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Auke Ijspeert: A robot that runs and swims like a salamander | TED Talk

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

All Words

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Session 1: Word List

mimic

v. to imitate someone's speech, movement, or behavior, especially to make others laugh

synonym: mirror, imitate, ape

(1) **mimic** a human voice, (2) **mimic** numerous instruments

He is very popular at school because he can **mimic** all the teachers' accents.

salamander

n. any of various typically terrestrial amphibians that resemble lizards and that return to water only to breed

synonym: amphibian

(1) terrestrial **salamander**, (2) semiaquatic **salamander**

We plan to raise a giant **salamander** as a pet.

waltz

n. a ballroom dance in triple time that originated in Vienna and is characterized by a flowing, graceful style and a strong accent on the first beat of each measure

synonym: ballroom dance, tango, foxtrot

(1) **waltz** music, (2) elegant **waltz**

The dancers practiced the steps of the **waltz** meticulously to perfect their performance.

neuroscience

n. the scientific study of the function, structure, and disorder of the brain and the nervous system

(1) the branch of **neuroscience**, (2) a theoretical concept in **neuroscience**

Our university is famous for its professors, who are well-versed in behavioral **neuroscience**.

neurobiology

n. a field of biology that studies the structure, function, and development of the nervous system, including the brain, spinal cord, and peripheral nerves encompassing a wide range of research topics, including the molecular and cellular processes involved in neural signaling, the organization of neural circuits, and the neural basis of behavior, cognition, and emotion

synonym: brain science, neural science, neurology

(1) **neurobiology** research, (2) cellular **neurobiology**

The professor's research in **neurobiology** has led to groundbreaking discoveries in the field of brain science.

spinal

adj. of or relating to the spine (= the long bone in the body's back)

(1) **spinal** injury, (2) brain and **spinal** cord

The surgeon carefully confirmed how to remove the tumor to avoid damaging the **spinal** nerves.

cord

n. a strong, thick, or thin thread or rope; a piece of plastic-coated wire used to transport electricity to a piece of equipment

synonym: wire, cable, string

(1) spinal **cord**, (2) electrical **cord**

Your spinal **cord** is located deep within your body.

locomotion

n. the action or ability to move from one place to another

synonym: movement, travel, mobility

(1) **locomotion** system, (2) **locomotion** control

The **locomotion** of the robotic arm was smooth and precise.

biology

n. the scientific study of life and the natural processes of living things

(1) evolutionary **biology**, (2) cell and molecular **biology**
In junior high school, we had to dissect a frog in **biology** class.

impressive

adj. arousing admiration due to size, quality, or skill

synonym: impactful, remarkable, exceptional

(1) **impressive** performances, (2) an **impressive** array of facts

The budget reduction was an **impressive** feat for our nation.

dolphin

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

synonym: porpoise, cetacean, marine mammal

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

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

jog

v. to run or move at a slow or leisurely pace, typically for exercise; to continue talking or writing without a definite plan or purpose

synonym: run, sprint, trot

(1) **jog** in place, (2) **jog** my memory

She decided to **jog** around the park to clear her head.

amazing

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

synonym: exceptional, extraordinary, wonderful

(1) **amazing** advances, (2) the most **amazing** feeling

The golfer recorded an **amazing** distance.

nervous

adj. worried and anxious about something; relating to the nerves

synonym: neural, anxious, uneasy

(1) development of the **nervous** system, (2) get **nervous**

He suffers from **nervous** breakdowns.

complexity

n. the state or quality of being complicated or intricate and difficult to understand

synonym: intricacy, sophistication, elaboration

(1) cognitive **complexity**, (2) **complexity** theory

The project's **complexity** made it difficult for the team to complete it on time.

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.

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.

component

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

synonym: element, part, factor

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

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

underestimate

v. to think or suppose that a quantity, price, or size is smaller than it is

synonym: underrate, misjudge, miscalculate

(1) **underestimate** an enemy, (2) **underestimate** the probability

They frequently **underestimated** their abilities and felt inferior.

extent

n. the point or degree or area to which something extends
synonym : amount, degree, intensity

(1) certain **extent**, (2) the **extent** of the damage

I was amazed at the **extent** of her generosity.

biomechanics

n. the study and application of mechanical principles to biological systems, especially as related to human movement and the physical performance of athletes and performers

(1) **biomechanics** of movement, (2) **biomechanics** research

The study of **biomechanics** is important in understanding the physical implications of movement and sports performance.

simplify

v. to make something more straightforward, more understandable, or easier to do

synonym : streamline, clarify, elucidate

(1) **simplify** my life, (2) **simplify** the process

Please **simplify** your explanation for the children.

reflex

n. an automatic and unthinking response to a particular stimulus; a physical reaction to external stimuli

synonym : reaction, response, instinct

(1) **reflex** test, (2) knee **reflex**

My leg kicked involuntarily when the doctor tapped my knee with the **reflex** hammer.

sensory

adj. of or relating to the physical senses

synonym : receptive, sensuous, neural

(1) a **sensory** organ, (2) a child with **sensory** issues

Sharks have highly developed **sensory** systems and are extremely sensitive creatures.

loop

n. a shape like a curve or a circle made by something long and thin, such as a piece of string, that bends round and crosses itself

synonym : circle, curl, spiral

(1) exit from a **loop**, (2) positive feedback **loop**
Many people in this city use the **loop** railway for transportation.

neural

adj. of or relating to a nerve or the nervous system that includes the brain

synonym: sensory, neuronic, nervous

(1) **neural** stem cells, (2) **neural** networks in AI
There was a disturbance of **neural** function.

mechanical

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

synonym: machinelike, automated, automatic

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

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

circuit

n. (in electrical engineering) an electrical device that provides a path for electrical current to flow; a journey or route around a particular place or area

synonym: route, course, rotation

(1) **circuit** breaker, (2) federal **circuit** courts

An intelligent battery has a voltage monitoring **circuit**.

vertebrate

adj. relating to animals that have a backbone or spinal column, such as mammals, birds, reptiles, amphibians, and fish

synonym: animal, chordate, backboned

(1) the muscle tissue of a **vertebrate**, (2) **vertebrate** biology
The presence of a backbone is a defining characteristic of **vertebrate** animals.

coordinated

adj. effectively arranged or organized so that all the parts work smoothly or systematically together

synonym: collective, unified, cooperative

(1) in a **coordinated** manner, (2) **coordinated** robot system

For greater efficiency, our efforts must be better **coordinated**.

rhythmic

adj. having a pattern of regular beats or a regular beat; characterized by rhythm

synonym : measured, metrical, cadenced

(1) a **rhythmic** stroking, (2) in a **rhythmic** pace

The **rhythmic** sound of the drums was mesmerizing.

descend

v. to move downward and lower; to come from, or to be connected by a relationship of blood

synonym : dip, drop, come down

(1) **descend** a steep hill, (2) **descend** by elevator

She was **descended** from an old Italian noble family.

modulate

v. to change the key, style, loudness, etc., of something in music to create a particular effect; to fix or adjust the time, amount, degree, or rate of something

synonym : regulate, inflect, adjust

(1) **modulate** the function, (2) **modulate** from one key to another

These chemicals **modulate** the effect of metabolism.

brain

n. the organ inside the head that is responsible for one's movement, thought, memory, and feeling

synonym : intellect, mind, encephalon

(1) basic **brain** function, (2) permanent **brain** damage

X-rays revealed a small tumor in his **brain**.

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.

cortex

n. the outermost layer of an organ, especially the brain

(1) **cortex** cells, (2) visual **cortex** neuron

The cerebral **cortex** consists of six layers.

cerebellum

n. the part of the brain at the back of the head that plays an important role in motor control, balance, and coordination

(1) **cerebellum** function, (2) development of **cerebellum**

An injury to the **cerebellum** can cause difficulty with walking, speaking, and maintaining posture.

basal

adj. forming or belonging to a bottom layer or base of something

synonym: beginning, rudimentary, introductory

(1) **basal** activity, (2) **basal** cells in the skin

The patient has to keep a record of **basal** body temperature.

ganglion

n. a group of nerve cells located outside the brain and spinal cord, often forming a swelling or knot; responsible for controlling certain bodily functions or movements

synonym: nerve center, nervous system

(1) **ganglion** cyst, (2) spinal **ganglion**

The patient's **ganglion** was causing severe pain in their wrist.

implant

v. to insert or fix an artificial device in a person's body; to put an idea, attitude, etc., firmly in the mind

synonym: insert, fix, place

(1) **implant** genes in the animals, (2) **implant** into the uterus

The doctor will **implant** a pacemaker to regulate his heart rate.

electrode

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

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

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

vertebra

n. a bone in the spine, or the spinal column forming the supporting structure of the spine and protecting the spinal cord

(1) cervical **vertebra**, (2) **vertebra** injury

He uses a **vertebra** traction machine for his treatment.

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.

dynamic

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

synonym: energetic, active, vital

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

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

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.

mathematics

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

synonym: arithmetic, calculation, calculus

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

He has a flair for **mathematics**.

inspiration

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

synonym: motivation, drive, encouragement

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

outdoors

adv. in or into the open air; outside a building or structure

synonym: outside, al fresco, in the open air

(1) exhausted **outdoors**, (2) sleep **outdoors**

She loves to hike **outdoors** and explore nature.

rescue

v. to save someone or something from a dangerous or difficult situation

synonym: save, extricate, retrieve

(1) **rescue** a dying dog, (2) **rescue** a company from bankruptcy

The fire department arrived just in time to **rescue** the family from the burning building.

handle

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

synonym: control, manage, deal with

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

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

terrain

n. the physical features of a piece of land, including hills, valleys, rivers, and forests

synonym: land, geography, topography

(1) **terrain** map, (2) permafrost **terrain**

The mountainous **terrain** was rough and rocky.

hydrodynamics

n. the scientific study of the motion and behavior of fluids, especially liquids, and the forces that act on them

synonym: fluid dynamics, liquid mechanics, hydrology

(1) **hydrodynamics** research, (2) marine **hydrodynamics**

My research involves studying the **hydrodynamics** of submarine canyons.

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**.

collaborate *v.* to work with someone else to produce or achieve something

synonym: cooperate, unite, get together

(1) **collaborate** with the police, (2) **collaborate** on a press release

She agreed to **collaborate** with him in creating new artwork.

validate *v.* to check or prove that something is true; to make something officially or legally acceptable or approved

synonym: approve, certify, verify

(1) **validate** a hypothesis, (2) **validate** a passport

To **validate** your purchase, please visit the following link.

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

synonym: elementary, naive, rudimentary

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

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

gradual *adj.* happening slowly over a long period of time or distance; not steep or abrupt

synonym: incremental, gradational, piecemeal

(1) a **gradual** process, (2) a **gradual** change

The country experienced a **gradual** increase in population.

approximate *adj.* nearly accurate or correct, but not completely so

synonym: rough, close, near

(1) linear **approximate** equation, (2) **approximate** time

The **approximate** cost of the project was estimated to be around \$500,000.

physics

n. the science of matter and energy and their interactions

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

He studied the **physics** of radiation.

mud

n. a soft, wet, sticky earth or clay

synonym: muck, sludge, ooze

(1) **mud** wall, (2) **mud** volcano

The **mud** of the swamp made it difficult to walk through the field.

prop

n. a piece of wood, metal, etc., placed beneath or against something to support it or keep it in position; a system, institution, or person that gives help or support to someone or something

synonym: support, buttress, column

(1) emotional **prop**, (2) **prop** stick

We have finally lost our last **prop**.

amphibian

n. a cold-blooded animal that can live both on land and in water

synonym: frog, toad, salamander

(1) **amphibian** species, (2) **amphibian** habitat

Scientists are concerned about the rapid decline in **amphibian** populations around the world.

evolutionary

adj. relating to or denoting how living things develop or change from earlier forms

synonym: developmental, mutative, transformative

(1) ecology and **evolutionary** biology, (2) the **evolutionary** process

Evolutionary algorithms can find ways to optimize that humans do not anticipate.

- eel** *n.* a type of elongated, snake-like fish that lives in freshwater or saltwater and has a slimy, scaleless body and no pelvic fins
(1) glass **eel**, (2) electric **eel**
The fisherman caught a slippery **eel** while out on the lake.
- quadruped** *n.* an animal that has four feet
synonym: four-legged, four-legged creature, four-legged animal
(1) **quadruped** walking vehicle, (2) **quadruped** robot
The **quadruped** animal was able to move quickly on four legs.
- modern** *adj.* of or belonging to the present time or recent times
synonym: contemporary, stylish, current
(1) **modern** poetry, (2) pre- **modern** agricultural society
Their headquarters are in a **modern** skyscraper.
- terrestrial** *adj.* of or relating to the Earth; relating to or inhabiting the land or the ground as opposed to the sea or air
synonym: earthy, earthborn, telluric
(1) **terrestrial** planets, (2) **terrestrial** heat
Terrestrial longitude is measured in degrees east or west of the Prime Meridian.
- fossil** *n.* any preserved remains, impression, or trace of any once-living thing that has become hard and turned into rock
synonym: relic, remnant, antediluvian
(1) burning of **fossil** fuels, (2) a **fossil** leaf
It was the **fossil** of a dinosaur tooth.
- ancestor** *n.* a person from whom one is descended; a forefather
synonym: forebear, forefather, progenitor
(1) **ancestor** language, (2) earliest human **ancestor**
My remote **ancestor** immigrated to the United States from Ireland in the 1800s.

tetrapod

- n.* a vertebrate animal with four feet or leg-like appendages, especially a member of the group that includes amphibians, reptiles, birds, and mammals; a specific type of coastal defense structure which has large, four-legged concrete or rock structures commonly used in coastal engineering to protect shorelines from erosion and the impact of waves

synonym : quadriped, four-legged animal, amphibian

(1) amphibious **tetrapod**, (2) aquatic **tetrapod**

Dinosaurs were ancient **tetrapods** that ruled the Earth millions of years ago.

gait

- n.* a person's manner of walking, running, or moving on foot; a particular pattern or style of movement or locomotion

synonym : pace, stride, step

(1) awkward **gait**, (2) brisk **gait**

The older woman's **gait** was slow and unsteady.

propagate

- v.* to spread or promote something widely, particularly beliefs, ideas, or plants and animals through reproduction

synonym : propagate, multiply, reproduce

(1) **propagate** a rumor, (2) **propagate** plants

The company is working hard to **propagate** their brand message to as many people as possible

trot

- v.* to run or jog at a moderate pace; to walk with long, quick strides

synonym : jog, run, race

(1) **trot** across the street, (2) **trot** off happily

She **trotted** to keep up with him.

periodic

adj. happening at regular intervals over a while

synonym : regular, frequent, recurring

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

(2) **periodic** payments

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

limb

n. an arm and leg of a person or animal

synonym: arm, appendage, branch

(1) a prosthetic **limb**, (2) **limb** amputation

You should wrap the bandage carefully and firmly around the injured **limb**.

undulate

v. to move with a smooth wavelike motion; to have a wavy form or outline

synonym: roll, ripple, wave

(1) **undulate** waves, (2) **undulate** in the wind

The snake **undulated** its way through the underbrush, silently stalking its prey.

fascinating

adj. extremely interesting

synonym: alluring, intriguing, captivating

(1) **fascinating** story, (2) completely **fascinating** to me

The museum houses a **fascinating** collection of Celtic artifacts.

cerebration

n. the process of thinking, reasoning, or using the intellect

synonym: thinking, reasoning, contemplation

(1) creative **cerebration**, (2) strong **cerebration** skills

The **cerebration** process involved in solving complex mathematical problems requires intense focus and concentration.

electrical

adj. relating to electricity

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

Actuators convert **electrical** pulses into motion.

stimulate

v. to encourage something to develop or become more active; to stir the feelings or emotions

synonym: excite, provoke, arouse

(1) **stimulate** the economy, (2) **stimulate** the nervous system

The book **stimulated** my imagination.

stimulation

n. the act of arousing interest or activity in something; the action of providing a stimulus

synonym: activation, arousal, excitation

(1) **stimulation** of the economy, (2) **stimulation** of the senses

The **stimulation** of certain chemicals activates the brain's reward system.

induce

v. to persuade someone to do something; to cause to act in a specific manner

synonym: cause, encourage, persuade

(1) **induce** a crisis, (2) **induce** him to see a doctor

The lack of sleep **induces** both physical and psychological diseases.

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.

threshold

n. the floor or ground that forms the bottom of a doorway and offers support when passing through a doorway; the smallest detectable sensation

synonym: anteroom, brink, verge

(1) the **threshold** between rooms, (2) high pain **threshold**

She's on the **threshold** of adulthood.

automatically

adv. without needing a direct human control

synonym: mechanically, unconsciously, spontaneously

(1) record driving **automatically**, (2) **automatically** adjusted

Our subscription plan is **automatically** renewed.

pedal

n. a foot-operated lever or control, especially one used to control a vehicle, machine, or musical instrument

synonym: treadle, accelerator

(1) clutch **pedal**, (2) piano **pedal**

He pressed the **pedal** with all his might, but the car still wouldn't start.

observe

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

synonym: watch, monitor, scrutinize

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

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

gallop

v. (of a horse) to run very quickly so that all four feet come off the ground together; to proceed very quickly

synonym: canter, race, bound

(1) **gallop** a horse, (2) **gallop** off at top speed

The horse **galloped** across the field at a fast pace.

flap

n. a piece of material attached to a garment, sail, or aircraft which flaps in the wind; (verb) to move in a wavy pattern or with an up-and-down motion

synonym: winged object, cover, (verb) flutter

(1) the **flap** of wings, (2) **flap** out a candle

The **flap** of the tent was open, letting in the fresh air.

sophisticated

adj. having a great deal of worldly experience and knowledge of people's behavior, culture, and fashion

synonym: refined, cultured, worldly

(1) **sophisticated** look, (2) a **sophisticated** lifestyle

Marketing strategies are growing more **sophisticated**.

X-ray

n. a type of electromagnetic radiation that has a wavelength shorter than visible light allowing hidden objects such as bones and organs inside the body to be photographed

synonym : roentgenogram, photon radiography

(1) **X-ray** scan, (2) an **X-ray** of arteries

The doctor ordered an **X-ray** to see if there was any damage to the bones.

database

n. a large amount of data stored in a computer system in such a way that it can be searched and updated easily

(1) **database** administrator, (2) employee **database**

Each country's officials can access the central **database**.

optimize

v. to make the best or most effective use of something

synonym : advance, amend, improve

(1) **optimize** a process, (2) **optimize** control for cooling

The essence of economics is to **optimize** the allocation of limited resources.

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.

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.

replay

v. play something, such as a recording, a piece of music, or a game again

synonym: repeat, play again, go over again

(1) **replay** the game, (2) **replay** in my mind

He pushed the button and **replayed** the video again.

comparison

n. the consideration or examination of the similarities between two or more people or things

synonym: equivalence, analogy, contrast

(1) ease of **comparison**, (2) **comparison** of foods on a caloric basis

I've included the two designs for a **comparison**.

backward

adv. at, to, or toward the direction or place that is behind or rear

synonym: back, rearward, in reverse

(1) walk **backward**, (2) **backward** angle

She falls over **backward** when she sees her mother-in-law.

suit

n. a set of clothes that are made from the same material; a claim or complaint that a person or organization can file in court against another party; (verb) to be fit or acceptable for

synonym: clothes, lawsuit, (verb) fit

(1) **suit** and tie restaurant, (2) **suit** at law

Six **suits** are awaiting trial or verdict.

frequency

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

synonym: recurrence, repetition, regularity

(1) **frequency** band, (2) high **frequency**

The oscillator hunts for the correct **frequency**.

evolution

n. a gradual process of transformation of living things

synonym: elaboration, expansion, transition

(1) human **evolution**, (2) **evolution** theory
They study the **evolution** of the universe.

oscillate

v. to swing or move back and forth like a pendulum or a wave; to fluctuate or alternate between two points or states; to hesitate or be indecisive

synonym: fluctuate, swing, vibrate

(1) **oscillate** back and forth, (2) **oscillate** between joy and anger

The fan in the room **oscillates**, making the airflow more evenly.

transition

n. the process or period of changing from one state or circumstance to another

synonym: change, growth, shift

(1) **transition** phase, (2) ensure a smooth **transition**

The nation's healthcare system is in **transition** at the moment.

normally

adv. usually; under normal conditions

synonym: commonly, generally, naturally

(1) complete **normally**, (2) not **normally** drink much

I don't **normally** take a vacation in the middle of summer.

instance

n. a particular example or single occurrence of something

synonym: example, sample, illustration

(1) for **instance**, (2) notable **instance**

These articles cite five **instances** of climate change.

stimming

n. a behavior often exhibited by individuals on the autism spectrum characterized by repetitive bodily movements or sounds, such as hand flapping or rocking, often used as a form of self-regulation or sensory stimulation

synonym: self-stimulation, repetitive behaviors

(1) autistic **stimming**, (2) **stimming** therapy

Autistic children may engage in **stimming** behaviors, such as

rocking or hand flapping, to self-regulate.

distribute

v. to give something to a large number of individuals, or to spread or furnish something

synonym: broadcast, disperse, hand out

(1) **distribute** wealth evenly, (2) **distribute** video content
His estate was **distributed** to his sons.

responsible

adj. answerable or accountable for something within one's power, control, or management

synonym: accountable, answerable, liable

(1) **responsible** action, (2) **responsible** for a customer service

She's a **responsible** pet owner who ensures her dog gets enough exercise and a healthy diet.

importance

n. the quality of being important and worthy of note

synonym: significance, primacy, matter

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

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

morphology

n. the study of the form and structure of plants, animals, and other organisms; the study of the alteration of word forms as they change from one part of speech to another

synonym: structure, form, anatomy

(1) **morphology** of a language, (2) cellular **morphology**

The **morphology** of rocks can reveal clues about their geological history.

criteria

n. (plural of criterion) standards or conditions by which something may be judged or decided

synonym: bars, benchmarks, standards

(1) **criteria** for action, (2) consistency **criteria**

He didn't meet all the **criteria**, but he was hired anyway.

pantograph

n. a mechanical linkage system consisting of connected arms used to reproduce or scale a drawing or image, often used in the field of drafting or to replicate patterns or designs

synonym : linkage

(1) railway **pantograph**, (2) **pantograph** system

The mechanic adjusted the **pantograph** on the electric train to maintain contact with the overhead wires.

segment

n. a part or section of something; a distinct group within a larger whole

synonym : section, part, division

(1) **segment** analysis, (2) market **segment**

The report divided the data into **segments** based on age, gender, and income level.

parallel

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

synonym : aligned, side-by-side, similar

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

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

geometry

n. the area of pure mathematics that deals with the points, lines, curves, and surfaces

(1) Euclidean **geometry**, (2) spherical **geometry**

The mathematician pioneered fractal **geometry**.

internal

adj. of or relating to the inside of something

synonym : interior, inner, domestic

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

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

movement

n. a group of people working together to achieve a shared goal, especially a political, social, or artistic one; the process of moving or being moved, physically or

figuratively

synonym : motion, progression, action

(1) a circular **movement**, (2) **movement** of troops

The **movement** of the dancers on stage was graceful and elegant.

property

n. a thing or things that belong to someone

synonym : belongings, possessions, equity

(1) a man of **property**, (2) chemical **property**

He stood to inherit a million-dollar **property**.

lightweight

adj. composed of thinner and lighter material than average; not severe or impressive

(1) **lightweight** aircraft, (2) **lightweight** structure

Powder coating protects the **lightweight** aluminum alloy components.

trunk

n. the main stem or body of a tree which its branches grow

synonym : body, chest, torso

(1) the **trunk** of the tree, (2) the **trunk** of the body

Destructive fungi thrive in moist environments, such as those seen in wounds on the **trunk**.

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.

elastic

adj. flexible, resilient, or adaptable; (noun) a stretchy material or band that can be stretched and then returned to its original shape; something that is flexible and adaptable

synonym : stretchy, flexible, resilient

(1) **elastic** body, (2) **elastic** waistband

The skin of a snake is remarkably **elastic**, allowing it to slither through tight spaces.

invite

v. to ask someone to come or join; to offer an opportunity or possibility for something to happen or take place

synonym: ask, request, summon

(1) **invite** guests, (2) **invite** criticism

We want to **invite** you to our annual charity event.

onstage

adv. onto or on a stage in a theater; in front of an audience

(1) appeared **onstage**, (2) walk **onstage**

He performed his magic trick **onstage**, leaving the audience in awe.

peter

v. to fail or lose power, efficiency, or value gradually before coming to an end

synonym: decrease, drop, lower

(1) eventually **peter** out, (2) begin to **peter** out

The music just **petered** out.

toy

n. a thing, typically a small model or replica of something that is played with, especially by children

synonym: plaything, game, trinket

(1) **toy** store, (2) **toy** box

He gave his daughter a new **toy** for her birthday.

investigate

v. to conduct a systematic or formal inquiry to identify and evaluate the facts of a crime, problem, statement, etc. to establish the truth

synonym: examine, analyze, look into

(1) **investigate** the matter, (2) **investigate** a data leak

The committee **investigated** several apparent inconsistencies.

compliant

adj. willing to comply with rules, requests, or demands

synonym: obedient, conforming, amenable

(1) **compliant** software, (2) **compliant** regulations

The company is committed to being **compliant** with industry regulations.

obtain

v. to get something, especially by making a great effort
synonym: accept, acquire, receive

(1) **obtain** a license, (2) **obtain** a bid

Where can I **obtain** the application form?

mechanics

n. the branch of physics that deals with the study of motion, forces, and energy; (mechanic) someone whose occupation is repairing and maintaining automobiles

synonym: kinematics, dynamics

(1) **mechanics** equation, (2) **mechanics** of the game

He studied **mechanics** in college and now works as an engineer.

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.

disturb

v. to interrupt someone who is trying to work, sleep, etc.

synonym: agitate, bother, intrude

(1) **disturb** the peace, (2) **disturb** his sleep

Tourists frequently **disturb** the island's delicate natural balance.

perturbation

n. a state of anxiety, confusion, or disturbance; a deviation or disruption from the normal or expected state

synonym: disruption, disturbance, turmoil

(1) seismic **perturbation**, (2) emotional **perturbation**

The unexpected financial crisis caused a **perturbation** in the stock market, leading to widespread panic among investors.

immediately

adv. now or without delay

synonym : directly, instantly, promptly

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

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

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.

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.

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.

lesion

n. a damaged or abnormal area of tissue in the body, usually caused by injury or disease

synonym : injury, wound, damage

(1) muscle **lesion**, (2) brain **lesion**

The doctor examined the **lesion** on the patient's skin to determine if it was cancerous.

dramatic

adj. very sudden, very excellent, or full of action and excitement

synonym : striking, theatrical, breathtaking

(1) make **dramatic** changes, (2) a **dramatic** rescue at sea
The statement had a **dramatic** impact on house prices.

paraplegia

n. a form of paralysis that affects all or part of the lower body, typically caused by injury to the spinal cord or nervous system

synonym: spinal cord injury, paralysis

(1) **paraplegia** treatment, (2) traumatic **paraplegia**

After his accident, he was left with **paraplegia** and had to use a wheelchair.

tetraplegia

n. paralysis affecting all four limbs and usually the trunk of the body, often caused by a spinal cord injury or disease

synonym: paralysis, spinal cord injury

(1) **tetraplegia** patient, (2) rehabilitation after **tetraplegia**

The car accident left him with **tetraplegia**, resulting in paralysis of all four limbs.

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.

prosthetic

adj. of or relating to an artificial part of the body, such as a limb, a heart, or a breast implant

(1) have **prosthetic** arms, (2) **prosthetic** limbs

New **prosthetic** joints are less prone to metal poisoning.

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?

chemical

adj. relating to or connected with chemistry;

synonym : chemic, synthetic

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

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

colleague

n. one of a group of a coworker, especially in a profession or a business

synonym : coworker, associate, fellow

(1) collaborate with **colleagues**, (2) former **colleague**

I decided to seek counseling on the advice of my **colleague**.

interact

v. to communicate or react with somebody

synonym : cooperate, combine, collaborate

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

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

pollution

n. the introduction of harmful substances or waste into the natural environment that causes adverse change

synonym : corrosion, deterioration, corruption

(1) environmental **pollution**, (2) high levels of air **pollution**

The **pollution** is endangering the local plants and animals.

mention

v. to speak or write about something or someone briefly

synonym : reference, allude, cite

(1) **mention** name, (2) **mention** in a report

I **mentioned** to him that I had seen his sister at the grocery store earlier that day.

absolutely

adv. without restriction or limitation; completely or utterly

synonym : completely, utterly, definitely

(1) **absolutely** against, (2) **absolutely** obsessed with the girl

I am **absolutely** opposed to his idea because of morality.

spin-off

n. a subsidiary or derivative company or product that is created as a result of the growth or restructuring of an existing organization; a new creation or development that stems from an original source or idea

synonym : offshoot, derivative, spinout

(1) video game **spin-off**, (2) technology **spin-off**

The television show was a **spin-off** of the popular movie franchise.

inspection

n. the act of examining, assessing, or reviewing something to ensure its accuracy, quality, safety, or compliance; the process of investigating or evaluating something

synonym : examination, review, scrutiny

(1) **inspection** report, (2) regular **inspection**

Before starting the project, the engineer performed an **inspection** of the construction site.

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.

flood

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

synonym : deluge, downpour, overflow

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

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

crawl

v. to move forward slowly, as people or animals with their bodies near the ground

synonym : creep, drag

(1) **crawl** across the floor, (2) **crawl** away from a car

Along the gravel roads, sizeable yellow school buses **crawl**.

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.

identify

v. to recognize someone or something and say or prove who or what they are

synonym: determine, specify, recognize

(1) **identify** handwriting, (2) **identify** gene sequences
I will introduce you to how to **identify** the leading causes of the malfunction.

survivor

n. a person who remains alive after an event in which others have died

synonym: subsister

(1) ovarian cancer **survivor**, (2) a single **survivor**
The shipwreck **survivor** was rescued after floating in the ocean for three days.

assume

v. to think or accept something to be true without having proof of it; to take or begin to have power; to begin to exhibit a specific quality or appearance

synonym: guess, presume, suppose

(1) **assume** a lousy attitude to his boss, (2) **assume** an important role
The following example **assumes** that the capacity of each battery is the same.

scared

adj. afraid or frightened

synonym: frightened, fearful, dreading

(1) **scared** all the time, (2) **scared** dog
I'm **scared** of insects.

AI

n. (abbreviation for artificial intelligence) the theory and development of computer systems capable of doing activities that would ordinarily need human intelligence, such as object recognition, speech recognition, decision-making, and language translation

synonym: robot, machine learning, neural network

(1) **AI** expert, (2) apply **AI** technology to art

The evolution of processors has dramatically improved the performance of **AI**.

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.

Session 2: Spelling

- | | |
|------------------------------------|--|
| 1. high fr_____cy | <i>n.</i> an ordered array of colors into which a light beam can be split |
| 2. in___e him to see a doctor | <i>v.</i> to persuade someone to do something; to cause to act in a specific manner |
| 3. si_____fy my life | <i>v.</i> to make something more straightforward, more understandable, or easier to do |
| 4. pre-mo___n agricultural society | <i>adj.</i> of or belonging to the present time or recent times |
| 5. un_____te in the wind | <i>v.</i> to move with a smooth wavelike motion; to have a wavy form or outline |
| 6. AI expert | <i>n.</i> (abbreviation for artificial intelligence) the theory and development of computer systems capable of doing activities that would ordinarily need human intelligence, such as object recognition, speech recognition, decision-making, and language translation |
| 7. mi__c a human voice | <i>v.</i> to imitate someone's speech, movement, or behavior, especially to make others laugh |
| 8. strong cer_____on skills | <i>n.</i> the process of thinking, reasoning, or using the intellect |
| 9. high pain th_____ld | <i>n.</i> the floor or ground that forms the bottom of a doorway and offers support when passing through a doorway; the smallest detectable sensation |

ANSWERS: 1. frequency, 2. induce, 3. simplify, 4. modern, 5. undulate, 6. AI, 7. mimic, 8. cerebration, 9. threshold

10. a mo__r mechanic *n.* a device that converts electricity, fuel, etc. into movement and makes a machine, vehicle, etc. work
11. evolutionary bi____y *n.* the scientific study of life and the natural processes of living things
12. brain and sp____l cord *adj.* of or relating to the spine (= the long bone in the body's back)
13. exit from a l__p *n.* a shape like a curve or a circle made by something long and thin, such as a piece of string, that bends round and crosses itself
14. im____t into the uterus *v.* to insert or fix an artificial device in a person's body; to put an idea, attitude, etc., firmly in the mind
15. ob____s reasons *adj.* easy to see, discover or understand
16. am____an habitat *n.* a cold-blooded animal that can live both on land and in water
17. qu____ed walking vehicle *n.* an animal that has four feet
18. the int____on between man and his environment *n.* the act of connecting with someone, mainly when working, playing, or spending time with them
19. res____le action *adj.* answerable or accountable for something within one's power, control, or management
20. neu____ogy research *n.* a field of biology that studies the structure, function, and development of the nervous system, including the brain, spinal cord, and peripheral nerves encompassing a wide range of research topics, including the molecular and cellular processes involved in neural signaling, the organization of neural circuits, and the neural basis of behavior, cognition, and emotion

ANSWERS: 10. motor, 11. biology, 12. spinal, 13. loop, 14. implant, 15. obvious, 16. amphibian, 17. quadruped, 18. interaction, 19. responsible, 20. neurobiology

21. notable in_____ce *n.* a particular example or single occurrence of something
22. abs_____ly against *adv.* without restriction or limitation; completely or utterly
23. Newton's law of in_____a *n.* the quality or state of being inactive, sluggish, or slow to move or act
24. a rh_____ic stroking *adj.* having a pattern of regular beats or a regular beat; characterized by rhythm
25. an X-__y of arteries *n.* a type of electromagnetic radiation that has a wavelength shorter than visible light allowing hidden objects such as bones and organs inside the body to be photographed
26. linear app_____te equation *adj.* nearly accurate or correct, but not completely so
27. walk on_____e *adv.* onto or on a stage in a theater; in front of an audience
28. development of cer_____um *n.* the part of the brain at the back of the head that plays an important role in motor control, balance, and coordination
29. in___e guests *v.* to ask someone to come or join; to offer an opportunity or possibility for something to happen or take place
30. knee re___x *n.* an automatic and unthinking response to a particular stimulus; a physical reaction to external stimuli
31. platinum el_____des *n.* either of two points or ends of a conductor at which electricity enters or leaves an object, substance, or region

ANSWERS: 21. instance, 22. absolutely, 23. inertia, 24. rhythmic, 25. X-ray, 26. approximate, 27. onstage, 28. cerebellum, 29. invite, 30. reflex, 31. electrode

32. as___e an important role *v.* to think or accept something to be true without having proof of it; to take or begin to have power; to begin to exhibit a specific quality or appearance
33. a child with se_____y issues *adj.* of or relating to the physical senses
34. appeared on_____e *adv.* onto or on a stage in a theater; in front of an audience
35. res_____le for a customer service *adj.* answerable or accountable for something within one's power, control, or management
36. elegant wa__z *n.* a ballroom dance in triple time that originated in Vienna and is characterized by a flowing, graceful style and a strong accent on the first beat of each measure
37. begin to pe__r out *v.* to fail or lose power, efficiency, or value gradually before coming to an end
38. high imp_____ce *n.* the quality of being important and worthy of note
39. t_y box *n.* a thing, typically a small model or replica of something that is played with, especially by children
40. the pe_____ic blooming of the cherry-blossom *adj.* happening at regular intervals over a while
41. the influence of mec_____al action *adj.* operated by a machine, relating to or concerned with machinery or tools
42. re__t against his way of thinking *v.* to take action in response to something
43. muscle le___n *n.* a damaged or abnormal area of tissue in the body, usually caused by injury or disease

ANSWERS: 32. assume, 33. sensory, 34. onstage, 35. responsible, 36. waltz, 37. peter, 38. importance, 39. toy, 40. periodic, 41. mechanical, 42. react, 43. lesion

44. a dy____c market *adj.* having a lot of energy, ideas, and enthusiasm, and a strong personality; of or relating to dynamics (= the branch of physics and engineering concerned with the forces that cause motions of bodies)
45. pr____ve society *adj.* of or relating to an early stage of society with no industry or technological development; simple, naive, or old-fashioned in style
46. high levels of air po____on *n.* the introduction of harmful substances or waste into the natural environment that causes adverse change
47. co____nt software *adj.* willing to comply with rules, requests, or demands
48. inv____te a data leak *v.* to conduct a systematic or formal inquiry to identify and evaluate the facts of a crime, problem, statement, etc. to establish the truth
49. amphibious te____od *n.* a vertebrate animal with four feet or leg-like appendages, especially a member of the group that includes amphibians, reptiles, birds, and mammals; a specific type of coastal defense structure which has large, four-legged concrete or rock structures commonly used in coastal engineering to protect shorelines from erosion and the impact of waves
50. pr____te plants *v.* to spread or promote something widely, particularly beliefs, ideas, or plants and animals through reproduction

ANSWERS: 44. dynamic, 45. primitive, 46. pollution, 47. compliant, 48. investigate, 49. tetrapod, 50. propagate

51. consistency cr____ia *n.* (plural of criterion) standards or conditions by which something may be judged or decided
52. dis_____te video content *v.* to give something to a large number of individuals, or to spread or furnish something
53. aut_____lly adjusted *adv.* without needing a direct human control
54. railway pan_____ph *n.* a mechanical linkage system consisting of connected arms used to reproduce or scale a drawing or image, often used in the field of drafting or to replicate patterns or designs
55. complete no_____ly *adv.* usually; under normal conditions
56. a ro___t appetite *adj.* sturdy and healthy in form, constitution, or construction; strong enough to withstand or overcome intellectual challenges or adversity
57. imp_____ve performances *adj.* arousing admiration due to size, quality, or skill
58. ne___l stem cells *adj.* of or relating to a nerve or the nervous system that includes the brain
59. p__p stick *n.* a piece of wood, metal, etc., placed beneath or against something to support it or keep it in position; a system, institution, or person that gives help or support to someone or something
60. a circular mo_____nt *n.* a group of people working together to achieve a shared goal, especially a political, social, or artistic one; the process of moving or being moved, physically or figuratively

ANSWERS: 51. criteria, 52. distribute, 53. automatically, 54. pantograph, 55. normally, 56. robust, 57. impressive, 58. neural, 59. prop, 60. movement

61. de____d by elevator *v.* to move downward and lower; to come from, or to be connected by a relationship of blood
62. collaborate with co_____ues *n.* one of a group of a coworker, especially in a profession or a business
63. mi__c numerous instruments *v.* to imitate someone's speech, movement, or behavior, especially to make others laugh
64. X-__y scan *n.* a type of electromagnetic radiation that has a wavelength shorter than visible light allowing hidden objects such as bones and organs inside the body to be photographed
65. cognitive com_____ty *n.* the state or quality of being complicated or intricate and difficult to understand
66. human ev_____on *n.* a gradual process of transformation of living things
67. sti_____on of the senses *n.* the act of arousing interest or activity in something; the action of providing a stimulus
68. ensure a smooth tra_____on *n.* the process or period of changing from one state or circumstance to another
69. mo___n poetry *adj.* of or belonging to the present time or recent times
70. fas_____ng story *adj.* extremely interesting
71. spinal ga_____on *n.* a group of nerve cells located outside the brain and spinal cord, often forming a swelling or knot; responsible for controlling certain bodily functions or movements

ANSWERS: 61. descend, 62. colleague, 63. mimic, 64. X-ray, 65. complexity, 66. evolution, 67. stimulation, 68. transition, 69. modern, 70. fascinating, 71. ganglion

72. have pro_____ic arms *adj.* of or relating to an artificial part of the body, such as a limb, a heart, or a breast implant
73. ev_____on theory *n.* a gradual process of transformation of living things
74. cer_____um function *n.* the part of the brain at the back of the head that plays an important role in motor control, balance, and coordination
75. int_____on among human beings *n.* the act of connecting with someone, mainly when working, playing, or spending time with them
76. mo_____nt of troops *n.* a group of people working together to achieve a shared goal, especially a political, social, or artistic one; the process of moving or being moved, physically or figuratively
77. acc_____te the car *v.* to make something faster or earlier; to cause to develop or progress more quickly
78. sleep ou_____rs *adv.* in or into the open air; outside a building or structure
79. ob_____e a tradition *v.* to watch or notice something carefully, often to gather information or insights; to take note of something or someone; to celebrate or commemorate a special event or occasion
80. j_g in place *v.* to run or move at a slow or leisurely pace, typically for exercise; to continue talking or writing without a definite plan or purpose

ANSWERS: 72. prosthetic, 73. evolution, 74. cerebellum, 75. interaction, 76. movement, 77. accelerate, 78. outdoors, 79. observe, 80. jog

81. burning of fo___l fuels *n.* any preserved remains, impression, or trace of any once-living thing that has become hard and turned into rock
82. video game sp_____ff *n.* a subsidiary or derivative company or product that is created as a result of the growth or restructuring of an existing organization; a new creation or development that stems from an original source or idea
83. do_____n show *n.* a marine mammal that typically has a beaklike snout, a streamlined body, and flippers and that feeds on fish and squid
84. as___e a lousy attitude to his boss *v.* to think or accept something to be true without having proof of it; to take or begin to have power; to begin to exhibit a specific quality or appearance
85. spherical ge_____ry *n.* the area of pure mathematics that deals with the points, lines, curves, and surfaces
86. certain ex___t *n.* the point or degree or area to which something extends
87. cell and molecular bi_____y *n.* the scientific study of life and the natural processes of living things
88. m_d wall *n.* a soft, wet, sticky earth or clay
89. am_____g advances *adj.* extremely surprising, especially in a way that you like or admire
90. laws of ph_____s *n.* the science of matter and energy and their interactions
91. imm_____ly recall a product *adv.* now or without delay

ANSWERS: 81. fossil, 82. spin-off, 83. dolphin, 84. assume, 85. geometry, 86. extent, 87. biology, 88. mud, 89. amazing, 90. physics, 91. immediately

92. el____c waistband *adj.* flexible, resilient, or adaptable; (noun) a stretchy material or band that can be stretched and then returned to its original shape; something that is flexible and adaptable
93. emotional per_____ion *n.* a state of anxiety, confusion, or disturbance; a deviation or disruption from the normal or expected state
94. fl__d advisory *n.* a large amount of water flowing beyond its normal limits; an overwhelming number or amount
95. the branch of neu_____nce *n.* the scientific study of the function, structure, and disorder of the brain and the nervous system
96. mor_____gy of a language *n.* the study of the form and structure of plants, animals, and other organisms; the study of the alteration of word forms as they change from one part of speech to another
97. sc___d all the time *adj.* afraid or frightened
98. mo_____te the function *v.* to change the key, style, loudness, etc., of something in music to create a particular effect; to fix or adjust the time, amount, degree, or rate of something
99. co___x cells *n.* the outermost layer of an organ, especially the brain
100. electrical c__d *n.* a strong, thick, or thin thread or rope; a piece of plastic-coated wire used to transport electricity to a piece of equipment

ANSWERS: 92. elastic, 93. perturbation, 94. flood, 95. neuroscience, 96. morphology, 97. scared, 98. modulate, 99. cortex, 100. cord

101. app_____te time *adj.* nearly accurate or correct, but not completely so
102. re___e a company from bankruptcy *v.* to save someone or something from a dangerous or difficult situation
103. in___e a crisis *v.* to persuade someone to do something; to cause to act in a specific manner
104. coo_____ed robot system *adj.* effectively arranged or organized so that all the parts work smoothly or systematically together
105. va_____te a passport *v.* to check or prove that something is true; to make something officially or legally acceptable or approved
106. ter_____al planets *adj.* of or relating to the Earth; relating to or inhabiting the land or the ground as opposed to the sea or air
107. 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
108. dis_____te wealth evenly *v.* to give something to a large number of individuals, or to spread or furnish something
109. ga___p off at top speed *v.* (of a horse) to run very quickly so that all four feet come off the ground together; to proceed very quickly

ANSWERS: 101. approximate, 102. rescue, 103. induce, 104. coordinated, 105. validate, 106. terrestrial, 107. process, 108. distribute, 109. gallop

120. the f__p of wings *n.* a piece of material attached to a garment, sail, or aircraft which flaps in the wind; (verb) to move in a wavy pattern or with an up-and-down motion
121. rehabilitation after tet_____ia *n.* paralysis affecting all four limbs and usually the trunk of the body, often caused by a spinal cord injury or disease
122. st_____ng therapy *n.* a behavior often exhibited by individuals on the autism spectrum characterized by repetitive bodily movements or sounds, such as hand flapping or rocking, often used as a form of self-regulation or sensory stimulation
123. pe_____ic payments *adj.* happening at regular intervals over a while
124. a mec_____al style of writing *adj.* operated by a machine, relating to or concerned with machinery or tools
125. lig_____ht aircraft *adj.* composed of thinner and lighter material than average; not severe or impressive
126. ovarian cancer su_____or *n.* a person who remains alive after an event in which others have died
127. os_____te back and forth *v.* to swing or move back and forth like a pendulum or a wave; to fluctuate or alternate between two points or states; to hesitate or be indecisive
128. his conclusion was ob_____s *adj.* easy to see, discover or understand
129. in_____e criticism *v.* to ask someone to come or join; to offer an opportunity or possibility for something to happen or take place

ANSWERS: 120. flap, 121. tetraplegia, 122. stimming, 123. periodic, 124. mechanical, 125. lightweight, 126. survivor, 127. oscillate, 128. obvious, 129. invite

130. a fl__d of questions *n.* a large amount of water flowing beyond its normal limits; an overwhelming number or amount
131. re___x test *n.* an automatic and unthinking response to a particular stimulus; a physical reaction to external stimuli
132. s__t and tie restaurant *n.* a set of clothes that are made from the same material; a claim or complaint that a person or organization can file in court against another party; (verb) to be fit or acceptable for
133. autistic st____ng *n.* a behavior often exhibited by individuals on the autism spectrum characterized by repetitive bodily movements or sounds, such as hand flapping or rocking, often used as a form of self-regulation or sensory stimulation
134. op_____ze a process *v.* to make the best or most effective use of something
135. sti_____on of the economy *n.* the act of arousing interest or activity in something; the action of providing a stimulus
136. awkward g__t *n.* a person's manner of walking, running, or moving on foot; a particular pattern or style of movement or locomotion
137. pr_____te a rumor *v.* to spread or promote something widely, particularly beliefs, ideas, or plants and animals through reproduction
138. DC mo__r control *n.* a device that converts electricity, fuel, etc. into movement and makes a machine, vehicle, etc. work

ANSWERS: 130. flood, 131. reflex, 132. suit, 133. stimming, 134. optimize, 135. stimulation, 136. gait, 137. propagate, 138. motor

139. cr__l across the floor *v.* to move forward slowly, as people or animals with their bodies near the ground
140. me_____cs equation *n.* the branch of physics that deals with the study of motion, forces, and energy; (mechanic) someone whose occupation is repairing and maintaining automobiles
141. 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
142. cellular mor_____gy *n.* the study of the form and structure of plants, animals, and other organisms; the study of the alteration of word forms as they change from one part of speech to another
143. se_____t analysis *n.* a part or section of something; a distinct group within a larger whole
144. do_____n-watching tour *n.* a marine mammal that typically has a beaklike snout, a streamlined body, and flippers and that feeds on fish and squid
145. ver_____te biology *adj.* relating to animals that have a backbone or spinal column, such as mammals, birds, reptiles, amphibians, and fish
146. the degree of dif_____ty *n.* a condition or state that causes problems
147. artifact of a pr_____ve humankind *adj.* of or relating to an early stage of society with no industry or technological development; simple, naive, or old-fashioned in style

ANSWERS: 139. crawl, 140. mechanics, 141. coordinate, 142. morphology, 143. segment, 144. dolphin, 145. vertebrate, 146. difficulty, 147. primitive

148. f__p out a candle *n.* a piece of material attached to a garment, sail, or aircraft which flaps in the wind; (verb) to move in a wavy pattern or with an up-and-down motion
149. ba__l activity *adj.* forming or belonging to a bottom layer or base of something
150. id____fy handwriting *v.* to recognize someone or something and say or prove who or what they are
151. seismic per_____ion *n.* a state of anxiety, confusion, or disturbance; a deviation or disruption from the normal or expected state
152. abs_____ly obsessed with the girl *adv.* without restriction or limitation; completely or utterly
153. st_____re and function of the brain *n.* the way of construction of something and the arrangement of its parts, or a complex thing constructed of many parts
154. t__t across the street *v.* to run or jog at a moderate pace; to walk with long, quick strides
155. development of the ne____s system *adj.* worried and anxious about something; relating to the nerves
156. sc___d dog *adj.* afraid or frightened
157. t__t off happily *v.* to run or jog at a moderate pace; to walk with long, quick strides
158. dy_____c person *adj.* having a lot of energy, ideas, and enthusiasm, and a strong personality; of or relating to dynamics (= the branch of physics and engineering concerned with the forces that cause motions of bodies)

ANSWERS: 148. flap, 149. basal, 150. identify, 151. perturbation, 152. absolutely, 153. structure, 154. trot, 155. nervous, 156. scared, 157. trot, 158. dynamic

159. com_____ty theory *n.* the state or quality of being complicated or intricate and difficult to understand
160. tra_____on phase *n.* the process or period of changing from one state or circumstance to another
161. in_____a resistance *n.* the quality or state of being inactive, sluggish, or slow to move or act
162. a fo___l leaf *n.* any preserved remains, impression, or trace of any once-living thing that has become hard and turned into rock
163. col_____te with the police *v.* to work with someone else to produce or achieve something
164. pro_____ic limbs *adj.* of or relating to an artificial part of the body, such as a limb, a heart, or a breast implant
165. semiaquatic sal_____er *n.* any of various typically terrestrial amphibians that resemble lizards and that return to water only to breed
166. ecology and evo_____ary biology *adj.* relating to or denoting how living things develop or change from earlier forms
167. an ele_____al storm *adj.* relating to electricity
168. m_d volcano *n.* a soft, wet, sticky earth or clay
169. im_____t genes in the animals *v.* to insert or fix an artificial device in a person's body; to put an idea, attitude, etc., firmly in the mind
170. positive feedback l__p *n.* a shape like a curve or a circle made by something long and thin, such as a piece of string, that bends round and crosses itself

ANSWERS: 159. complexity, 160. transition, 161. inertia, 162. fossil, 163. collaborate, 164. prosthetic, 165. salamander, 166. evolutionary, 167. electrical, 168. mud, 169. implant, 170. loop

171. a gr____l process *adj.* happening slowly over a long period of time or distance; not steep or abrupt
172. in a coo____ed manner *adj.* effectively arranged or organized so that all the parts work smoothly or systematically together
173. qu____ed robot *n.* an animal that has four feet
174. not no____ly drink much *adv.* usually; under normal conditions
175. 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
176. ob____le avoidance *n.* a thing that blocks one's way or prevents or hinders progress
177. Euclidean ge____ry *n.* the area of pure mathematics that deals with the points, lines, curves, and surfaces
178. a ch____al compound *adj.* relating to or connected with chemistry;
179. ro____t growth *adj.* sturdy and healthy in form, constitution, or construction; strong enough to withstand or overcome intellectual challenges or adversity
180. st____te the nervous system *v.* to encourage something to develop or become more active; to stir the feelings or emotions
181. ease of com____on *n.* the consideration or examination of the similarities between two or more people or things

ANSWERS: 171. gradual, 172. coordinated, 173. quadruped, 174. normally, 175. coordinate, 176. obstacle, 177. geometry, 178. chemical, 179. robust, 180. stimulate, 181. comparison

182. apply AI technology to art *n.* (abbreviation for artificial intelligence) the theory and development of computer systems capable of doing activities that would ordinarily need human intelligence, such as object recognition, speech recognition, decision-making, and language translation
183. emotional p__p *n.* a piece of wood, metal, etc., placed beneath or against something to support it or keep it in position; a system, institution, or person that gives help or support to someone or something
184. sop_____ted look *adj.* having a great deal of worldly experience and knowledge of people's behavior, culture, and fashion
185. write him an answer imm_____ly *adv.* now or without delay
186. pa_____el processing *adj.* being everywhere equidistant and not intersecting; of or relating to the simultaneous performance of multiple operations
187. make dr_____ic changes *adj.* very sudden, very excellent, or full of action and excitement
188. mat_____cs competition *n.* the science dealing with the logic of quantities, shapes, spaces, and arrangement
189. st_____ze blood sugar levels *v.* to become or cause to become steady or unlikely to give way

ANSWERS: 182. AI, 183. prop, 184. sophisticated, 185. immediately, 186. parallel, 187. dramatic, 188. mathematics, 189. stabilize

190. mo_____te from one key to another *v.* to change the key, style, loudness, etc., of something in music to create a particular effect; to fix or adjust the time, amount, degree, or rate of something
191. l__b amputation *n.* an arm and leg of a person or animal
192. a man of pr_____ty *n.* a thing or things that belong to someone
193. va_____te a hypothesis *v.* to check or prove that something is true; to make something officially or legally acceptable or approved
194. t_y store *n.* a thing, typically a small model or replica of something that is played with, especially by children
195. in_____al organs *adj.* of or relating to the inside of something
196. degree in ele_____al engineering *adj.* relating to electricity
197. a prosthetic l__b *n.* an arm and leg of a person or animal
198. un_____te waves *v.* to move with a smooth wavelike motion; to have a wavy form or outline
199. for in_____ce *n.* a particular example or single occurrence of something
200. a sop_____ted lifestyle *adj.* having a great deal of worldly experience and knowledge of people's behavior, culture, and fashion
201. und_____ate the probability *v.* to think or suppose that a quantity, price, or size is smaller than it is
202. pan_____ph system *n.* a mechanical linkage system consisting of connected arms used to reproduce or scale a drawing or image, often used in the field of drafting or to replicate patterns or designs

ANSWERS: 190. modulate, 191. limb, 192. property, 193. validate, 194. toy, 195. internal, 196. electrical, 197. limb, 198. undulate, 199. instance, 200. sophisticated, 201. underestimate, 202. pantograph

203. id____fy gene sequences *v.* to recognize someone or something and say or prove who or what they are
204. ha___e a precious object *v.* to deal with a situation, problem, or strong emotion
205. the tr__k of the body *n.* the main stem or body of a tree which its branches grow
206. tet______ia patient *n.* paralysis affecting all four limbs and usually the trunk of the body, often caused by a spinal cord injury or disease
207. 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
208. technology sp____ff *n.* a subsidiary or derivative company or product that is created as a result of the growth or restructuring of an existing organization; a new creation or development that stems from an original source or idea
209. si____fy the process *v.* to make something more straightforward, more understandable, or easier to do
210. re__t at a high temperature *v.* to take action in response to something
211. walk ba____rd *adv.* at, to, or toward the direction or place that is behind or rear
212. di____b his sleep *v.* to interrupt someone who is trying to work, sleep, etc.

ANSWERS: 203. identify, 204. handle, 205. trunk, 206. tetraplegia, 207. onboard, 208. spin-off, 209. simplify, 210. react, 211. backward, 212. disturb

213. the ex___t of the damage *n.* the point or degree or area to which something extends
214. eventually pe__r out *v.* to fail or lose power, efficiency, or value gradually before coming to an end
215. get ne_____s *adj.* worried and anxious about something; relating to the nerves
216. da_____se administrator *n.* a large amount of data stored in a computer system in such a way that it can be searched and updated easily
217. a gr_____l change *adj.* happening slowly over a long period of time or distance; not steep or abrupt
218. ga___p a horse *v.* (of a horse) to run very quickly so that all four feet come off the ground together; to proceed very quickly
219. 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
220. glass e_l *n.* a type of elongated, snake-like fish that lives in freshwater or saltwater and has a slimy, scaleless body and no pelvic fins
221. a single su_____or *n.* a person who remains alive after an event in which others have died
222. aquatic te_____od *n.* a vertebrate animal with four feet or leg-like appendages, especially a member of the group that includes amphibians, reptiles, birds, and mammals; a specific type of coastal defense structure which has large, four-legged concrete or rock structures commonly used in coastal engineering to protect shorelines from erosion and the impact of waves

ANSWERS: 213. extent, 214. peter, 215. nervous, 216. database, 217. gradual, 218. gallop, 219. relate, 220. eel, 221. survivor, 222. tetrapod

223. an ob_____le to progress *n.* a thing that blocks one's way or prevents or hinders progress
224. me_____n name *v.* to speak or write about something or someone briefly
225. com_____on of foods on a caloric basis *n.* the consideration or examination of the similarities between two or more people or things
226. a pa_____el case *adj.* being everywhere equidistant and not intersecting; of or relating to the simultaneous performance of multiple operations
227. 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
228. a dr_____ic rescue at sea *adj.* very sudden, very excellent, or full of action and excitement
229. bio_____ics of movement *n.* the study and application of mechanical principles to biological systems, especially as related to human movement and the physical performance of athletes and performers
230. source of ins_____on *n.* something that motivates or encourages someone to create or achieve something, or a feeling of excitement or creativity

ANSWERS: 223. obstacle, 224. mention, 225. comparison, 226. parallel, 227. process, 228. dramatic, 229. biomechanics, 230. inspiration

231. brisk g__t *n.* a person's manner of walking, running, or moving on foot; a particular pattern or style of movement or locomotion
232. spare co_____nts for cars *n.* one of several parts that combines with others to form something bigger
233. 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
234. st_____te the economy *v.* to encourage something to develop or become more active; to stir the feelings or emotions
235. cr_____ia for action *n.* (plural of criterion) standards or conditions by which something may be judged or decided
236. a theoretical concept in neu_____nce *n.* the scientific study of the function, structure, and disorder of the brain and the nervous system
237. am_____an species *n.* a cold-blooded animal that can live both on land and in water
238. the in_____al economy *adj.* of or relating to the inside of something
239. te_____n map *n.* the physical features of a piece of land, including hills, valleys, rivers, and forests
240. el_____c body *adj.* flexible, resilient, or adaptable; (noun) a stretchy material or band that can be stretched and then returned to its original shape; something that is flexible and adaptable

ANSWERS: 231. gait, 232. component, 233. onboard, 234. stimulate, 235. criteria, 236. neuroscience, 237. amphibian, 238. internal, 239. terrain, 240. elastic

241. dif_____ty in breathing *n.* a condition or state that causes problems
242. cr__l away from a car *v.* to move forward slowly, as people or animals with their bodies near the ground
243. in_____ct directly with customers *v.* to communicate or react with somebody
244. get ins_____on from nature *n.* something that motivates or encourages someone to create or achieve something, or a feeling of excitement or creativity
245. 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
246. cervical ve_____ra *n.* a bone in the spine, or the spinal column forming the supporting structure of the spine and protecting the spinal cord
247. ga_____on cyst *n.* a group of nerve cells located outside the brain and spinal cord, often forming a swelling or knot; responsible for controlling certain bodily functions or movements
248. ne___l networks in AI *adj.* of or relating to a nerve or the nervous system that includes the brain
249. me_____cs of the game *n.* the branch of physics that deals with the study of motion, forces, and energy; (mechanic) someone whose occupation is repairing and maintaining automobiles

ANSWERS: 241. difficulty, 242. crawl, 243. interact, 244. inspiration, 245. relate, 246. vertebra, 247. ganglion, 248. neural, 249. mechanics

250. brain le___n *n.* a damaged or abnormal area of tissue in the body, usually caused by injury or disease
251. di____b the peace *v.* to interrupt someone who is trying to work, sleep, etc.
252. traumatic par_____ia *n.* a form of paralysis that affects all or part of the lower body, typically caused by injury to the spinal cord or nervous system
253. toxic ch____als *adj.* relating to or connected with chemistry;
254. 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
255. the muscle tissue of a ver_____te *adj.* relating to animals that have a backbone or spinal column, such as mammals, birds, reptiles, amphibians, and fish
256. clutch pe__l *n.* a foot-operated lever or control, especially one used to control a vehicle, machine, or musical instrument
257. cellular neu_____ogy *n.* a field of biology that studies the structure, function, and development of the nervous system, including the brain, spinal cord, and peripheral nerves encompassing a wide range of research topics, including the molecular and cellular processes involved in neural signaling, the organization of neural circuits, and the neural basis of behavior, cognition, and emotion

ANSWERS: 250. lesion, 251. disturb, 252. paraplegia, 253. chemical, 254. coordination, 255. vertebrate, 256. pedal, 257. neurobiology

258. re___y in my mind *v.* play something, such as a recording, a piece of music, or a game again
259. an imp_____ve array of facts *adj.* arousing admiration due to size, quality, or skill
260. in_____ct with one another *v.* to communicate or react with somebody
261. re___y the game *v.* play something, such as a recording, a piece of music, or a game again
262. loc_____on control *n.* the action or ability to move from one place to another
263. chemical pr_____ty *n.* a thing or things that belong to someone
264. regular ins_____on *n.* the act of examining, assessing, or reviewing something to ensure its accuracy, quality, safety, or compliance; the process of investigating or evaluating something
265. electric e_l *n.* a type of elongated, snake-like fish that lives in freshwater or saltwater and has a slimy, scaleless body and no pelvic fins
266. ins_____on report *n.* the act of examining, assessing, or reviewing something to ensure its accuracy, quality, safety, or compliance; the process of investigating or evaluating something
267. permanent br__n damage *n.* the organ inside the head that is responsible for one's movement, thought, memory, and feeling
268. st_____ze prices *v.* to become or cause to become steady or unlikely to give way

ANSWERS: 258. replay, 259. impressive, 260. interact, 261. replay, 262. locomotion, 263. property, 264. inspection, 265. eel, 266. inspection, 267. brain, 268. stabilize

269. exhausted ou____rs *adv.* in or into the open air; outside a building or structure
270. the most am____g feeling *adj.* extremely surprising, especially in a way that you like or admire
271. 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
272. me____n in a report *v.* to speak or write about something or someone briefly
273. creative cer____on *n.* the process of thinking, reasoning, or using the intellect
274. el____de corrosion *n.* either of two points or ends of a conductor at which electricity enters or leaves an object, substance, or region
275. federal ci____t courts *n.* (in electrical engineering) an electrical device that provides a path for electrical current to flow; a journey or route around a particular place or area
276. record driving aut____lly *adv.* without needing a direct human control
277. co____nt regulations *adj.* willing to comply with rules, requests, or demands
278. os____te between joy and anger *v.* to swing or move back and forth like a pendulum or a wave; to fluctuate or alternate between two points or states; to hesitate or be indecisive
279. basic br__n function *n.* the organ inside the head that is responsible for one's movement, thought, memory, and feeling

ANSWERS: 269. outdoors, 270. amazing, 271. coordination, 272. mention, 273. cerebration, 274. electrode, 275. circuit, 276. automatically, 277. compliant, 278. oscillate, 279. brain

280. ba____rd angle	<i>adv.</i> at, to, or toward the direction or place that is behind or rear
281. key co_____nt	<i>n.</i> one of several parts that combines with others to form something bigger
282. nuclear ph____s	<i>n.</i> the science of matter and energy and their interactions
283. und_____ate an enemy	<i>v.</i> to think or suppose that a quantity, price, or size is smaller than it is
284. the st_____re of a machine	<i>n.</i> the way of construction of something and the arrangement of its parts, or a complex thing constructed of many parts
285. ob___n a bid	<i>v.</i> to get something, especially by making a great effort
286. ba__l cells in the skin	<i>adj.</i> forming or belonging to a bottom layer or base of something
287. the th_____ld between rooms	<i>n.</i> the floor or ground that forms the bottom of a doorway and offers support when passing through a doorway; the smallest detectable sensation
288. acc_____te a chemical reaction	<i>v.</i> to make something faster or earlier; to cause to develop or progress more quickly
289. permafrost te_____n	<i>n.</i> the physical features of a piece of land, including hills, valleys, rivers, and forests
290. ob___n a license	<i>v.</i> to get something, especially by making a great effort
291. marine hyd_____ics	<i>n.</i> the scientific study of the motion and behavior of fluids, especially liquids, and the forces that act on them

ANSWERS: 280. backward, 281. component, 282. physics, 283. underestimate, 284. structure, 285. obtain, 286. basal, 287. threshold, 288. accelerate, 289. terrain, 290. obtain, 291. hydrodynamics

292. piano pe__l *n.* a foot-operated lever or control, especially one used to control a vehicle, machine, or musical instrument
293. bio_____ics research *n.* the study and application of mechanical principles to biological systems, especially as related to human movement and the physical performance of athletes and performers
294. loc_____on system *n.* the action or ability to move from one place to another
295. fr_____cy band *n.* an ordered array of colors into which a light beam can be split
296. earliest human an_____or *n.* a person from whom one is descended; a forefather
297. par_____ia treatment *n.* a form of paralysis that affects all or part of the lower body, typically caused by injury to the spinal cord or nervous system
298. a man of imp_____ce *n.* the quality of being important and worthy of note
299. former co_____ue *n.* one of a group of a coworker, especially in a profession or a business
300. col_____te on a press release *v.* to work with someone else to produce or achieve something
301. an_____or language *n.* a person from whom one is descended; a forefather
302. ha___ed the incident *v.* to deal with a situation, problem, or strong emotion
303. inv_____te the matter *v.* to conduct a systematic or formal inquiry to identify and evaluate the facts of a crime, problem, statement, etc. to establish the truth

ANSWERS: 292. pedal, 293. biomechanics, 294. locomotion, 295. frequency, 296. ancestor, 297. paraplegia, 298. importance, 299. colleague, 300. collaborate, 301. ancestor, 302. handle, 303. investigate

304. the evo_____ary process *adj.* relating to or denoting how living things develop or change from earlier forms
305. the stock market co_____sed *v.* to fall down or give way suddenly, often after breaking apart
306. re____e a dying dog *v.* to save someone or something from a dangerous or difficult situation
307. the tr__k of the tree *n.* the main stem or body of a tree which its branches grow
308. com_____te his anxieties to the psychiatrist *v.* to share or exchange information with others by speaking, writing, moving your body, or using other signals
309. s__t at law *n.* a set of clothes that are made from the same material; a claim or complaint that a person or organization can file in court against another party; (verb) to be fit or acceptable for
310. spinal c__d *n.* a strong, thick, or thin thread or rope; a piece of plastic-coated wire used to transport electricity to a piece of equipment
311. environmental po_____on *n.* the introduction of harmful substances or waste into the natural environment that causes adverse change
312. op_____ze control for cooling *v.* to make the best or most effective use of something
313. ready to co_____se *v.* to fall down or give way suddenly, often after breaking apart
314. hyd_____ics research *n.* the scientific study of the motion and behavior of fluids, especially liquids, and the forces that act on them

ANSWERS: 304. evolutionary, 305. collapse, 306. rescue, 307. trunk, 308. communicate, 309. suit, 310. cord, 311. pollution, 312. optimize, 313. collapse, 314. hydrodynamics

315. j_g my memory *v.* to run or move at a slow or leisurely pace, typically for exercise; to continue talking or writing without a definite plan or purpose
316. ter_____al heat *adj.* of or relating to the Earth; relating to or inhabiting the land or the ground as opposed to the sea or air
317. sp___l injury *adj.* of or relating to the spine (= the long bone in the body's back)
318. completely fas_____ng to me *adj.* extremely interesting
319. market se_____t *n.* a part or section of something; a distinct group within a larger whole
320. ve_____ra injury *n.* a bone in the spine, or the spinal column forming the supporting structure of the spine and protecting the spinal cord
321. visual co___x neuron *n.* the outermost layer of an organ, especially the brain
322. employee da_____se *n.* a large amount of data stored in a computer system in such a way that it can be searched and updated easily
323. terrestrial sal_____er *n.* any of various typically terrestrial amphibians that resemble lizards and that return to water only to breed
324. l_b instrument *n.* a workplace for the conduct of scientific research; a laboratory

ANSWERS: 315. jog, 316. terrestrial, 317. spinal, 318. fascinating, 319. segment, 320. vertebra, 321. cortex, 322. database, 323. salamander, 324. lab

Session 3: Fill in the Blanks

1. The professor's research in _____ has led to groundbreaking discoveries in the field of brain science.
 - n.* a field of biology that studies the structure, function, and development of the nervous system, including the brain, spinal cord, and peripheral nerves encompassing a wide range of research topics, including the molecular and cellular processes involved in neural signaling, the organization of neural circuits, and the neural basis of behavior, cognition, and emotion

2. The mountainous _____ was rough and rocky.
 - n.* the physical features of a piece of land, including hills, valleys, rivers, and forests

3. The essence of economics is to _____ the allocation of limited resources.
 - v.* to make the best or most effective use of something

4. The mechanic adjusted the _____ on the electric train to maintain contact with the overhead wires.
 - n.* a mechanical linkage system consisting of connected arms used to reproduce or scale a drawing or image, often used in the field of drafting or to replicate patterns or designs

5. The book _____ my imagination.
 - v.* to encourage something to develop or become more active; to stir the feelings or emotions

6. These chemicals _____ the effect of metabolism.
 - v.* to change the key, style, loudness, etc., of something in music to create a particular effect; to fix or adjust the time, amount, degree, or rate of something

ANSWERS: 1. neurobiology, 2. terrain, 3. optimize, 4. pantograph, 5. stimulated, 6. modulate

7. After his accident, he was left with _____ and had to use a wheelchair.
- n.* a form of paralysis that affects all or part of the lower body, typically caused by injury to the spinal cord or nervous system
8. The fisherman caught a slippery ____ while out on the lake.
- n.* a type of elongated, snake-like fish that lives in freshwater or saltwater and has a slimy, scaleless body and no pelvic fins
9. A suspension order from the court is effective _____.
- adv.* now or without delay
10. My research involves studying the _____ of submarine canyons.
- n.* the scientific study of the motion and behavior of fluids, especially liquids, and the forces that act on them
11. The fan in the room _____ making the airflow more evenly.
- v.* to swing or move back and forth like a pendulum or a wave; to fluctuate or alternate between two points or states; to hesitate or be indecisive
12. Astronomers are examining whether the _____ signals emanating from this star are artificial.
- adj.* happening at regular intervals over a while
13. The study of _____ is important in understanding the physical implications of movement and sports performance.
- n.* the study and application of mechanical principles to biological systems, especially as related to human movement and the physical performance of athletes and performers
14. Six _____ are awaiting trial or verdict.
- n.* a set of clothes that are made from the same material; a claim or complaint that a person or organization can file in court against another party; (verb) to be fit or acceptable for

ANSWERS: 7. paraplegia, 8. eel, 9. immediately, 10. hydrodynamics, 11. oscillates, 12. periodic, 13. biomechanics, 14. suits

15. 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
16. How did he _____ to your idea?
- v. to take action in response to something
17. The presence of a backbone is a defining characteristic of _____ animals.
- adj. relating to animals that have a backbone or spinal column, such as mammals, birds, reptiles, amphibians, and fish
18. I don't _____ take a vacation in the middle of summer.
- adv. usually; under normal conditions
19. New _____ joints are less prone to metal poisoning.
- adj. of or relating to an artificial part of the body, such as a limb, a heart, or a breast implant
20. They frequently _____ their abilities and felt inferior.
- v. to think or suppose that a quantity, price, or size is smaller than it is
21. Actuators convert _____ pulses into motion.
- adj. relating to electricity
22. He didn't meet all the _____ but he was hired anyway.
- n. (plural of criterion) standards or conditions by which something may be judged or decided

ANSWERS: 15. onboard, 16. react, 17. vertebrate, 18. normally, 19. prosthetic, 20. underestimated, 21. electrical, 22. criteria,

23. Tourists frequently _____ the island's delicate natural balance.
- v. to interrupt someone who is trying to work, sleep, etc.
24. Along the gravel roads, sizeable yellow school buses _____.
- v. to move forward slowly, as people or animals with their bodies near the ground
25. We want to _____ you to our annual charity event.
- v. to ask someone to come or join; to offer an opportunity or possibility for something to happen or take place
26. She was _____ from an old Italian noble family.
- v. to move downward and lower; to come from, or to be connected by a relationship of blood
27. You should wrap the bandage carefully and firmly around the injured _____.
- n. an arm and leg of a person or animal
28. Autistic children may engage in _____ behaviors, such as rocking or hand flapping, to self-regulate.
- n. a behavior often exhibited by individuals on the autism spectrum characterized by repetitive bodily movements or sounds, such as hand flapping or rocking, often used as a form of self-regulation or sensory stimulation
29. 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
30. Your spinal _____ is located deep within your body.
- n. a strong, thick, or thin thread or rope; a piece of plastic-coated wire used to transport electricity to a piece of equipment

ANSWERS: 23. disturb, 24. crawl, 25. invite, 26. descended, 27. limb, 28. stimming, 29. relate, 30. cord

31. The television show was a _____ of the popular movie franchise.
- n.* a subsidiary or derivative company or product that is created as a result of the growth or restructuring of an existing organization; a new creation or development that stems from an original source or idea
32. The mathematician pioneered fractal _____.
- n.* the area of pure mathematics that deals with the points, lines, curves, and surfaces
33. He gave his daughter a new ____ for her birthday.
- n.* a thing, typically a small model or replica of something that is played with, especially by children
34. I will introduce you to how to _____ the leading causes of the malfunction.
- v.* to recognize someone or something and say or prove who or what they are
35. 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
36. The statement had a _____ impact on house prices.
- adj.* very sudden, very excellent, or full of action and excitement
37. Each country's officials can access the central _____.
- n.* a large amount of data stored in a computer system in such a way that it can be searched and updated easily
38. The _____ course was challenging but fun.
- n.* a thing that blocks one's way or prevents or hinders progress

ANSWERS: 31. spin-off, 32. geometry, 33. toy, 34. identify, 35. communicate, 36. dramatic, 37. database, 38. obstacle

39. He suffers from _____ breakdowns.

adj. worried and anxious about something; relating to the nerves

40. Scientists are concerned about the rapid decline in _____ populations around the world.

n. a cold-blooded animal that can live both on land and in water

41. The snake _____ its way through the underbrush, silently stalking its prey.

v. to move with a smooth wavelike motion; to have a wavy form or outline

42. The museum houses a _____ collection of Celtic artifacts.

adj. extremely interesting

43. The sprinter has a _____ way of running.

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

44. There are _____ differences between the two wine-producing regions.

adj. easy to see, discover or understand

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

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

46. The dancers practiced the steps of the _____ meticulously to perfect their performance.

n. a ballroom dance in triple time that originated in Vienna and is characterized by a flowing, graceful style and a strong accent on the first beat of each measure

ANSWERS: 39. nervous, 40. amphibian, 41. undulated, 42. fascinating, 43. dynamic, 44. obvious, 45. lab, 46. waltz

47. The unexpected financial crisis caused a _____ in the stock market, leading to widespread panic among investors.
- n.* a state of anxiety, confusion, or disturbance; a deviation or disruption from the normal or expected state
48. Powder coating protects the _____ aluminum alloy components.
- adj.* composed of thinner and lighter material than average; not severe or impressive
49. In junior high school, we had to dissect a frog in _____ class.
- n.* the scientific study of life and the natural processes of living things
50. The company is working hard to _____ their brand message to as many people as possible
- v.* to spread or promote something widely, particularly beliefs, ideas, or plants and animals through reproduction
51. The patient's _____ was causing severe pain in their wrist.
- n.* a group of nerve cells located outside the brain and spinal cord, often forming a swelling or knot; responsible for controlling certain bodily functions or movements
52. 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
53. I am _____ opposed to his idea because of morality.
- adv.* without restriction or limitation; completely or utterly

ANSWERS: 47. perturbation, 48. lightweight, 49. biology, 50. propagate, 51. ganglion, 52. process, 53. absolutely

54. He performed his magic trick _____ leaving the audience in awe.
adv. onto or on a stage in a theater; in front of an audience
55. She loves to hike _____ and explore nature.
adv. in or into the open air; outside a building or structure
56. The _____ animal was able to move quickly on four legs.
n. an animal that has four feet
57. Our university is famous for its professors, who are well-versed in behavioral _____.
n. the scientific study of the function, structure, and disorder of the brain and the nervous system
58. The report divided the data into _____ based on age, gender, and income level.
n. a part or section of something; a distinct group within a larger whole
59. The car accident left him with _____ resulting in paralysis of all four limbs.
n. paralysis affecting all four limbs and usually the trunk of the body, often caused by a spinal cord injury or disease
60. The _____ of the robotic arm was smooth and precise.
n. the action or ability to move from one place to another
61. 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

ANSWERS: 54. onstage, 55. outdoors, 56. quadruped, 57. neuroscience, 58. segments, 59. tetraplegia, 60. locomotion, 61. motors

62. He should _____ more with his colleagues.

v. to communicate or react with somebody

63. 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

64. The industry in this country is still _____.

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

65. He found _____ in the works of his favorite authors.

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

66. We have finally lost our last _____.

n. a piece of wood, metal, etc., placed beneath or against something to support it or keep it in position; a system, institution, or person that gives help or support to someone or something

67. 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

68. My leg kicked involuntarily when the doctor tapped my knee with the _____ hammer.

n. an automatic and unthinking response to a particular stimulus; a physical reaction to external stimuli

ANSWERS: 62. interact, 63. coordinate, 64. primitive, 65. inspiration, 66. prop, 67. inertia, 68. reflex

69. These heavy rains caused flash _____ on several islands.
n. a large amount of water flowing beyond its normal limits; an overwhelming number or amount
70. He pressed the _____ with all his might, but the car still wouldn't start.
n. a foot-operated lever or control, especially one used to control a vehicle, machine, or musical instrument
71. The following example _____ that the capacity of each battery is the same.
v. to think or accept something to be true without having proof of it; to take or begin to have power; to begin to exhibit a specific quality or appearance
72. The country experienced a _____ increase in population.
adj. happening slowly over a long period of time or distance; not steep or abrupt
73. The roof finally _____ after three days and three nights of heavy snowfall.
v. to fall down or give way suddenly, often after breaking apart
74. We all should learn how to _____ stress.
v. to deal with a situation, problem, or strong emotion
75. The _____ sound of the drums was mesmerizing.
adj. having a pattern of regular beats or a regular beat; characterized by rhythm
76. The large group of _____ swam gracefully in the ocean, jumping out of the water now and then.
n. a marine mammal that typically has a beaklike snout, a streamlined body, and flippers and that feeds on fish and squid

ANSWERS: 69. floods, 70. pedal, 71. assumes, 72. gradual, 73. collapsed, 74. handle, 75. rhythmic, 76. dolphins

77. Please _____ your explanation for the children.

v. to make something more straightforward, more understandable, or easier to do

78. He studied the _____ of radiation.

n. the science of matter and energy and their interactions

79. The _____ of rocks can reveal clues about their geological history.

n. the study of the form and structure of plants, animals, and other organisms; the study of the alteration of word forms as they change from one part of speech to another

80. The company is committed to being _____ with industry regulations.

adj. willing to comply with rules, requests, or demands

81. _____ algorithms can find ways to optimize that humans do not anticipate.

adj. relating to or denoting how living things develop or change from earlier forms

82. 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

83. He pushed the button and _____ the video again.

v. play something, such as a recording, a piece of music, or a game again

84. I decided to seek counseling on the advice of my _____.

n. one of a group of a coworker, especially in a profession or a business

85. He stood to inherit a million-dollar _____.

n. a thing or things that belong to someone

ANSWERS: 77. simplify, 78. physics, 79. morphology, 80. compliant, 81. Evolutionary, 82. interaction, 83. replayed, 84. colleague, 85. property

86. The doctor ordered an _____ to see if there was any damage to the bones.
- n.* a type of electromagnetic radiation that has a wavelength shorter than visible light allowing hidden objects such as bones and organs inside the body to be photographed
87. The committee _____ several apparent inconsistencies.
- v.* to conduct a systematic or formal inquiry to identify and evaluate the facts of a crime, problem, statement, etc. to establish the truth
88. The surgeon carefully confirmed how to remove the tumor to avoid damaging the _____ nerves.
- adj.* of or relating to the spine (= the long bone in the body's back)
89. The horse _____ across the field at a fast pace.
- v.* (of a horse) to run very quickly so that all four feet come off the ground together; to proceed very quickly
90. The doctor will _____ a pacemaker to regulate his heart rate.
- v.* to insert or fix an artificial device in a person's body; to put an idea, attitude, etc., firmly in the mind
91. The doctor examined the _____ on the patient's skin to determine if it was cancerous.
- n.* a damaged or abnormal area of tissue in the body, usually caused by injury or disease
92. The _____ is endangering the local plants and animals.
- n.* the introduction of harmful substances or waste into the natural environment that causes adverse change

ANSWERS: 86. X-ray, 87. investigated, 88. spinal, 89. galloped, 90. implant, 91. lesion, 92. pollution

93. The researchers try to discover a common _____ in all types of successful organizations.

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

94. The _____ cost of the project was estimated to be around \$500,000.

adj. nearly accurate or correct, but not completely so

95. Sharks have highly developed _____ systems and are extremely sensitive creatures.

adj. of or relating to the physical senses

96. The lack of sleep _____ both physical and psychological diseases.

v. to persuade someone to do something; to cause to act in a specific manner

97. An injury to the _____ can cause difficulty with walking, speaking, and maintaining posture.

n. the part of the brain at the back of the head that plays an important role in motor control, balance, and coordination

98. 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

99. He walked a road _____ to the railroad.

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

100. She _____ to keep up with him.

v. to run or jog at a moderate pace; to walk with long, quick strides

ANSWERS: 93. component, 94. approximate, 95. sensory, 96. induces, 97. cerebellum, 98. coordination, 99. parallel, 100. trotted

101. The cerebral _____ consists of six layers.

n. the outermost layer of an organ, especially the brain

102. He has _____ exercising because of a back injury sustained in an accident.

n. a condition or state that causes problems

103. The prime minister canceled visits to other countries to resolve _____ disputes.

adj. of or relating to the inside of something

104. The ____ of the swamp made it difficult to walk through the field.

n. a soft, wet, sticky earth or clay

105. The _____ of certain chemicals activates the brain's reward system.

n. the act of arousing interest or activity in something; the action of providing a stimulus

106. Dinosaurs were ancient _____ that ruled the Earth millions of years ago.

n. a vertebrate animal with four feet or leg-like appendages, especially a member of the group that includes amphibians, reptiles, birds, and mammals; a specific type of coastal defense structure which has large, four-legged concrete or rock structures commonly used in coastal engineering to protect shorelines from erosion and the impact of waves

107. The project's _____ made it difficult for the team to complete it on time.

n. the state or quality of being complicated or intricate and difficult to understand

108. They study the _____ of the universe.

n. a gradual process of transformation of living things

ANSWERS: 101. cortex, 102. difficulty, 103. internal, 104. mud, 105. stimulation, 106. tetrapods, 107. complexity, 108. evolution

109. She's on the _____ of adulthood.

n. the floor or ground that forms the bottom of a doorway and offers support when passing through a doorway; the smallest detectable sensation

110. _____ longitude is measured in degrees east or west of the Prime Meridian.

adj. of or relating to the Earth; relating to or inhabiting the land or the ground as opposed to the sea or air

111. He has a flair for _____.

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

112. She falls over _____ when she sees her mother-in-law.

adv. at, to, or toward the direction or place that is behind or rear

113. 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

114. The patient has to keep a record of _____ body temperature.

adj. forming or belonging to a bottom layer or base of something

115. Before starting the project, the engineer performed an _____ of the construction site.

n. the act of examining, assessing, or reviewing something to ensure its accuracy, quality, safety, or compliance; the process of investigating or evaluating something

116. Where can I _____ the application form?

v. to get something, especially by making a great effort

ANSWERS: 109. threshold, 110. Terrestrial, 111. mathematics, 112. backward, 113. robust, 114. basal, 115. inspection, 116. obtain

117. The fire department arrived just in time to _____ the family from the burning building.
- v.* to save someone or something from a dangerous or difficult situation
118. The government tried to _____ the commercialization of this development.
- v.* to make something faster or earlier; to cause to develop or progress more quickly
119. It is important to _____ safety procedures in the workplace to prevent accidents.
- v.* to watch or notice something carefully, often to gather information or insights; to take note of something or someone; to celebrate or commemorate a special event or occasion
120. A _____ engineer is still in demand in many companies.
- adj.* operated by a machine, relating to or concerned with machinery or tools
121. The raising of interest rates _____ the inflation rate.
- v.* to become or cause to become steady or unlikely to give way
122. Our subscription plan is _____ renewed.
- adv.* without needing a direct human control
123. An intelligent battery has a voltage monitoring _____.
- n.* (in electrical engineering) an electrical device that provides a path for electrical current to flow; a journey or route around a particular place or area
124. The firm has grown into a large _____ manufacturing.
- adj.* relating to or connected with chemistry;

ANSWERS: 117. rescue, 118. accelerate, 119. observe, 120. mechanical, 121. stabilizes, 122. automatically, 123. circuit, 124. chemical

125. I've included the two designs for a _____.
- n.* the consideration or examination of the similarities between two or more people or things
126. These articles cite five _____ of climate change.
- n.* a particular example or single occurrence of something
127. The shipwreck _____ was rescued after floating in the ocean for three days.
- n.* a person who remains alive after an event in which others have died
128. It is important to place the _____ in the correct position for accurate electro-cardiogram recording.
- n.* either of two points or ends of a conductor at which electricity enters or leaves an object, substance, or region
129. My remote _____ immigrated to the United States from Ireland in the 1800s.
- n.* a person from whom one is descended; a forefather
130. The golfer recorded an _____ distance.
- adj.* extremely surprising, especially in a way that you like or admire
131. It was the _____ of a dinosaur tooth.
- n.* any preserved remains, impression, or trace of any once-living thing that has become hard and turned into rock
132. We plan to raise a giant _____ as a pet.
- n.* any of various typically terrestrial amphibians that resemble lizards and that return to water only to breed

ANSWERS: 125. comparison, 126. instances, 127. survivor, 128. electrodes, 129. ancestor, 130. amazing, 131. fossil, 132. salamander

133. To _____ your purchase, please visit the following link.
- v.* to check or prove that something is true; to make something officially or legally acceptable or approved
134. He is very popular at school because he can _____ all the teachers' accents.
- v.* to imitate someone's speech, movement, or behavior, especially to make others laugh
135. I stopped by the branch though I have no business of _____.
- n.* the quality of being important and worthy of note
136. The skin of a snake is remarkably _____ allowing it to slither through tight spaces.
- adj.* flexible, resilient, or adaptable; (noun) a stretchy material or band that can be stretched and then returned to its original shape; something that is flexible and adaptable
137. She agreed to _____ with him in creating new artwork.
- v.* to work with someone else to produce or achieve something
138. The music just _____ out.
- v.* to fail or lose power, efficiency, or value gradually before coming to an end
139. The _____ of the dancers on stage was graceful and elegant.
- n.* a group of people working together to achieve a shared goal, especially a political, social, or artistic one; the process of moving or being moved, physically or figuratively
140. X-rays revealed a small tumor in his _____.
- n.* the organ inside the head that is responsible for one's movement, thought, memory, and feeling

ANSWERS: 133. validate, 134. mimic, 135. importance, 136. elastic, 137. collaborate, 138. petered, 139. movement, 140. brain

141. I _____ to him that I had seen his sister at the grocery store earlier that day.
v. to speak or write about something or someone briefly
142. The budget reduction was an _____ feat for our nation.
adj. arousing admiration due to size, quality, or skill
143. Many people in this city use the _____ railway for transportation.
n. a shape like a curve or a circle made by something long and thin, such as a piece of string, that bends round and crosses itself
144. She decided to _____ around the park to clear her head.
v. to run or move at a slow or leisurely pace, typically for exercise; to continue talking or writing without a definite plan or purpose
145. Destructive fungi thrive in moist environments, such as those seen in wounds on the _____.
n. the main stem or body of a tree which its branches grow
146. He uses a _____ traction machine for his treatment.
n. a bone in the spine, or the spinal column forming the supporting structure of the spine and protecting the spinal cord
147. The nation's healthcare system is in _____ at the moment.
n. the process or period of changing from one state or circumstance to another
148. She's a _____ pet owner who ensures her dog gets enough exercise and a healthy diet.
adj. answerable or accountable for something within one's power, control, or management

ANSWERS: 141. mentioned, 142. impressive, 143. loop, 144. jog, 145. trunk, 146. vertebra, 147. transition, 148. responsible

149. His estate was _____ to his sons.

- v.* to give something to a large number of individuals, or to spread or furnish something

150. He studied _____ in college and now works as an engineer.

- n.* the branch of physics that deals with the study of motion, forces, and energy; (mechanic) someone whose occupation is repairing and maintaining automobiles

151. For greater efficiency, our efforts must be better _____.

- adj.* effectively arranged or organized so that all the parts work smoothly or systematically together

152. The older woman's _____ was slow and unsteady.

- n.* a person's manner of walking, running, or moving on foot; a particular pattern or style of movement or locomotion

153. The _____ of the tent was open, letting in the fresh air.

- n.* a piece of material attached to a garment, sail, or aircraft which flaps in the wind; (verb) to move in a wavy pattern or with an up-and-down motion

154. Their headquarters are in a _____ skyscraper.

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

155. The oscillator hunts for the correct _____.

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

156. I was amazed at the _____ of her generosity.

- n.* the point or degree or area to which something extends

ANSWERS: 149. distributed, 150. mechanics, 151. coordinated, 152. gait, 153. flap, 154. modern, 155. frequency, 156. extent

157. Marketing strategies are growing more _____.

adj. having a great deal of worldly experience and knowledge of people's behavior, culture, and fashion

158. I'm _____ of insects.

adj. afraid or frightened

159. There was a disturbance of _____ function.

adj. of or relating to a nerve or the nervous system that includes the brain

160. The evolution of processors has dramatically improved the performance of ____.

n. (abbreviation for artificial intelligence) the theory and development of computer systems capable of doing activities that would ordinarily need human intelligence, such as object recognition, speech recognition, decision-making, and language translation

161. 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

162. The _____ process involved in solving complex mathematical problems requires intense focus and concentration.

n. the process of thinking, reasoning, or using the intellect

ANSWERS: 157. sophisticated, 158. scared, 159. neural, 160. AI, 161. structure, 162. cerebration