate the text from Italian into English.

decentralize

v. to move the power, control, or authority of an organization, government, or system from a single place to several smaller ones

synonym: deconcentrate, disperse, distribute

(1) **decentralize** authority, (2) **decentralize** organizational structure

We need to **decentralize** our data to recover quickly from a disaster.

accomplish

v. to finish or achieve something successfully

synonym: achieve, complete, execute

(1) **accomplish** a goal, (2) **accomplish** military operations
Humankind took centuries to **accomplish** true democracy.

insist

v. to say something clearly or demand something forcefully, especially when other people disagree with or oppose what you say

synonym: demand, assert, claim

(1) **insist** on a clear answer, (2) **insist** over and over
He **insisted** that she pay her debt to the last penny.

agnostic

n. a person who believes that it is impossible to know whether there is a god

synonym: skeptic, doubter, unbeliever

(1) **agnostic** world-view, (2) **agnostic** position

Her scientific background led her to be **agnostic** about the existence of a higher power.

anonymity

n. the condition of being anonymous or unidentified; the state of not revealing one's name, identity, or other personal information

synonym : obscurity, secrecy, namelessness

(1) comment with **anonymity**, (2) protect **anonymity**

The use of pseudonyms allows individuals to maintain their **anonymity** online.

maintain

v. to continue to uphold or sustain; to keep in a particular state or condition; to assert or declare something to be true

synonym : preserve, uphold, sustain

(1) **maintain** order, (2) **maintain** good health

I need to **maintain** my car regularly to prevent any major mechanical issues.

adapt

v. to make fit for or change to suit a new purpose or environment

synonym : adjust, acclimate, accustom

(1) **adapt** fully to the environment, (2) **adapt** as needed

I advised him to **adapt** to his new surroundings.

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.

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.

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.

blade

n. the flat part of a knife, weapon, or machine with a very thin edge used for cutting

synonym : knife, sword, cutter

(1) a **blade** of grass, (2) the **blade** of a turbine

The **blade** of the katana itself is still in excellent condition.

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.

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.

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.

quadruple

- v.* to consist of four items or people; to become four times as great or many
- (1) **quadruple** the amount, (2) **quadruple** the price of gold
His stock earnings **quadrupled**.

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.

graduate

- n.* a person who has a first degree from university or college; (*verb*) to complete the first course of university or college and get a degree
- synonym*: alumna, alum, grad
- (1) **graduate** degree program, (2) honor **graduate**
Many employers hire **graduate** trainees to train as managers.

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.

cubic

- adj.* having the shape of a cube or being of three dimensions; measured in units that are the third power of a linear unit
- synonym*: three-dimensional, boxlike, cubical
- (1) **cubic** meter, (2) **cubic** structure
The package was a **cubic** shape, which made it easier to stack on the shelf.

truss

- v.* to support, brace, or strengthen a structure or object with a framework, typically made of wood or metal; to bind or tie something together, usually tightly; (*noun*) a framework or structure composed of beams, bars, or

other elements that are designed to support or strengthen a roof, bridge, or other construction

synonym : support, brace, reinforce

(1) **truss** a chicken, (2) bridge **truss**

The construction workers had to **truss** up the beams to support the weight of the building.

blueprint

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

synonym : draft, prototype, sketch

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

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

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.

equip

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

synonym : prepare, furnish, provide

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

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

laser

n. a device that emits powerful and narrow light that can be used as a tool to cut metal through a process of optical amplification

synonym : beam, bar, ray

(1) **laser** printer, (2) pulse **laser**

The company holds patents on core components of **laser** jet printers.

scan

v. to examine something hastily, with the eyes or with a machine, to get information

synonym : look over, scrutinize, browse

(1) **scan** the face of the man, (2) **scan** a document into PDF
She stood on the podium and **scanned** an audience.

environment

n. the natural world such as air, water, and land in which humans, animals, and plants live

synonym : atmosphere, surroundings, climate

(1) **environment** affairs, (2) chaotic **environment**

Every human is responsible for taking care of the Earth's **environment**.

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.

doorway

n. an opening in a wall for a door to fit into

synonym : entrance, portal, gateway

(1) a wide **doorway**, (2) **doorway** to success

He leaned against the **doorway**, waiting for her to come home.

define

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

synonym : characterize, depict, express

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

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

navigate

v. to plan and direct the way that a ship, plane, etc. will travel, often by using a map

synonym : guide, helm, voyage

(1) **navigate** the Pacific, (2) **navigate** through a document
Our knowledge helps **navigate** our clients successfully.

frank

adj. honest and sincere; open and candid in expression

synonym : candid, direct, freehearted

(1) **frank** and open discussion, (2) make a **frank** apology
Full involvement means **frank** and prompt responses.

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.

remotely

adv. at a distance; not directly or easily accessible

synonym : distantly, remotely, slightly

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

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

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?

conclude

v. to come to an end or close; to reach a judgment or opinion by reasoning

synonym : complete, finish, decide

(1) **conclude** a meeting, (2) **conclude** that he is healthy

We **concluded** a cease-fire.

entertainment

n. public shows, films, television, or other performances or activities of enjoying people

synonym : amusement, recreation, enjoyment

(1) an elegant **entertainment**, (2) hour of **entertainment**

The hotel is famous for its **entertainment**, including the casino.

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.

instrument

n. an object used to make musical sounds, such as a piano, guitar, or drum; a tool or device used for a specific activity, particularly in specialist or scientific work

synonym: apparatus, tool, device

(1) musical **instruments**, (2) surgical **instruments**

This electronic **instrument** is required to undergo periodic inspections to ensure precision.

exclusive

adj. not divided or shared with others

synonym: sole, deluxe, limited

(1) **exclusive** authority, (2) **exclusive** clubs

The condo offers **exclusive** access to the beach.

valve

n. a device for controlling the flow of a fluid or gas through a pipe or duct by means of a movable part that opens, closes, or restricts the opening

synonym: tap, spigot, faucet

(1) electromagnetic **valve**, (2) **valve** control

The **valve** on the pipeline was leaking, so maintenance had to shut it off to make repairs.

Session 2: Spelling

1. an ag__e mind *adj.* able to move quickly and easily, often in a way that is graceful and controlled
2. int_____ate sanction *adj.* situated between two locations, things, states, etc.; around the middle of a scale of evaluation
3. su_____e you're right *v.* to think that something is likely to be actual or possible
4. co_____ct a dam *v.* to build or create something; to assemble or combine different parts to form something whole
5. a n__t of thieves *n.* a structure in which animals lay their eggs or give birth to their young
6. de___e a word *v.* to state or explain precisely the nature, scope, or meaning of something
7. re_____r approval ratings *v.* to return to a former condition, health, mind, or strength
8. re__t at a high temperature *v.* to take action in response to something
9. mo_____r an exam *v.* to observe, check, and track the progress or quality of something over a period of time
10. the bl__e of a turbine *n.* the flat part of a knife, weapon, or machine with a very thin edge used for cutting
11. tr_____rm an education system *v.* to change in outward structure or looks;
12. yield cu__e *n.* a bend or angle in a line or surface that deviates from a straight or flat path; a gradual or smooth change in direction or shape

ANSWERS: 1. agile, 2. intermediate, 3. suppose, 4. construct, 5. nest, 6. define, 7. recover, 8. react, 9. monitor, 10. blade, 11. transform, 12. curve

13. in___t over and over *v.* to say something clearly or demand something forcefully, especially when other people disagree with or oppose what you say
14. de___e a negative affect *v.* to indicate or represent something; to serve as a symbol or sign of something; to express or designate a meaning or concept
15. s___n the face of the man *v.* to examine something hastily, with the eyes or with a machine, to get information
16. 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
17. ho___r around the table *v.* to stay in one place in the air
18. qu_____le the amount *v.* to consist of four items or people; to become four times as great or many
19. fr___k and open discussion *adj.* honest and sincere; open and candid in expression
20. a coordinate a___s *n.* a real or imaginary straight line through a body or figure around which the object turns; a group of countries in special alliance
21. tie c___p *n.* a small metal or plastic device used for holding an object or objects together or in place; a short part of electronic media, either an audio clip or video clip
22. pr_____s improvement *n.* a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products

ANSWERS: 13. insist, 14. denote, 15. scan, 16. diver, 17. hover, 18. quadruple, 19.

frank, 20. axis, 21. clip, 22. process

23. ov____ad capital *n.* the expense of maintaining something that is involved in operating a business, such as rent and heating; (adverb) above your head; in the sky
24. di____er recovery *n.* an unexpected event or series of events that cause widespread damage, destruction, or loss of life
25. vertical a__s *n.* a real or imaginary straight line through a body or figure around which the object turns; a group of countries in special alliance
26. initial ve____ty *n.* the rate of change of an object's position with respect to time, often measured in meters per second (m/s)
27. Newton's law of in____a *n.* the quality or state of being inactive, sluggish, or slow to move or act
28. re____it applications *v.* to put a new component or accessory into a machine that did not initially have it when manufactured
29. an elegant ent____ent *n.* public shows, films, television, or other performances or activities of enjoying people
30. the c__w of a fishing boat *n.* a group of people who work together, especially on a ship or airplane
31. co____t only in knowing facts *v.* to be composed or made up of
32. st____ze prices *v.* to become or cause to become steady or unlikely to give way
33. re____it an electronic system *v.* to put a new component or accessory into a machine that did not initially have it when manufactured

ANSWERS: 23. overhead, 24. disaster, 25. axis, 26. velocity, 27. inertia, 28. retrofit, 29. entertainment, 30. crew, 31. consist, 32. stabilize, 33. retrofit

34. pa_____er tuning *n.* a numerical or other measurable factors that characterize a system or set of data
35. ve_____al takeoff *adj.* upright or perpendicular to a horizontal surface or line
36. w__r up and down *v.* to make a low, continuous, and often rhythmic sound, similar to the sound of a machine or a motor rotating at high speed; (noun) a low, continuous sound that is produced by something rotating quickly or moving rapidly through the air
37. re_____ly operate *adv.* at a distance; not directly or easily accessible
38. co_____e augmented reality *v.* to join or merge to form a single thing or group
39. 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
40. 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
41. complex bio_____al *adj.* relating to the chemical processes and substances that occur within living organisms
42. the stock market co_____sed *v.* to fall down or give way suddenly, often after breaking apart
43. ov_____me opponents *v.* to succeed in controlling or dealing with something, such as a problem or difficulty; to defeat or overwhelm someone

ANSWERS: 34. parameter, 35. vertical, 36. whirl, 37. remotely, 38. combine, 39. pitch, 40. somersault, 41. biochemical, 42. collapse, 43. overcome

44. a unit of acc_____ion *n.* a rate of increase in velocity; the rate of change of velocity with respect to time
45. in___t on a clear answer *v.* to say something clearly or demand something forcefully, especially when other people disagree with or oppose what you say
46. an ob_____le to progress *n.* a thing that blocks one's way or prevents or hinders progress
47. f__p a coin *v.* to turn over into a different position quickly; to throw or toss with a light motion
48. bio_____al reaction *adj.* relating to the chemical processes and substances that occur within living organisms
49. 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
50. a nation's right to go___n *v.* to legally control and direct a country, city, group of people, etc. and be responsible for introducing new laws, organizing and maintaining public services
51. ag__e in his movements *adj.* able to move quickly and easily, often in a way that is graceful and controlled
52. f_g tree *n.* a sweet and soft edible fruit with many seeds or a tree on which these grow

ANSWERS: 44. acceleration, 45. insist, 46. obstacle, 47. flip, 48. biochemical, 49. command, 50. govern, 51. agile, 52. fig

53. protect an_____ty *n.* the condition of being anonymous or unidentified; the state of not revealing one's name, identity, or other personal information
54. co_____de a meeting *v.* to come to an end or close; to reach a judgment or opinion by reasoning
55. a_t bite *n.* a very small insect that lives under the ground or in a mound in highly organized groups
56. plenty of ca__o space *n.* the goods carried by ship, aircraft, or other vehicles
57. su_____nd a town *v.* to be all around something or somebody
58. exp_____nt design *n.* the scientific test conducted to observe what happens and gain new knowledge
59. sp_____ng machine *n.* the act of rotating rapidly around an axis; in the context of textiles, the process of twisting fibers together to form thread or yarn
60. se_____te video into chapter *v.* to force, take, or pull apart; mark as different
61. de___e my position *v.* to state or explain precisely the nature, scope, or meaning of something
62. ma_____in order *v.* to continue to uphold or sustain; to keep in a particular state or condition; to assert or declare something to be true
63. series of exp_____nts *n.* the scientific test conducted to observe what happens and gain new knowledge
64. musical ins_____nts *n.* an object used to make musical sounds, such as a piano, guitar, or drum; a tool or device used for a specific activity, particularly in specialist or scientific work

ANSWERS: 53. anonymity, 54. conclude, 55. ant, 56. cargo, 57. surround, 58. experiment, 59. spinning, 60. separate, 61. define, 62. maintain, 63. experiment, 64. instrument

65. my friend's cha_____tic laugh *n.* a typical feature or quality that can identify, tell apart, or describe something or somebody
66. eq__p our children with some special skills *v.* to provide a person or a place with the things that are needed for a particular purpose or activity
67. 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
68. st_____ze blood sugar levels *v.* to become or cause to become steady or unlikely to give way
69. ad__t as needed *v.* to make fit for or change to suit a new purpose or environment
70. laws of ph_____s *n.* the science of matter and energy and their interactions
71. a white a_t *n.* a very small insect that lives under the ground or in a mound in highly organized groups
72. a co____n of water *n.* one of the vertical blocks that split content on a page or screen from top to bottom; an upright pillar that often supports an arch, entablature, or other structure or stands alone as a monument
73. ae____l antenna *n.* a type of acrobatics or gymnastics performed while suspended from hanging fabric or rings; a pass or shot in sports (particularly in soccer or volleyball) that is made while the player is in the air

ANSWERS: 65. characteristic, 66. equip, 67. introduction, 68. stabilize, 69. adapt, 70. physics, 71. ant, 72. column, 73. aerial

74. as_____le your colleagues *v.* to collect in one place as a single group
75. exposure to ra_____on *n.* the energy that comes from a nuclear reaction in the form of rays, waves, or particles and that can be hazardous to health
76. comment with an_____ty *n.* the condition of being anonymous or unidentified; the state of not revealing one's name, identity, or other personal information
77. ex_____it instructions *adj.* stated clearly and in detail, leaving no room for confusion or doubt
78. re_____e a story *v.* to establish a connection or association between two or more things; to narrate or tell about an event, experience, or relationship; to empathize or feel sympathy with someone or something
79. direct pro_____on *n.* a part, share, or amount of something considered in comparative relation to a whole
80. a tra_____ry missile *n.* the curved path followed by an object moving through space
81. ro_____y explain my idea *adv.* approximately but not precisely; with a violent manner
82. in_____e function *adj.* opposite in order, nature, or effect; reversed; reciprocal
83. fishing coo_____ve *adj.* involving doing something jointly or working with others to achieve a common goal
84. acc_____sh a goal *v.* to finish or achieve something successfully

ANSWERS: 74. assemble, 75. radiation, 76. anonymity, 77. explicit, 78. relate, 79. proportion, 80. trajectory, 81. roughly, 82. inverse, 83. cooperative, 84. accomplish

85. a mo__r mechanic *n.* a device that converts electricity, fuel, etc. into movement and makes a machine, vehicle, etc. work
86. at a te____ic speed *adj.* causing terror or fear; extremely great or intense; very good or excellent
87. ae____l photography *n.* a type of acrobatics or gymnastics performed while suspended from hanging fabric or rings; a pass or shot in sports (particularly in soccer or volleyball) that is made while the player is in the air
88. non-ci____ar orbit *adj.* shaped like a circle; having a round form
89. t__t a chair *v.* to incline or bend from a vertical position; (noun) the act of inclining or the state of being inclined or leaning to one side
90. co____t mainly of cells *v.* to be composed or made up of
91. na____te through a document *v.* to plan and direct the way that a ship, plane, etc. will travel, often by using a map
92. co____de that he is healthy *v.* to come to an end or close; to reach a judgment or opinion by reasoning
93. pr____er design *n.* a device with rotating blades or vanes used for propulsion or creating lift, typically used on boats or aircraft
94. stripes cha_____tic of the zebra *n.* a typical feature or quality that can identify, tell apart, or describe something or somebody

ANSWERS: 85. motor, 86. terrific, 87. aerial, 88. circular, 89. tilt, 90. consist, 91. navigate, 92. conclude, 93. propeller, 94. characteristic

95. his conclusion was ob____s *adj.* easy to see, discover or understand
96. satellite pa____d *n.* the amount of cargo or goods that a vehicle or equipment is designed to carry or transport; in computing, the amount of data that can be transmitted over a communication system
97. muscular st____th *n.* the quality or state of being physically, or sometimes mentally, strong
98. 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
99. control re____ly *adv.* at a distance; not directly or easily accessible
100. 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
101. ice c__e *n.* a three-dimensional shape with six square faces that are all equal in size; (of mathematics) the result of multiplying the number by itself three times
102. pa____d capacity *n.* the amount of cargo or goods that a vehicle or equipment is designed to carry or transport; in computing, the amount of data that can be transmitted over a communication system

ANSWERS: 95. obvious, 96. payload, 97. strength, 98. somersault, 99. remotely, 100. develop, 101. cube, 102. payload

103. do____y to success *n.* an opening in a wall for a door to fit into
104. cu__c meter *adj.* having the shape of a cube or being of three dimensions; measured in units that are the third power of a linear unit
105. 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
106. in_____e matrix *adj.* opposite in order, nature, or effect; reversed; reciprocal
107. opp_____on campaign *n.* the act of disagreeing or resisting; the state of strong disagreement
108. 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
109. give im_____it consent *adj.* suggested but not directly expressed
110. 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
111. short video c__p *n.* a small metal or plastic device used for holding an object or objects together or in place; a short part of electronic media, either an audio clip or video clip

ANSWERS: 103. doorway, 104. cubic, 105. dynamics, 106. inverse, 107. opposition, 108. execution, 109. implicit, 110. yaw, 111. clip

112. h__p earring *n.* a circular band or ring, often made of metal or wood, used as a toy, a part of the equipment, or a decoration
113. tr_____te a document into English *v.* to convert or change words into another language
114. 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
115. thousands of po__ds *n.* the standard unit of money in the UK; the standard unit of weight equal to 16 ounces
116. we__h heavily on stock prices *v.* to have a particular weight; to carefully evaluate things before making a conclusion
117. ob_____le avoidance *n.* a thing that blocks one's way or prevents or hinders progress
118. ad__t fully to the environment *v.* to make fit for or change to suit a new purpose or environment
119. 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
120. a building of vast pro_____ons *n.* a part, share, or amount of something considered in comparative relation to a whole
121. a com_____ed process *adj.* involving a lot of different things or parts in a way that is difficult to understand or analyze

ANSWERS: 112. hoop, 113. translate, 114. execution, 115. pound, 116. weigh, 117. obstacle, 118. adapt, 119. pitch, 120. proportion, 121. complicated

122. basketball h__p *n.* a circular band or ring, often made of metal or wood, used as a toy, a part of the equipment, or a decoration
123. a coo_____te clause *v.* to bring the different parts of the activity and the people into an organized, ordered, or efficient relationship; (adjective) of equal importance, rank, or degree
124. on_____d the new employees *v.* to become or make part of a team, group, or system; to install, activate, or begin using a piece of equipment or software; (adjective) included or integrated into a particular system, machine, or device
125. ex_____ve clubs *adj.* not divided or shared with others
126. na_____ly arising *adv.* as might be expected; by natural manners
127. ca_____e customers' hearts *v.* to catch a person or an animal and confine them in an area which they cannot escape
128. designed for in____r use *adj.* located, happened, or used inside a building
129. tr__s a chicken *v.* to support, brace, or strengthen a structure or object with a framework, typically made of wood or metal; to bind or tie something together, usually tightly; (noun) a framework or structure composed of beams, bars, or other elements that are designed to support or strengthen a roof, bridge, or other construction

ANSWERS: 122. hoop, 123. coordinate, 124. onboard, 125. exclusive, 126. naturally, 127. capture, 128. indoor, 129. truss

130. honor gr____te *n.* a person who has a first degree from university or college; (verb) to complete the first course of university or college and get a degree
131. oasis in the de____t *n.* arid land with little or no vegetation often covered with sand or rocks
132. perform a pi____te *n.* a rapid spin of the body on the toes or the front part of the foot, especially performed by a ballet dancer
133. nuclear ph____s *n.* the science of matter and energy and their interactions
134. new di____on *n.* a measurable extent of a particular kind, such as width, height, or length
135. absolutely te____ic *adj.* causing terror or fear; extremely great or intense; very good or excellent
136. 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
137. l_b instrument *n.* a workplace for the conduct of scientific research; a laboratory
138. access to public tr____rt *n.* a system for moving people or products from one location to another using automobiles, roads, and so on
139. re____r a loss *v.* to return to a former condition, health, mind, or strength
140. dec____ize organizational structure *v.* to move the power, control, or authority of an organization, government, or system from a single place to several smaller ones

ANSWERS: 130. graduate, 131. desert, 132. pirouette, 133. physics, 134. dimension, 135. terrific, 136. yaw, 137. lab, 138. transport, 139. recover, 140. decentralize

141. es_____te a fair value *v.* to guess or calculate the cost, size, value, etc. of something
142. architect's bl_____nt *n.* a photographic print of an early plan for a building or machine
143. ca_____te his credit score *v.* to judge or find out the amount or number of something by using mathematics
144. 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
145. ca_____te the distance *v.* to judge or find out the amount or number of something by using mathematics
146. a cloud passing ov_____ad *n.* the expense of maintaining something that is involved in operating a business, such as rent and heating; (adverb) above your head; in the sky
147. se_____te cream from milk *v.* to force, take, or pull apart; mark as different
148. high-precision acc_____ter *n.* a device that measures acceleration or changes in motion, typically used in aerospace, automotive, and other engineering applications to monitor and control movement or to measure things like speed or vibration
149. 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

ANSWERS: 141. estimate, 142. blueprint, 143. calculate, 144. grace, 145. calculate, 146. overhead, 147. separate, 148. accelerometer, 149. damage

150. the int_____on between man and his environment *n.* the act of connecting with someone, mainly when working, playing, or spending time with them
151. a ro___t appetite *adj.* sturdy and healthy in form, constitution, or construction; strong enough to withstand or overcome intellectual challenges or adversity
152. j__k her head back *v.* to make a sudden, sharp movement, or cause something to do this
153. hor_____al stripes *adj.* parallel to the ground or in a baseline; being at the same level as all members of a group
154. sp_____ng wheel *n.* the act of rotating rapidly around an axis; in the context of textiles, the process of twisting fibers together to form thread or yarn
155. 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
156. illegal in_____er *n.* someone who enters a place or situation without permission or invitation; someone who interrupts or interferes in something
157. env_____nt affairs *n.* the natural world such as air, water, and land in which humans, animals, and plants live
158. em___y a new method *v.* to give somebody a job and pay them for it; to make use of

ANSWERS: 150. interaction, 151. robust, 152. jerk, 153. horizontal, 154. spinning, 155. aerodynamics, 156. intruder, 157. environment, 158. employ

159. ess_____ly correct *adv.* relating to the essential features or concepts of anything
160. electromagnetic ra_____on *n.* the energy that comes from a nuclear reaction in the form of rays, waves, or particles and that can be hazardous to health
161. ci_____ar economy *adj.* shaped like a circle; having a round form
162. ro_____y speaking *adv.* approximately but not precisely; with a violent manner
163. way to mi_____ze conflict *v.* to make something, especially something bad, small or less serious
164. bird's n__t *n.* a structure in which animals lay their eggs or give birth to their young
165. coo_____te a special project *v.* to bring the different parts of the activity and the people into an organized, ordered, or efficient relationship; (adjective) of equal importance, rank, or degree
166. become increasingly com_____ed *adj.* involving a lot of different things or parts in a way that is difficult to understand or analyze
167. l__k data *v.* to allow liquid or gas to get in or out from a hole or crack in a pipe or container
168. dif_____ty in breathing *n.* a condition or state that causes problems
169. re_____am a device *v.* to modify or recreate a program

ANSWERS: 159. essentially, 160. radiation, 161. circular, 162. roughly, 163. minimize, 164. nest, 165. coordinate, 166. complicated, 167. leak, 168. difficulty, 169. reprogram

170. int_____ate level *adj.* situated between two locations, things, states, etc.; around the middle of a scale of evaluation
171. have a st___e job *adj.* firm and steady; not easily moved, disturbed, or changed
172. ex_____e a bold strategy *v.* to kill someone, especially as a legal punishment; to carry out or perform an action, duty, etc.
173. c___e root *n.* a three-dimensional shape with six square faces that are all equal in size; (of mathematics) the result of multiplying the number by itself three times
174. the degree of dif_____ty *n.* a condition or state that causes problems
175. ro___t growth *adj.* sturdy and healthy in form, constitution, or construction; strong enough to withstand or overcome intellectual challenges or adversity
176. em___y job seekers *v.* to give somebody a job and pay them for it; to make use of
177. a test pi__t *n.* a person who flies an aircraft, especially as a job; a person qualified to guide ships through a difficult area of water
178. r_t with age *v.* to decay, or cause something to decay, naturally and gradually
179. int_____on among human beings *n.* the act of connecting with someone, mainly when working, playing, or spending time with them

ANSWERS: 170. intermediate, 171. stable, 172. execute, 173. cube, 174. difficulty, 175. robust, 176. employ, 177. pilot, 178. rot, 179. interaction

180. s__n a document into PDF *v.* to examine something hastily, with the eyes or with a machine, to get information
181. career tra_____ry *n.* the curved path followed by an object moving through space
182. mi_____ze a loss *v.* to make something, especially something bad, small or less serious
183. 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
184. 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
185. ex_____it content *adj.* stated clearly and in detail, leaving no room for confusion or doubt
186. bridge tr__s *v.* to support, brace, or strengthen a structure or object with a framework, typically made of wood or metal; to bind or tie something together, usually tightly; (noun) a framework or structure composed of beams, bars, or other elements that are designed to support or strengthen a roof, bridge, or other construction
187. com_____te well with my advisor *v.* to share or exchange information with others by speaking, writing, moving your body, or using other signals

ANSWERS: 180. scan, 181. trajectory, 182. minimize, 183. advantage, 184. damage, 185. explicit, 186. truss, 187. communicate

188. 30-w__t light bulb	<i>n.</i>	a standard unit for measuring electrical power
189. ag____ic position	<i>n.</i>	a person who believes that it is impossible to know whether there is a god
190. re_____am a database	<i>v.</i>	to modify or recreate a program
191. co_____e electricity	<i>v.</i>	to spend something, especially fuel, energy, or time, in a large amount
192. j__k the rope	<i>v.</i>	to make a sudden, sharp movement, or cause something to do this
193. co_____d a battery	<i>n.</i>	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
194. we__h a cargo	<i>v.</i>	to have a particular weight; to carefully evaluate things before making a conclusion
195. su_____e beforehand	<i>v.</i>	to think that something is likely to be actual or possible
196. a wide do_____y	<i>n.</i>	an opening in a wall for a door to fit into
197. the dis_____age of a plan	<i>n.</i>	a drawback or a negative aspect of something; (verb) to put someone or something in an unfavorable position
198. hour of ent_____ent	<i>n.</i>	public shows, films, television, or other performances or activities of enjoying people

ANSWERS: 188. watt, 189. agnostic, 190. reprogram, 191. consume, 192. jerk, 193. command, 194. weigh, 195. suppose, 196. doorway, 197. disadvantage, 198. entertainment

199. acc_____ter reading *n.* a device that measures acceleration or changes in motion, typically used in aerospace, automotive, and other engineering applications to monitor and control movement or to measure things like speed or vibration
200. the film c__w *n.* a group of people who work together, especially on a ship or airplane
201. acc_____sh military operations *v.* to finish or achieve something successfully
202. electromagnetic va__e *n.* a device for controlling the flow of a fluid or gas through a pipe or duct by means of a movable part that opens, closes, or restricts the opening
203. coo_____ve savings *adj.* involving doing something jointly or working with others to achieve a common goal
204. an in___r pool *adj.* located, happened, or used inside a building
205. a g__r change lever *n.* a toothed wheel that engages another toothed mechanism to change the speed or direction of transmitted motion; a set of tools, equipment, or other items for a particular purpose
206. become ess_____ly same *adv.* relating to the essential features or concepts of anything
207. res_____ce movement *n.* the act of defending oneself from an aggressor or refusing to accept something

ANSWERS: 199. accelerometer, 200. crew, 201. accomplish, 202. valve, 203. cooperative, 204. indoor, 205. gear, 206. essentially, 207. resistance

208. loss of muscle coo_____ion *n.* the act of making all the people involved in a plan or activity work together effectively; the ability to control different parts of the body effectively
209. in_____a resistance *n.* the quality or state of being inactive, sluggish, or slow to move or act
210. as_____le a jigsaw puzzle *v.* to collect in one place as a single group
211. in_____ed angle *adj.* having a tendency or preference for something; likely or disposed to think, feel, or behave in a certain way
212. ov_____me all difficulties *v.* to succeed in controlling or dealing with something, such as a problem or difficulty; to defeat or overwhelm someone
213. make a fr__k apology *adj.* honest and sincere; open and candid in expression
214. 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
215. co_____e chemically with another substance *v.* to join or merge to form a single thing or group
216. an_____r momentum *adj.* measured by an angle or by the rate of change of an angle; having angles or an angular shape
217. high ve_____ty *n.* the rate of change of an object's position with respect to time, often measured in meters per second (m/s)

ANSWERS: 208. coordination, 209. inertia, 210. assemble, 211. inclined, 212. overcome, 213. frank, 214. advantage, 215. combine, 216. angular, 217. velocity

218. 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
219. dem_____ion project *n.* a display or show, often of a particular skill or product, intended to convince or persuade others
220. pr_____er aircraft *n.* a device with rotating blades or vanes used for propulsion or creating lift, typically used on boats or aircraft
221. DC mo__r control *n.* a device that converts electricity, fuel, etc. into movement and makes a machine, vehicle, etc. work
222. ex_____ve authority *adj.* not divided or shared with others
223. an aut_____us judiciary *adj.* capable of governing or controlling its affairs
224. tr_____rt facilities *n.* a system for moving people or products from one location to another using automobiles, roads, and so on
225. ac_____ic probation *adj.* associated with schools, colleges, and universities, especially studying and thinking, not with practical skills
226. the school ori_____on *n.* a person's basic attitudes, beliefs, and preferences about particular things; a course introducing a new situation or environment
227. the crosswise di_____on *n.* a measurable extent of a particular kind, such as width, height, or length

ANSWERS: 218. introduction, 219. demonstration, 220. propeller, 221. motor, 222. exclusive, 223. autonomous, 224. transport, 225. academic, 226. orientation, 227. dimension

228. l__k a classified memo *v.* to allow liquid or gas to get in or out from a hole or crack in a pipe or container
229. an ear _____ke zone *n.* a sudden and violent shaking of the ground caused by the movement of rock beneath the earth's surface
230. s__n thread out of cotton *v.* to cause something to rotate rapidly; to cause someone to feel dizzy or disoriented
231. ag_____ic world-view *n.* a person who believes that it is impossible to know whether there is a god
232. ob_____s reasons *adj.* easy to see, discover or understand
233. the spinal co____n *n.* one of the vertical blocks that split content on a page or screen from top to bottom; an upright pillar that often supports an arch, entablature, or other structure or stands alone as a monument
234. increase sl_____ly *adv.* in a small degree or extent; a little
235. s__p judgment *v.* to record on photographic film; to make a sudden, sharp sound; (noun) the act of catching an object with the hands
236. op_____ne occasion *adj.* suitable or happening at a time that is suitable or convenient for a particular purpose
237. gr_____te degree program *n.* a person who has a first degree from university or college; (verb) to complete the first course of university or college and get a degree

ANSWERS: 228. leak, 229. earthquake, 230. spin, 231. agnostic, 232. obvious, 233. column, 234. slightly, 235. snap, 236. opportune, 237. graduate

238. re__t against his way of thinking *v.* to take action in response to something
239. mo____r the data carefully *v.* to observe, check, and track the progress or quality of something over a period of time
240. fun_____al education *adj.* forming an essential base or core from which everything else develops or is affected
241. acc_____te the car *v.* to make something faster or earlier; to cause to develop or progress more quickly
242. co_____e a large of alcohol *v.* to spend something, especially fuel, energy, or time, in a large amount
243. data coo_____ion *n.* the act of making all the people involved in a plan or activity work together effectively; the ability to control different parts of the body effectively
244. va__e control *n.* a device for controlling the flow of a fluid or gas through a pipe or duct by means of a movable part that opens, closes, or restricts the opening
245. pa_____er estimation *n.* a numerical or other measurable factors that characterize a system or set of data
246. spr_____rd launch *n.* a board or device used for jumping or diving into the water or for launching oneself into the air for gymnastics or other acrobatic movements
247. an ear_____ke-proof *n.* a sudden and violent shaking of the ground caused by the movement of rock beneath the earth's surface

ANSWERS: 238. react, 239. monitor, 240. fundamental, 241. accelerate, 242. consume, 243. coordination, 244. valve, 245. parameter, 246. springboard, 247. earthquake

248. f__p over the pork chop *v.* to turn over into a different position quickly; to throw or toss with a light motion
249. acc_____te a chemical reaction *v.* to make something faster or earlier; to cause to develop or progress more quickly
250. an_____r mountain ridge *adj.* measured by an angle or by the rate of change of an angle; having angles or an angular shape
251. co_____ct a 3D image *v.* to build or create something; to assemble or combine different parts to form something whole
252. r__l down his cheeks *v.* to move in a particular direction by turning over and over or from side to side
253. tr___e digits *adj.* consisting of three items or people; three times as great or many
254. medical l_b *n.* a workplace for the conduct of scientific research; a laboratory
255. re___e a message *v.* to establish a connection or association between two or more things; to narrate or tell about an event, experience, or relationship; to empathize or feel sympathy with someone or something
256. a stone wall su_____nds the palace *v.* to be all around something or somebody
257. na_____te the Pacific *v.* to plan and direct the way that a ship, plane, etc. will travel, often by using a map

ANSWERS: 248. flip, 249. accelerate, 250. angular, 251. construct, 252. roll, 253. triple, 254. lab, 255. relate, 256. surround, 257. navigate

268. acc_____ion of an object *n.* a rate of increase in velocity; the rate of change of velocity with respect to time
269. 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
270. hel_____er ride *n.* a type of aircraft that is capable of hovering in place and moving vertically, as well as flying horizontally; often used for emergency medical services, military operations, and transport in areas with limited access
271. de___e meaning *v.* to indicate or represent something; to serve as a symbol or sign of something; to express or designate a meaning or concept
272. st_____th of the economy *n.* the quality or state of being physically, or sometimes mentally, strong
273. ve_____al axis *adj.* upright or perpendicular to a horizontal surface or line
274. police hel_____er *n.* a type of aircraft that is capable of hovering in place and moving vertically, as well as flying horizontally; often used for emergency medical services, military operations, and transport in areas with limited access
275. in st___e condition *adj.* firm and steady; not easily moved, disturbed, or changed
276. dis_____age small businesses *n.* a drawback or a negative aspect of something; (verb) to put someone or something in an unfavorable position

ANSWERS: 268. acceleration, 269. diver, 270. helicopter, 271. denote, 272. strength, 273. vertical, 274. helicopter, 275. stable, 276. disadvantage

277. the st_____re of a machine *n.* the way of construction of something and the arrangement of its parts, or a complex thing constructed of many parts
278. tr_____rm heat into power *v.* to change in outward structure or looks;
279. distance g_p *n.* a conspicuous disparity or difference separates something such as a figure, people, their opinions, situation, etc.
280. ho__r between life and death *v.* to stay in one place in the air
281. sports g__r *n.* a toothed wheel that engages another toothed mechanism to change the speed or direction of transmitted motion; a set of tools, equipment, or other items for a particular purpose
282. ex_____e a double play *v.* to kill someone, especially as a legal punishment; to carry out or perform an action, duty, etc.
283. cu__c structure *adj.* having the shape of a cube or being of three dimensions; measured in units that are the third power of a linear unit
284. la__r printer *n.* a device that emits powerful and narrow light that can be used as a tool to cut metal through a process of optical amplification
285. on the t__t *v.* to incline or bend from a vertical position; (noun) the act of inclining or the state of being inclined or leaning to one side
286. pulse la__r *n.* a device that emits powerful and narrow light that can be used as a tool to cut metal through a process of optical amplification

ANSWERS: 277. structure, 278. transform, 279. gap, 280. hover, 281. gear, 282. execute, 283. cubic, 284. laser, 285. tilt, 286. laser

287. machines w__rring *v.* to make a low, continuous, and often rhythmic sound, similar to the sound of a machine or a motor rotating at high speed; (noun) a low, continuous sound that is produced by something rotating quickly or moving rapidly through the air
288. ready to co____se *v.* to fall down or give way suddenly, often after breaking apart
289. s__p a whip *v.* to record on photographic film; to make a sudden, sharp sound; (noun) the act of catching an object with the hands
290. w__t per square meter *n.* a standard unit for measuring electrical power
291. meet with opp____on *n.* the act of disagreeing or resisting; the state of strong disagreement
292. eq__p an army *v.* to provide a person or a place with the things that are needed for a particular purpose or activity
293. bl____nt for economic reform *n.* a photographic print of an early plan for a building or machine
294. 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
295. unload the ca__o *n.* the goods carried by ship, aircraft, or other vehicles
296. decision-making pr____s *n.* a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products

ANSWERS: 287. whirl, 288. collapse, 289. snap, 290. watt, 291. opposition, 292. equip, 293. blueprint, 294. algorithm, 295. cargo, 296. process

297. chaotic env_____nt	<i>n.</i> the natural world such as air, water, and land in which humans, animals, and plants live
298. ma_____in good health	<i>v.</i> to continue to uphold or sustain; to keep in a particular state or condition; to assert or declare something to be true
299. he confessed dra_____lly	<i>adv.</i> in a very impressive manner
300. global di_____er	<i>n.</i> an unexpected event or series of events that cause widespread damage, destruction, or loss of life
301. st_____re and function of the brain	<i>n.</i> the way of construction of something and the arrangement of its parts, or a complex thing constructed of many parts
302. b__m of light	<i>n.</i> a long, sturdy piece of timber, metal, or other material used to support a structure or span a distance; a ray or stream of light emitted by a source
303. de___t basin	<i>n.</i> arid land with little or no vegetation often covered with sand or rocks
304. com_____te his anxieties to the psychiatrist	<i>v.</i> to share or exchange information with others by speaking, writing, moving your body, or using other signals
305. fun_____al rights	<i>adj.</i> forming an essential base or core from which everything else develops or is affected
306. dy_____cs of group	<i>n.</i> 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

ANSWERS: 297. environment, 298. maintain, 299. dramatically, 300. disaster, 301. structure, 302. beam, 303. desert, 304. communicate, 305. fundamental, 306. dynamics

307. 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
308. sexual ori_____on *n.* a person's basic attitudes, beliefs, and preferences about particular things; a course introducing a new situation or environment
309. a campus dem_____ion *n.* a display or show, often of a particular skill or product, intended to convince or persuade others
310. tr_____te the emotion to a movement *v.* to convert or change words into another language
311. sl_____ly alkaline soils *adv.* in a small degree or extent; a little
312. go____n a public enterprise *v.* to legally control and direct a country, city, group of people, etc. and be responsible for introducing new laws, organizing and maintaining public services
313. in_____ed to think *adj.* having a tendency or preference for something; likely or disposed to think, feel, or behave in a certain way
314. di_____er of an oval *n.* the length of a straight line passing through the center of a circle and connecting two points on the circumference
315. al__a particle *n.* the first letter in the Greek alphabet; in social and group dynamics, the highest or most dominant member of a group or social hierarchy

ANSWERS: 307. aerodynamics, 308. orientation, 309. demonstration, 310. translate, 311. slightly, 312. govern, 313. inclined, 314. diameter, 315. alpha

316. the RSA al_____hm *n.* a set of rules or rigorous instructions typically used to solve a specific problem or to perform a computation
317. qu_____le the price of gold *v.* to consist of four items or people; to become four times as great or many
318. res_____ce to insulin *n.* the act of defending oneself from an aggressor or refusing to accept something
319. the cabin pressure fell dra_____lly *adv.* in a very impressive manner
320. spr_____rd dive *n.* a board or device used for jumping or diving into the water or for launching oneself into the air for gymnastics or other acrobatic movements
321. the g_p between ideal and reality *n.* a conspicuous disparity or difference separates something such as a figure, people, their opinions, situation, etc.
322. 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
323. development of aut_____us vehicles *adj.* capable of governing or controlling its affairs
324. a tr___e mirror *adj.* consisting of three items or people; three times as great or many
325. es_____te this chicken to weigh three pounds *v.* to guess or calculate the cost, size, value, etc. of something
326. f_g marigold *n.* a sweet and soft edible fruit with many seeds or a tree on which these grow

ANSWERS: 316. algorithm, 317. quadruple, 318. resistance, 319. dramatically, 320. springboard, 321. gap, 322. grace, 323. autonomous, 324. triple, 325. estimate, 326. fig

327. dec_____ize authority *v.* to move the power, control, or authority of an organization, government, or system from a single place to several smaller ones
328. on_____d computer *v.* to become or make part of a team, group, or system; to install, activate, or begin using a piece of equipment or software; (adjective) included or integrated into a particular system, machine, or device
329. learning cu__e *n.* a bend or angle in a line or surface that deviates from a straight or flat path; a gradual or smooth change in direction or shape
330. hor_____al lines *adj.* parallel to the ground or in a baseline; being at the same level as all members of a group
331. 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
332. moves into a pi_____te *n.* a rapid spin of the body on the toes or the front part of the foot, especially performed by a ballet dancer
333. an ac_____ic discussion *adj.* associated with schools, colleges, and universities, especially studying and thinking, not with practical skills
334. f__e abroad *v.* to leave by running away, especially out of fear or danger

ANSWERS: 327. decentralize, 328. onboard, 329. curve, 330. horizontal, 331. develop, 332. pirouette, 333. academic, 334. flee

335. f__t accomplishment *n.* a notable or impressive achievement, especially one that requires great skill or bravery
336. surgical ins_____nts *n.* an object used to make musical sounds, such as a piano, guitar, or drum; a tool or device used for a specific activity, particularly in specialist or scientific work
337. r__l a ball *v.* to move in a particular direction by turning over and over or from side to side
338. im_____it bias *adj.* suggested but not directly expressed
339. s__n a top *v.* to cause something to rotate rapidly; to cause someone to feel dizzy or disoriented
340. f__e their homes *v.* to leave by running away, especially out of fear or danger
341. intellectual f__t *n.* a notable or impressive achievement, especially one that requires great skill or bravery
342. al__a radiation *n.* the first letter in the Greek alphabet; in social and group dynamics, the highest or most dominant member of a group or social hierarchy

ANSWERS: 335. feat, 336. instrument, 337. roll, 338. implicit, 339. spin, 340. flee, 341. feat, 342. alpha

Session 3: Fill in the Blanks

1. 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
2. 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
3. What do you _____ the culprit's motive was?
 - v.* to think that something is likely to be actual or possible
4. The president began to _____ an army.
 - v.* to collect in one place as a single group
5. The sun's _____ shone through the window and illuminated the room.
 - n.* a long, sturdy piece of timber, metal, or other material used to support a structure or span a distance; a ray or stream of light emitted by a source
6. Our knowledge helps _____ our clients successfully.
 - v.* to plan and direct the way that a ship, plane, etc. will travel, often by using a map
7. 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

ANSWERS: 1. algorithm, 2. grace, 3. suppose, 4. assemble, 5. beam, 6. navigate, 7. flipped

8. Draw a circle five centimeters in _____.
- n.* the length of a straight line passing through the center of a circle and connecting two points on the circumference
9. My father's death _____ my life completely.
- v.* to change in outward structure or looks;
10. Purple is _____ between blue and red.
- adj.* situated between two locations, things, states, etc.; around the middle of a scale of evaluation
11. He tried to _____ a bad reputation and win the election.
- v.* to succeed in controlling or dealing with something, such as a problem or difficulty; to defeat or overwhelm someone
12. 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
13. Synchronized swimming needs close _____ between six performers.
- n.* the act of making all the people involved in a plan or activity work together effectively; the ability to control different parts of the body effectively
14. 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
15. The driver suddenly _____ the steering wheel to the left to avoid hitting the deer.
- v.* to make a sudden, sharp movement, or cause something to do this

ANSWERS: 8. diameter, 9. transformed, 10. intermediate, 11. overcome, 12. advantages, 13. coordination, 14. acceleration, 15. jerked

16. Humankind took centuries to _____ true democracy.
- v. to finish or achieve something successfully
17. The _____ on the pipeline was leaking, so maintenance had to shut it off to make repairs.
- n. a device for controlling the flow of a fluid or gas through a pipe or duct by means of a movable part that opens, closes, or restricts the opening
18. The regulations _____ medical malpractice claims are rigorous.
- v. to legally control and direct a country, city, group of people, etc. and be responsible for introducing new laws, organizing and maintaining public services
19. His stock earnings _____.
- v. to consist of four items or people; to become four times as great or many
20. She is still _____ from a shot to her shoulder.
- v. to return to a former condition, health, mind, or strength
21. 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
22. Her scientific background led her to be _____ about the existence of a higher power.
- n. a person who believes that it is impossible to know whether there is a god
23. She checked her _____ before embarking on the hike.
- n. a toothed wheel that engages another toothed mechanism to change the speed or direction of transmitted motion; a set of tools, equipment, or other items for a particular purpose

ANSWERS: 16. accomplish, 17. valve, 18. governing, 19. quadrupled, 20. recovering, 21. divers, 22. agnostic, 23. gear

24. When making arrests, police officers frequently _____ excessive force.
v. to give somebody a job and pay them for it; to make use of
25. It is a basic instinct to _____ from a dangerous situation.
v. to leave by running away, especially out of fear or danger
26. He ate the dried _____ he had preserved.
n. a sweet and soft edible fruit with many seeds or a tree on which these grow
27. The phone rang at the most _____ time.
adj. suitable or happening at a time that is suitable or convenient for a particular purpose
28. The raising of interest rates _____ the inflation rate.
v. to become or cause to become steady or unlikely to give way
29. Five of the six provinces will become _____ regions under the new federal system of government.
adj. capable of governing or controlling its affairs
30. He did _____ pen-and-ink drawings in just a few days.
adj. involving a lot of different things or parts in a way that is difficult to understand or analyze
31. A smaller car will _____ less fuel.
v. to spend something, especially fuel, energy, or time, in a large amount
32. The company has shown an excellent growth _____ over the years.
n. the curved path followed by an object moving through space

ANSWERS: 24. employ, 25. flee, 26. figs, 27. opportune, 28. stabilizes, 29. autonomous, 30. complicated, 31. consume, 32. trajectory

33. He studied the _____ of radiation.

n. the science of matter and energy and their interactions

34. 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

35. I advised him to _____ to his new surroundings.

v. to make fit for or change to suit a new purpose or environment

36. Please refrigerate the meat, or it will ____.

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

37. She stood on the podium and _____ an audience.

v. to examine something hastily, with the eyes or with a machine, to get information

38. 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

39. He _____ the computer's operating system to remove the safeguard.

v. to modify or recreate a program

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

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

ANSWERS: 33. physics, 34. yaw, 35. adapt, 36. rot, 37. scanned, 38. demonstration, 39. reprogrammed, 40. robust

41. 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
42. He tried every possible treatment, including chemotherapy and _____ therapy.
- n.* the energy that comes from a nuclear reaction in the form of rays, waves, or particles and that can be hazardous to health
43. The package was a _____ shape, which made it easier to stack on the shelf.
- adj.* having the shape of a cube or being of three dimensions; measured in units that are the third power of a linear unit
44. The company can _____ access its employees' computers for troubleshooting purposes.
- adv.* at a distance; not directly or easily accessible
45. 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
46. He has _____ exercising because of a back injury sustained in an accident.
- n.* a condition or state that causes problems
47. The _____ meaning behind his words was clear, even though he did not explicitly say it.
- adj.* suggested but not directly expressed
48. Health and _____ are, above all, gold.
- n.* the quality or state of being physically, or sometimes mentally, strong

ANSWERS: 41. interaction, 42. radiation, 43. cubic, 44. remotely, 45. propeller, 46. difficulty, 47. implicit, 48. strength

49. The female birds build a _____ and lay their eggs in May.

n. a structure in which animals lay their eggs or give birth to their young

50. Enhanced rail _____ is crucial for our business.

n. a system for moving people or products from one location to another using automobiles, roads, and so on

51. Dolphins use sound to _____ with each other.

v. to share or exchange information with others by speaking, writing, moving your body, or using other signals

52. The organizational _____ of start-ups is often flat and straightforward.

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

53. Full involvement means _____ and prompt responses.

adj. honest and sincere; open and candid in expression

54. A lack of education can be a significant _____ in today's job market.

n. a drawback or a negative aspect of something; (verb) to put someone or something in an unfavorable position

55. The Prime Minister will pay a courtesy visit to the Nobel laureate's _____.

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

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

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

ANSWERS: 49. nest, 50. transportation, 51. communicate, 52. structure, 53. frank, 54. disadvantage, 55. lab, 56. curve

57. 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
58. This electronic _____ is required to undergo periodic inspections to ensure precision.
- n.* an object used to make musical sounds, such as a piano, guitar, or drum; a tool or device used for a specific activity, particularly in specialist or scientific work
59. We _____ a cease-fire.
- v.* to come to an end or close; to reach a judgment or opinion by reasoning
60. 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
61. The _____ relationship between price and demand is well-known in economics.
- adj.* opposite in order, nature, or effect; reversed; reciprocal
62. Table tennis is an _____ sport.
- adj.* located, happened, or used inside a building
63. 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

ANSWERS: 57. aerodynamics, 58. instrument, 59. concluded, 60. process, 61. inverse, 62. indoor, 63. introduction

64. The _____ exercised great care in landing.

n. a person who flies an aircraft, especially as a job; a person qualified to guide ships through a difficult area of water

65. The company's CEO arrived at the meeting via _____ to avoid traffic congestion

n. a type of aircraft that is capable of hovering in place and moving vertically, as well as flying horizontally; often used for emergency medical services, military operations, and transport in areas with limited access

66. The company's new CEO was known for his _____ personality.

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

67. I am _____ to believe that she is telling the truth.

adj. having a tendency or preference for something; likely or disposed to think, feel, or behave in a certain way

68. The circus clown jumped through a fiery _____ as the audience gasped in amazement.

n. a circular band or ring, often made of metal or wood, used as a toy, a part of the equipment, or a decoration

69. Airplanes need _____ tails to improve stability.

adj. parallel to the ground or in a baseline; being at the same level as all members of a group

70. The _____ shape of the planet makes it difficult to determine which direction is north.

adj. shaped like a circle; having a round form

ANSWERS: 64. pilot, 65. helicopter, 66. alpha, 67. inclined, 68. hoop, 69. horizontal, 70. circular

71. We need to _____ our data to recover quickly from a disaster.
v. to move the power, control, or authority of an organization, government, or system from a single place to several smaller ones
72. The condo offers _____ access to the beach.
adj. not divided or shared with others
73. There are _____ differences between the two wine-producing regions.
adj. easy to see, discover or understand
74. I bought a gadget before my trip to help _____ stress during the flight.
v. to make something, especially something bad, small or less serious
75. The _____ view from the airplane showed the beautiful landscape below.
n. a type of acrobatics or gymnastics performed while suspended from hanging fabric or rings; a pass or shot in sports (particularly in soccer or volleyball) that is made while the player is in the air
76. Human behavior has _____ characteristics.
adj. forming an essential base or core from which everything else develops or is affected
77. The ladder leaned against the _____ surface of the building.
adj. upright or perpendicular to a horizontal surface or line
78. He was _____ gifted.
adv. as might be expected; by natural manners
79. 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

ANSWERS: 71. decentralize, 72. exclusive, 73. obvious, 74. minimize, 75. aerial, 76. fundamental, 77. vertical, 78. naturally, 79. command

80. 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
81. The government tried to _____ the commercialization of this development.
- v.* to make something faster or earlier; to cause to develop or progress more quickly
82. 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
83. Five miles is _____ similar to eight kilometers.
- adv.* approximately but not precisely; with a violent manner
84. Relations between the two countries have been relatively _____ due to the summit meeting.
- adj.* firm and steady; not easily moved, disturbed, or changed
85. He fastens some sheets of paper with a _____.
- n.* a small metal or plastic device used for holding an object or objects together or in place; a short part of electronic media, either an audio clip or video clip
86. The _____ for the rocket launch included several satellites and scientific instruments.
- n.* the amount of cargo or goods that a vehicle or equipment is designed to carry or transport; in computing, the amount of data that can be transmitted over a communication system

ANSWERS: 80. orientation, 81. accelerate, 82. dynamics, 83. roughly, 84. stable, 85. clip, 86. payload

87. _____ research is essential to understanding the complex chemical reactions in living organisms.
adj. relating to the chemical processes and substances that occur within living organisms
88. The ship's _____ worked hard to repair the damaged sails before the next storm hit.
n. a group of people who work together, especially on a ship or airplane
89. The movie had an _____ sex scene that some viewers might find offensive.
adj. stated clearly and in detail, leaving no room for confusion or doubt
90. The passengers were instructed to _____ the aircraft as quickly as possible so that the flight could depart on time.
v. to become or make part of a team, group, or system; to install, activate, or begin using a piece of equipment or software; (adjective) included or integrated into a particular system, machine, or device
91. The baby _____ 1 pound 3 oz.
v. to have a particular weight; to carefully evaluate things before making a conclusion
92. She took a _____ class at the gym to improve her cardiovascular fitness.
n. the act of rotating rapidly around an axis; in the context of textiles, the process of twisting fibers together to form thread or yarn
93. We appreciate your _____ efforts.
adj. involving doing something jointly or working with others to achieve a common goal

ANSWERS: 87. Biochemical, 88. crew, 89. explicit, 90. onboard, 91. weighs, 92. spinning, 93. cooperative

94. 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
95. 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
96. Two birds were _____ overhead.
- v.* to stay in one place in the air
97. On three sides, mountains _____ the settlement.
- v.* to be all around something or somebody
98. He tried to _____ his experience to the group, but they couldn't understand.
- v.* to establish a connection or association between two or more things; to narrate or tell about an event, experience, or relationship; to empathize or feel sympathy with someone or something
99. His coach is a _____ Olympic champion.
- adj.* consisting of three items or people; three times as great or many
100. We _____ the season's total trade deficit at \$50 billion.
- v.* to guess or calculate the cost, size, value, etc. of something
101. The symbol on the map _____ the location of the city.
- v.* to indicate or represent something; to serve as a symbol or sign of something; to express or designate a meaning or concept

ANSWERS: 94. feat, 95. motors, 96. hovering, 97. surround, 98. relate, 99. triple, 100. estimated, 101. denotes

102. She _____ her head to the side, indicating she was listening.

- v. to incline or bend from a vertical position; (noun) the act of inclining or the state of being inclined or leaning to one side

103. He _____ that she pay her debt to the last penny.

- v. to say something clearly or demand something forcefully, especially when other people disagree with or oppose what you say

104. The construction workers had to _____ up the beams to support the weight of the building.

- v. to support, brace, or strengthen a structure or object with a framework, typically made of wood or metal; to bind or tie something together, usually tightly; (noun) a framework or structure composed of beams, bars, or other elements that are designed to support or strengthen a roof, bridge, or other construction

105. She _____ a quick picture of the beautiful sunset before it disappeared.

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

106. Many people are working together to close the gender _____.

- n. a conspicuous disparity or difference separates something such as a figure, people, their opinions, situation, etc.

107. The _____ party strongly disagreed with the government's proposed legislation.

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

108. He _____ hypotheses that no mathematician has ever imagined before.

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

ANSWERS: 102. tilted, 103. insisted, 104. truss, 105. snapped, 106. gap, 107. opposition, 108. constructs

109. He is more concerned about the _____ of his body fat than usual because of an upcoming bodybuilding competition.
- n.* a part, share, or amount of something considered in comparative relation to a whole
110. I need to _____ my car regularly to prevent any major mechanical issues.
- v.* to continue to uphold or sustain; to keep in a particular state or condition; to assert or declare something to be true
111. This examination _____ of five problems to solve.
- v.* to be composed or made up of
112. 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
113. The _____ response team worked around the clock to aid those affected by the earthquake.
- n.* an unexpected event or series of events that cause widespread damage, destruction, or loss of life
114. 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
115. The sound of the engine _____ as the plane took off.
- v.* to make a low, continuous, and often rhythmic sound, similar to the sound of a machine or a motor rotating at high speed; (noun) a low, continuous sound that is produced by something rotating quickly or moving rapidly through the air

ANSWERS: 109. proportion, 110. maintain, 111. consists, 112. damage, 113. disaster, 114. somersault, 115. whirred

116. The roof finally _____ after three days and three nights of heavy snowfall.
v. to fall down or give way suddenly, often after breaking apart
117. The tornado is _____ across the countryside, destroying everything in its path.
v. to cause something to rotate rapidly; to cause someone to feel dizzy or disoriented
118. Life expectancy has grown _____ this century.
adv. in a very impressive manner
119. This merger will help them reduce _____ costs substantially.
n. the expense of maintaining something that is involved in operating a business, such as rent and heating; (adverb) above your head; in the sky
120. The earth's _____ of rotation is tilted 66.5 degrees to the ecliptic plane.
n. a real or imaginary straight line through a body or figure around which the object turns; a group of countries in special alliance
121. He _____ serious accounting irregularities that only people in the company's executive could know.
v. to allow liquid or gas to get in or out from a hole or crack in a pipe or container
122. They used a special receiver to _____ police radio channels.
v. to observe, check, and track the progress or quality of something over a period of time
123. An excellent historian must possess an _____ mentality.
adj. associated with schools, colleges, and universities, especially studying and thinking, not with practical skills

ANSWERS: 116. collapsed, 117. spinning, 118. dramatically, 119. overhead, 120. axis, 121. leaked, 122. monitor, 123. academic

124. A _____ may involve putting in new door jams.

- v.* to put a new component or accessory into a machine that did not initially have it when manufactured

125. She turned a triple _____ on the ice.

- n.* a rapid spin of the body on the toes or the front part of the foot, especially performed by a ballet dancer

126. I cut the cheese into small _____ for the salad.

- n.* a three-dimensional shape with six square faces that are all equal in size; (of mathematics) the result of multiplying the number by itself three times

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

- n.* a standard unit for measuring electrical power

128. How did he _____ to your idea?

- v.* to take action in response to something

129. Any rotating body has _____ momentum about its center of mass.

- adj.* measured by an angle or by the rate of change of an angle; having angles or an angular shape

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

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

131. Bananas have their _____ taste and odor.

- n.* a typical feature or quality that can identify, tell apart, or describe something or somebody

ANSWERS: 124. retrofit, 125. pirouette, 126. cubes, 127. watt, 128. react, 129. angular, 130. separate, 131. characteristic

132. The newspaper devoted several _____ to the affair.

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

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

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

134. The hotel is famous for its _____ including the casino.

- n.* public shows, films, television, or other performances or activities of enjoying people

135. The car's front bumper cost fifteen hundred _____.

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

136. The view from the top of the mountain was _____ with sweeping vistas of the valley below.

- adj.* causing terror or fear; extremely great or intense; very good or excellent

137. We want to _____ a schedule for the investigation.

- v.* to bring the different parts of the activity and the people into an organized, ordered, or efficient relationship; (adjective) of equal importance, rank, or degree

138. Overall _____ are approximately 400x200mm.

- n.* a measurable extent of a particular kind, such as width, height, or length

139. Every human is responsible for taking care of the Earth's _____.

- n.* the natural world such as air, water, and land in which humans, animals, and plants live

ANSWERS: 132. columns, 133. cargo, 134. entertainment, 135. pounds, 136. terrific, 137. coordinate, 138. dimensions, 139. environment

140. To advance this discussion, we must _____ "success" rigorously.
- v. to state or explain precisely the nature, scope, or meaning of something
141. 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
142. 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
143. Hydrogen and oxygen _____ to form water.
- v. to join or merge to form a single thing or group
144. _____ a society is an organism.
- adv. relating to the essential features or concepts of anything
145. This region is predominantly _____.
- n. arid land with little or no vegetation often covered with sand or rocks
146. The phone's _____ measures its movement and orientation in three-dimensional space.
- n. a device that measures acceleration or changes in motion, typically used in aerospace, automotive, and other engineering applications to monitor and control movement or to measure things like speed or vibration
147. 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

ANSWERS: 140. define, 141. develop, 142. pitch, 143. combine, 144. Essentially, 145. desert, 146. accelerometer, 147. rolled

148. He leaned against the _____ waiting for her to come home.

n. an opening in a wall for a door to fit into

149. The project's success became a _____ for the team to pursue bigger and more ambitious goals.

n. a board or device used for jumping or diving into the water or for launching oneself into the air for gymnastics or other acrobatic movements

150. The use of pseudonyms allows individuals to maintain their _____ online.

n. the condition of being anonymous or unidentified; the state of not revealing one's name, identity, or other personal information

151. 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

152. The _____ of the katana itself is still in excellent condition.

n. the flat part of a knife, weapon, or machine with a very thin edge used for cutting

153. We can find many large _____ mounds in this area.

n. a very small insect that lives under the ground or in a mound in highly organized groups

154. _____ the text from Italian into English.

v. to convert or change words into another language

155. His _____ showed highly positive results.

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

ANSWERS: 148. doorway, 149. springboard, 150. anonymity, 151. capture, 152. blade, 153. ant, 154. Translate, 155. experiments

156. The construction company _____ the building with an earthquake-resistant device.
- v.* to provide a person or a place with the things that are needed for a particular purpose or activity
157. The temperature range was one of the critical _____ we had to consider when designing the experiment.
- n.* a numerical or other measurable factors that characterize a system or set of data
158. He moved his body _____ to the left.
- adv.* in a small degree or extent; a little
159. The _____ of the car was too fast for the road conditions.
- n.* the rate of change of an object's position with respect to time, often measured in meters per second (m/s)
160. The violent _____ caused widespread damage and injuries throughout the region.
- n.* a sudden and violent shaking of the ground caused by the movement of rock beneath the earth's surface
161. The object's _____ kept it moving in a straight line until acted upon by an outside force.
- n.* the quality or state of being inactive, sluggish, or slow to move or act
162. 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.

ANSWERS: 156. equipped, 157. parameters, 158. slightly, 159. velocity, 160. earthquake, 161. inertia, 162. executed

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

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

164. The _____ course was challenging but fun.

n. a thing that blocks one's way or prevents or hinders progress

165. The company holds patents on core components of _____ jet printers.

n. a device that emits powerful and narrow light that can be used as a tool to cut metal through a process of optical amplification

166. The bill to increase the consumption tax had passed despite much _____ from the public.

n. the act of defending oneself from an aggressor or refusing to accept something

167. A business plan is a _____ for your success.

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

168. 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

169. 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

170. The homeowner called the police when they spotted an _____ in their backyard.

n. someone who enters a place or situation without permission or invitation; someone who interrupts or interferes in something

ANSWERS: 163. graduate, 164. obstacle, 165. laser, 166. resistance, 167. blueprint, 168. agile, 169. execution, 170. intruder

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

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

ANSWERS: 171. calculate