

# Englist.me



## Vocabulary Builder Reference from...

*Blaise Agüera y Arcas: How computers are learning to be creative | TED Talk*

[https://www.ted.com/talks/blaise\\_aguera\\_y\\_arcas\\_how\\_computers\\_are\\_learning\\_to\\_be\\_creative](https://www.ted.com/talks/blaise_aguera_y_arcas_how_computers_are_learning_to_be_creative)

### All Words

#### IMPORTANT

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## Session 1: Word List

### intelligence

*n.* the ability to learn, comprehend, or make judgments or conclusions based on reasons

*synonym* : brains, brightness, cleverness

(1) an **intelligence** test, (2) field of artificial **intelligence**

In terms of **intelligence**, he was head and shoulders above his classmates.

### engineer

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

*synonym* : architect, creator, builder

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

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

### discipline

*n.* the practice of training people to obey rules or a code of behavior, using and punishments if these are broken; a region of activity, knowledge, or influence

*synonym* : training, restraint, field

(1) break **discipline**, (2) rigid **discipline**

He quickly learned the military **discipline**.

### device

*n.* a piece of equipment, tool, or technology that serves a particular purpose or function, often mechanical or electronic

*synonym* : gadget, instrument, tool

(1) electronic **device**, (2) tracking **device**

I always carry a backup **device** in case my phone runs out of battery.

## 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**.

## 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**.

## superior

*adj.* better, higher in quality, or more advanced than others

*synonym* : better, greater, exceptional

(1) **superior** performance, (2) provide **superior** customer service

The new smartphone model is **superior** to the previous version in terms of speed and features.

## historic

*adj.* famous or significant in history, or potentially so

*synonym* : memorable, momentous, historical

(1) **historic** accomplishment, (2) achieve the **historic** feat

The Chinese people have accomplished several **historic** feats.

## perception

*n.* a belief, opinion, or image you have based on how you regard, understand, or interpret something; the ability to see, hear, or notice something through the senses

*synonym* : understanding, idea, awareness

(1) keen **perception**, (2) **perception** of a stimulus

He is a man admired for the depth of his **perception**.

## 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.

## concept

*n.* an idea or principle associated with something abstract

*synonym*: idea, notion, vision

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

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

## essential

*adj.* indispensable; fundamental

*synonym*: critical, crucial, basic

(1) **essential** amino acid, (2) **essential** commodities of life

Trial and error is an **essential** part of education.

## algorithm

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

*synonym*: logic, method, rule

(1) the RSA **algorithm**, (2) **algorithm** for image processing

We can evaluate the performance of an **algorithm** in terms of computation time.

## flip

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

*synonym*: throw, jump

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

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

## creative

*adj.* relating to or involving the use of skill and original and unusual ideas to create something

*synonym* : imaginative, innovative, inventive

(1) **creative** writing, (2) barren of **creative** spirit

All the supervisor has to do is assign tasks that make his subordinates more **creative**.

## unexpected

*adj.* not anticipated or regarded as likely to happen

*synonym* : surprising, unanticipated, incredible

(1) an **unexpected** visitor, (2) some **unexpected** events

The **unexpected** rainstorm caused the collapse of the corral.

## penetrating

*adj.* able to pierce or enter deeply into something; having a sharp, intense quality that cuts through superficiality or confusion

*synonym* : keen, piercing, sharp

(1) **penetrating** gaze, (2) **penetrating** analysis

The **penetrating** smell of freshly brewed coffee filled the room.

## insight

*n.* the ability to gain an accurate and deep understanding of people or situations; an accurate and deep understanding of what something is like

*synonym* : wisdom, discernment, understanding

(1) a profound **insight**, (2) share my **insights**

We gained various **insights** by analyzing the vast amount of data owned by the company.

## dual

*adj.* having two parts, aspects, or elements

*synonym* : twofold, binary, double

(1) **dual** purpose, (2) **dual** nationality

This laptop has a **dual-core** processor, making it fast and efficient.

## relation

*n.* the way two persons or groups of people feel and act toward one another

*synonym* : association, linkage, connection

(1) **relation** between cause and effect, (2) **relation** of inclusion

The industrial **relations** laws were passed with little to no alteration.

## statue

*n.* a sculpture of a person or animal, typically made of stone or metal, that is intended to represent the subject in a lifelike or symbolic way

*synonym*: sculpture, figurine, monument

(1) a beautiful **statue**, (2) the ancient Egyptian **statues**

The **statue** of the famous hero stood proudly in the town square.

## sculptor

*n.* an artist who creates sculptures, three-dimensional objects, or forms

*synonym*: carver, modeler, artist

(1) **sculptor** studio, (2) renowned **sculptor**

The famous **sculptor** used various tools to carve the marble into the desired shape.

## discovery

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

*synonym*: finding, uncovering, detection

(1) a scientific **discovery**, (2) the great **discovery** of the century

Her research team made an important **discovery**.

## perceive

*v.* to become aware or conscious of something through the senses

*synonym*: sense, discern, feel

(1) **perceive** a threat, (2) **perceive** light

Australia is widely **perceived** as having low levels of corruption.

## imaginary

*adj.* existing only in someone's mind

*synonym*: fictional, ideal, fantastical

(1) **imaginary** number, (2) **imaginary** pregnancy  
Little children tend to have **imaginary** friends.

## intestine

*n.* a long, tube-like organ in the digestive system that is responsible for absorbing nutrients from food and eliminating waste products

*synonym*: gut, bowel, tract

(1) large **intestine**, (2) **intestine** wall

The small **intestine** is responsible for absorbing most of the nutrients from food.

## anatomy

*n.* the scientific study that deals with the physical structure of humans, animals, or plants

(1) animal **anatomy**, (2) **anatomy** of a country's collapse

The professor explained the **anatomy** of the nervous system.

## superficial

*adj.* existing or occurring only at or on the surface; appearing to be true or real only until examined more closely

*synonym*: shallow, facile, cursory

(1) **superficial** wound, (2) **superficial** knowledge

The journalist's **superficial** reporting should have captured the full scope of the issue.

## 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.

## fanciful

*adj.* characterized by or involving imaginative and unrealistic ideas or concepts; existing or perceived only in the imagination

*synonym*: imaginative, whimsical, fantastic

(1) **fanciful** idea, (2) **fanciful** tale

Her **fanciful** imagination allowed her to dream up incredible stories.

## hippocampus

*n.* a major component of the brain of humans and other vertebrates that is part of the limbic system and is vital for memory

(1) involvement of the **hippocampus**, (2) neurons in the **hippocampus**

The **hippocampus** is crucial for learning and memory storage.

## shrimp

*n.* a small, freshwater or saltwater creature with a slender body and long legs

*synonym*: prawn, langoustine, scampi

(1) **shrimp** cocktail, (2) **shrimp** farming

The seafood restaurant had a variety of dishes featuring **shrimp**.

## develop

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

*synonym*: evolve, progress, advance

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

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

## span

*n.* the entire length of something, such as time or space from beginning to end; the amount of space that something covers

*synonym*: interval, period, length

(1) the **span** of a bird's wings, (2) the average life **span**

He slightly modified the **span** of training because it was just before a match.

## microscopy

*n.* the scientific study of small structures or substances using microscopes, including the anatomical, physiological, and pathological aspects of cells, tissues, and organs

*synonym* : microanalysis, magnification

(1) clinical **microscopy**, (2) electron **microscopy**

The scientist used a **microscopy** technique to study the cells at a microscopic level.

## stain

*v.* to discolor, defile, or tarnish something; (noun) a discoloration or dirty mark on a surface that is difficult to remove

*synonym* : discolor, tarnish, defile

(1) **stain** the carpet, (2) red wine **stain**

The allegations of corruption **stained** her reputation, and she struggled to regain public trust.

## render

*v.* to bring someone or something into a particular state; to provide something such as service, help, etc.

*synonym* : deliver, give, provide

(1) **render** an assessment, (2) **render** the contract void

The jury must **render** a decision on this complex case.

## contrast

*v.* to put in opposition to show or emphasize differences

*synonym* : differ, vary, counterpoint

(1) **contrast** with a decade ago, (2) **contrast** two things

It's intriguing to compare and **contrast** the two authors.

## individual

*n.* a single person or thing, as distinct from a group

*synonym* : person, being, self

(1) a private **individual**, (2) **individual** freedom

As an **individual**, he had the right to make his own decisions and live his life as he saw fit.

## 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.

**neuron**

*n.* a cell that is specialized to carry information within the brain and between the brain and other parts of the body

*synonym* : nerve cell

(1) excite the **neurons**, (2) **neuron** cell body

Our body transfers information along each **neuron** using an electrical impulse.

**incredible**

*adj.* unbelievable; enormous

*synonym* : unbelievable, fantastical, inconceivable

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

Her response revealed **incredible** idiocy.

**cellular**

*adj.* of or connected with the cells of animals or plants; of or connected with a mobile telephone system that uses several short-range radio stations instead of wires

*synonym* : organic, biological, nuclear

(1) **cellular** and molecular biology, (2) a **cellular** phone handset

This factory employs a **cellular** manufacturing system.

**arbor**

*n.* a shady place or a shelter formed by trees, vines, or climbing plants; a lattice framework or trellis that supports climbing plants; a seating area or shelter made of woven branches or vines; (of medicine, also "arbor vitae") the white matter of the cerebellum in the brain

*synonym* : mandrel, pergola, bower

(1) grape **arbor**, (2) **arbor** vitae

The wooden bench beneath the **arbor** was a peaceful place to read a book.

## branch

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

*synonym* : limb, twig, bough

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

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

## distance

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

*synonym* : space, gap, span

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

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

## novel

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

*synonym* : fiction, story, (adjective) innovative

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

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

## reminiscent

*adj.* making you remember someone or something; relating to the recall of personal interests

*synonym* : evocative, mindful, redolent

(1) **reminiscent** of ancient times, (2) **reminiscent** smile

His painting style is **reminiscent** of Monet's

## 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.

## revolution

*n.* a large-scale attempt to overthrow the government of a country, often using violence or war;

*synonym*: coup, innovation, rebellion

(1) beginning of the industrial **revolution**, (2) a political **revolution**

The **revolution** by the citizen resulted in a redistribution of wealth.

## electrify

v. to make a machine or system work by using electricity; to make someone extremely enthusiastic about or interested in something

*synonym*: wire, amaze, astonish

(1) **electrify** the audience, (2) **electrify** a manufacturing process

The product developed through years of research continues to **electrify** the market.

## underway

*adj.* having started and currently in progress

*synonym*: afoot, ongoing, in motion

(1) just getting **underway**, (2) campaign now **underway**

This project has been **underway** for several years.

## anatomical

*adj.* of or relating to the structure of the body and its parts

*synonym*: physical, bodily, structural

(1) **anatomical** structure, (2) **anatomical** elements

The **anatomical** model of the human body was used to teach medical students.

## surpass

v. to be or do better than someone or something; to excel or go beyond the limits or standards of something

*synonym*: excel, outdo, outperform

(1) **surpass** imagination, (2) **surpass** \$20 billion in sales

The athlete's record-breaking performance **surpassed** all expectations.

## 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.

## maximum

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

*synonym*: peak, top, highest

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

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

## Planck

*n.* a unit of measurement used in physics to quantify the smallest possible amounts of energy, typically associated with subatomic particles and other quantum phenomena

(1) **Planck** mass, (2) **Planck** length

**Planck's** constant is a fundamental constant of nature used in quantum mechanics.

## institute

*n.* an organization that has a specific purpose, particularly one dealing with science, education, or a particular profession; (verb) to initiate, introduce, or establish something

*synonym*: academy, university, college

(1) **institute** a lawsuit, (2) research **institutes**

This region has many **institutes** offering higher education.

## tissue

*n.* an ensemble of similar cells of the animal or plant that together carry out a specific function

*synonym*: structure, texture, anatomy

(1) a facial **tissue**, (2) loss of muscle **tissue**

The researcher separated the nervous **tissue** for microscopic examinations.

## cubic

*adj.* having the shape of a cube or being of three dimensions; measured in units that are the third power of a linear unit

*synonym* : three-dimensional, boxlike, cubical

(1) **cubic** meter, (2) **cubic** structure

The package was a **cubic** shape, which made it easier to stack on the shelf.

## micron

*n.* a unit of measurement equal to one-millionth of a meter, used for measuring the size of particles and microorganisms

*synonym* : micrometer

(1) **micron** measurements, (2) **micron** imaging

The width of a single human hair is around 100 **microns**.

## mitochondria

*n.* (singular: mitochondrion) an organelle (= a specialized part of a cell) found in large numbers in most cells that produce energy for the cell by breaking down food

(1) a membrane of a **mitochondria**, (2) healthy

**mitochondria**

**Mitochondria** DNA is used to trace human lineage and migration footprints.

## bacteria

*n.* single-celled or noncellular spherical or spiral or rod-shaped organisms that exist in large numbers in the air, water, and soil, and also in living and dead creatures and plants, and are often a cause of disease

*synonym* : microorganism, microbe

(1) pathogenic **bacteria**, (2) harmless **bacteria**

**Bacteria** prevalent in hospitals are often resistant to antibiotics.

## consecutive

*adj.* following in a sequence or order without interruption or break; occurring one after another

*synonym* : successive, sequential, uninterrupted

(1) **consecutive** holidays, (2) suffer **consecutive** defeats

The athlete won three **consecutive** championships in her sport.

**slice**

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

*synonym* : piece, portion, slit

(1) a **slice** of the company's revenue, (2) **slice** a tomato thin  
The children complained because one **slice** of cake was slightly larger than the other.

**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**.

**sake**

*n.* purpose; reason for wanting something done

*synonym* : purpose, reason, interest

(1) for your own **sake**, (2) for the **sake** of argument

He got a new job for the **sake** of his family.

**diameter**

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

*synonym* : diam, width

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

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

**strand**

*n.* a very thin natural or synthetic thread, wire, hair, etc.;  
(verb) to leave or drive a vessel, fish, etc., aground or ashore

*synonym* : fiber, filament, string

(1) a **strand** of fine hair, (2) double- **strand** DNA

I heard several melodic **strands** simultaneously.

**serial**

*adj.* consisting of or occurring in a series or sequence; relating to or involving a series or sequence of events, stories, or incidents

*synonym* : consecutive, sequential, successive

(1) **serial** killer, (2) **serial** number

The company is launching a new line of **serial** products aimed at young adults.

## electron

*n.* a tiny particle with the negative electrical charge

*synonym*: negatron

(1) flow of **electrons**, (2) beam of **electrons**

The outermost **electron** shell determines the chemical properties of an atom.

## reconstruction

*n.* the process of rebuilding or repairing something that has been damaged or destroyed or of restoring something to its original condition

*synonym*: rebuilding, remodeling, renovation

(1) **reconstruction** aid, (2) **reconstruction** aid

The government announced a plan for the **reconstruction** of the city's infrastructure.

## progression

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

*synonym*: advancement, development, evolution

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

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

## proceed

*v.* to move forward or to continue with a process or action; to advance or progress

*synonym*: advance, progress, move ahead

(1) **proceed** with caution, (2) **proceed** to the next step

We can now **proceed** with the next item on our agenda.

## advance

*v.* to go or move forward; to develop in a positive way

*synonym*: progress, boost, come along

(1) **advance** the technology, (2) **advance** a cooperative relationship

Scientific knowledge will **advance** significantly with the power

of AI.

## electrical

*adj.* relating to electricity

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

Actuators convert **electrical** pulses into motion.

## experiment

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

*synonym*: experimentation, investigation

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

His **experiments** showed highly positive results.

## invention

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

*synonym*: creation, design, innovation

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

Necessity is the mother of **invention**.

## intelligent

*adj.* having the capacity for thought and reason, especially to a high degree

*synonym*: brilliant, clever, competent

(1) an **intelligent** person, (2) **intelligent** assisting system

**Intelligent** robots that can cooperate with humans have limited motor output for safety.

## machinery

*n.* a group of large machines or the components of a machine that make it work; social institution functions or structure for doing something

*synonym*: apparatus, appliance, equipment

(1) heavy **machinery**, (2) inactive **machinery**

The **machinery** of audit formally issued a business improvement order.

## visual

*adj.* relating to seeing or sight

*synonym*: optical, graphical, visible

(1) **visual** navigation, (2) field of **visual** arts



The building makes a remarkable **visual** impact.

## 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.

## imagery

*n.* the use of words or pictures in books, photographs, paintings, etc., that produces pictures in the minds of people; the ability to form mental images of things or events

*synonym*: metaphors, symbolism, imaging

(1) visual **imagery**, (2) satellite **imagery**

This movie is famous for its romantic **imagery**.

## 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**.

## diagram

*n.* a simplified illustration of the appearance, structure, or workings of something

*synonym*: chart, figure, graph

(1) 3D **diagram**, (2) in a **diagram**

He is drawing a **diagram** illustrating how the equipment operates.

## computation

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

*synonym*: calculation, estimation, arithmetic

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

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

## cascade

*n.* a small waterfall or series of small waterfalls; a succession of stages or operations or processes or units

*synonym*: waterfall, watercourse, step

(1) **cascade** connection, (2) transistor **cascade**

The **cascade** of waterfalls in the national park was a breathtaking sight.

## essentially

*adv.* relating to the essential features or concepts of anything

*synonym*: fundamentally, basically, virtually

(1) **essentially** correct, (2) become **essentially** same

**Essentially**, a society is an organism.

## compute

*v.* to make a mathematical calculation

*synonym*: calculate

(1) **compute** an average score, (2) **compute** the value

I tried to **compute** the efficiency of the investment.

## paradigm

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

*synonym*: example, standard, epitome

(1) major **paradigm** shift, (2) cultural **paradigm**

He postulated a completely different **paradigm** to explain all these phenomena.

## pixel

*n.* the smallest unit of an image that can be displayed or manipulated electronically, typically a point of light on a computer screen or in a digital image

*synonym*: dot, point, picture element

(1) **pixel** density, (2) color **pixels**

The computer screen comprises thousands of tiny **pixels** that create the overall picture.

## 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.

## 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.

## nowadays

*adv.* at the current time, in comparison to the past

*synonym*: currently, presently, today

(1) young people **nowadays**, (2) not to be seen **nowadays**

People can clone a sheep **nowadays**.

## retina

*n.* the innermost light-sensitive membrane covering the back wall of the eyeball

(1) **retinal** cells, (2) **retina** scanner

Damage to the **retina** may play a role in the development of glaucoma.

## synapse

*n.* the fact or state of failing to finish an activity and of stopping using, making, or doing it

(1) **synapse** circuit, (2) end at a **synapse**

Animals transmit nerve impulses through **synapses**.

## strength

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

*synonym*: resilience, power, muscles

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

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

## represent

*v.* to speak, act, or be present on behalf of another person or group; to form or constitute

*synonym*: depict, express, describe

(1) **represent** by a diagram, (2) the characters that **represent** numbers

We elected him to **represent** us at the international conference.

## variable

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

*synonym*: erratic, inconsistent, irregular

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

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

## trillion

*n.* the number 1,000,000,000,000; a million million

(1) **trillion** cubic feet, (2) many **trillions** of dollars

One light year is nearly 6 **trillion** miles.

## pretension

*n.* the act of claiming or asserting something, especially without good reason or without evidence; an unfounded or excessive claim or ambition

*synonym*: presumption, pretense, affectation

(1) **pretension** to authority, (2) baseless **pretension**

His **pretensions** of being a gourmet were quickly exposed when he could not identify basic herbs and spices.

## formula

*n.* a group of symbols, letters, or numbers that represent a rule, law, or mathematical statement

*synonym*: expression, recipe, procedure

(1) structural **formula**, (2) a binomial **formula**

The teacher told the students to memorize the math **formula**.

## scare

*v.* to frighten a person or animal, or to become frightened

*synonym*: frighten, spook, intimidate

(1) **scare** off her attacker by screaming, (2) **scare** the birds away

We hit the ground to **scare** out the rabbits.

## complicated

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

*synonym*: complex, convoluted, intricate

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

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

## 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**.

## equation

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

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

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

## inference

*n.* a conclusion reached based on evidence and reasoning; a deduction or assumption

*synonym*: deduction, conclusion, assumption

(1) make an **inference**, (2) logical **inference**

Based on ice core samples, scientists can draw **inferences** about the Earth's past climate.

## relative

*adj.* considered and evaluated through comparison with something else

*synonym*: comparative, proximate, congeneric

(1) a remote **relative**, (2) **relative** factors

Most countries prohibit sexual activity between certain close **relatives**.

## straightforward

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

*synonym*: honest, candid, forthright

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

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

## multiply

*v.* to add a number to itself a specified number of times; to increase or cause to increase very much in number or quantity

*synonym* : boost, amplify, reproduce

(1) **multiply** 5 and 6, (2) **multiply** about hundredfold

**Multiply** a number by itself twice.

## 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.

## 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.

## gloss

*n.* a smooth and shiny surface on a material, often achieved through the application of a coating or finish; a brief or superficial explanation or description, often used to make something seem better or more attractive than it actually is; (*v.*) to make something appear better or more positive than it really is, often by using vague or misleading language

*synonym* : shine, gleam, luster

(1) **gloss** over my mistake, (2) **gloss** of politeness

The shiny **gloss** on the new car made it look even more impressive.

## divide

*v.* to separate or cause to separate into parts or groups

*synonym* : separate, disconnect, split

(1) **divide** the cake into two pieces, (2) **divide** money equally

Can you **divide** 123321 by eleven?

## division

*n.* the act or outcome of splitting into separate parts; a critical organizational unit or sector

*synonym*: branch, separator, section

(1) cellular **division**, (2) **division** chief

Which **division** of the company do you work in?

## inverse

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

*synonym*: opposite, reverse, contrary

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

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

## linear

*adj.* of, relating to, or consisting of lines or length; able to be expressed as a straight line, especially on a graph

*synonym*: straight, direct, right

(1) **linear** trend, (2) a **linear** equation

People tend to make **linear** predictions.

## algebra

*n.* a type of mathematics in which signs and letters represent numbers

*synonym*: calculus

(1) **algebra** calculation, (2) strong in **algebra**

His classmates were laboring with advanced **algebra**.

## minimize

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

*synonym*: diminish, mitigate, belittle

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

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

## initial

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

*synonym*: basic, primary, beginning

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

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

**polo**

*n.* a sport played on horseback in which two teams try to hit a ball through a goal using long-handled mallets

(1) **polo** shirt, (2) **polo** championship

I watched a thrilling **polo** match at the club over the weekend.

**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.

**typical**

*adj.* having the usual characteristics or traits of a specific group of things

*synonym*: characteristic, usual, distinctive

(1) **typical** leader, (2) fairly **typical** symptoms

This artwork is **typical** of her work.

**decide**

*v.* to make up someone's mind about something; to come to a conclusion or judgment after considering options

*synonym*: choose, determine, settle

(1) **decide** a question, (2) **decide** on a course of action

She couldn't **decide** whether to order the pizza or the pasta for dinner.

**procedure**

*n.* a way of doing something, especially the official or well-known way

*synonym*: action, approach, course

(1) undergo a surgical **procedure**, (2) standard **procedure**

The pilot and flight attendant ran through the check-out **procedure**.

**recognize**

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

*synonym*: acknowledge, identify, admit

(1) **recognize** talent, (2) **recognize** achievement



It's important to **recognize** your strengths and weaknesses.

## entirely

*adv.* completely

*synonym* : completely, fully, totally

(1) **entirely** satisfied with the meal, (2) he was **entirely** to blame

Later, his claim was found to be **entirely** false.

## parade

*n.* a public procession, especially one celebrating a special day or event

*synonym* : procession, march, rally

(1) a military **parade**, (2) **parade** route

The annual Fourth of July **parade** is popular in the town square.

## artwork

*n.* the pieces of art, such as pictures and photographs used in books, magazines, etc.

*synonym* : painting, picture, graphics

(1) ancient **artwork**, (2) **artwork** conservation

Videos documenting the process of creating this pencil **artwork** have been popular worldwide.

## sketch

*n.* a simple, quickly-made picture that does not have many details; a short descriptive summary of something

*synonym* : drawing, outline, blueprint

(1) a penciled **sketch**, (2) first design **sketches**

Yesterday, I created a rough **sketch** of the plan.

## rub

*v.* to move one's hand or an object over the surface of something with pressure

*synonym* : scrub, massage, stroke

(1) **rub** shoulders, (2) **rub** a glass window

She **rubbed** the sore spot on her leg to ease the pain.

## vary

*v.* to become different in terms of size, shape, etc.

*synonym* : alter, contrast, differ

(1) **vary** according to the age, (2) **vary** directly with the price  
Maximum heart rates **vary** a lot for each individual.

## distinguish

*v.* to notice or understand the difference between two people or things

*synonym*: determine, differentiate, characterize

(1) **distinguish** these two things, (2) **distinguish** man from the other animals

This study **distinguished** four different ways to run a business.

## morph

*v.* to change or cause to change something or someone smoothly and gradually from one thing to another

*synonym*: alter, modify, transform

(1) **morph** into a different shape, (2) **morph** into something entirely different

This company **morphed** into an enterprise company.

## dimension

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

*synonym*: extent, measurement, size

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

Overall **dimensions** are approximately 400x200mm.

## thereby

*adv.* as a result; consequence of a particular action or set of conditions

*synonym*: thus, hence, as a result

(1) **thereby-obtained** data, (2) **thereby** improving overall health

The new software will streamline the workflow, **thereby** increasing productivity.

## doe

*n.* a mature female of mammals of which the male is called a buck, such as a deer or a rabbit

*synonym*: rabbit, bunny, hare

(1) **doe** rabbit, (2) buck and **doe**

Hunters use a whistle that makes the **doe** sound to lure stags.

## synthesis

*n.* the combination of components or elements to form a more complex whole; the creation of something new through combining parts or elements

*synonym* : combination, integration, compound

(1) **synthesis** of ammonia, (2) protein **synthesis** inhibitor

The chemical **synthesis** of the new drug was a breakthrough in medical research.

## armadillo

*n.* a mammal with a protective bony armor covering its body, native to the Americas and known for its ability to roll into a ball for defense

*synonym* : armored mammal, pangolin

(1) **armadillo** shell, (2) **armadillo** burrow

The biologist is conducting a study on the dietary habits of the **armadillo**.

## spot

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

*synonym* : dot, mark, place

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

This remote **spot** is rarely visited.

## parameter

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

*synonym* : factor, variable, characteristic

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

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

## crazy

*adj.* stupid or not sensible; very angry

*synonym* : insane, absurd, bizarre

(1) **crazy** about cars and racing, (2) a **crazy** scheme

The rain and thunder are **crazy** today.

## cubism

*n.* a 20th-century art movement that emphasizes the formal structure of objects, often breaking them down into geometric shapes and planes and depicting them from multiple angles at once

*synonym*: abstractionism, geometric art

(1) geometric **cubism**, (2) abstract **cubism**

Pablo Picasso and Georges Braque are two of the most famous **cubism** artists.

## surreal

*adj.* strange and unreal; having an oddly dreamlike quality

*synonym*: dreamlike, fantastical, unreal

(1) **surreal** number, (2) **surreal** art

The dreamlike quality of the painting gave it a **surreal** feel.

## psychedelic

*adj.* relating to or characterized by the use of drugs or the effects that produce altered perceptions, heightened awareness, and vivid imagery; describing art, music, or fashion characterized by bright colors, bold patterns, and unconventional designs

*synonym*: trippy, hallucinogenic, mind-bending

(1) **psychedelic** therapy, (2) **psychedelic** art

The Beatles' **psychedelic** music was a hallmark of the 1960s counterculture movement.

## rid

*v.* to make someone or something free of unwanted or unpleasant tasks, objects, or person

*synonym*: do away with, free, clear

(1) get **rid** of the rats, (2) **rid** the body of waste products

We must **rid** ourselves of pollution.

## ambiguity

*n.* the quality of being open to more than one interpretation; the uncertainty of meaning

*synonym*: uncertainty, vagueness, obscurity

(1) free from **ambiguity**, (2) avoid **ambiguity** in writing

The **ambiguity** in the instructions made it difficult for her to complete the task.

## pose

*v.* to present a risk, problem, or other issues that must be addressed

*synonym* : present, put, position

(1) **pose** a significant threat to my company, (2) **pose** a challenge

The chemicals **pose** a massive health risk.

## statistics

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

(1) **statistics** for cancer, (2) official **statistics**

The **statistics** demonstrate that poverty and unemployment are genuine problems.

## confusion

*n.* the state of being mixed up or unclear, or the state of disorder or uncertainty

*synonym* : disorder, disarray, chaos

(1) administrative **confusion**, (2) in great **confusion**

The sudden policy change has caused **confusion** among employees.

## ambiguous

*adj.* open to more than one interpretation; not clear or decided

*synonym* : unclear, uncertain, equivocal

(1) **ambiguous** situation, (2) clarify **ambiguous** points

The instructions provided were **ambiguous** and confused the team.

## 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.

## reconstruct

*v.* to build or form something again that has been damaged or destroyed

*synonym* : rebuild, revamp, reorganize

(1) **reconstruct** an image, (2) **reconstruct** the original text  
They've decided to **reconstruct** a ruined castle.

## coherent

*adj.* logical and consistent; (noun) the quality of being clear and easy to understand

*synonym* : logical, consistent, clear

(1) a **coherent** explanation, (2) create a **coherent** system  
His writing was well-structured and **coherent**.

## blank

*adj.* without any writing or printing; empty or devoid of ideas, information, or meaning; unable to remember or recall information

*synonym* : empty, void, barren

(1) **blank** expression, (2) **blank** paper

The computer screen displayed nothing but a **blank** white screen

## canvas

*n.* the heavy, closely woven fabric used for making tents, sails, etc. and by artists for painting on

(1) blank **canvas**, (2) oil on **canvas**

Life is a vast **canvas**; you should put as much paint on it as possible.

## demonstration

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

*synonym* : manifestation, presentation, show

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

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

## categorize

*v.* to put people or things into groups according to their features, types, etc.

*synonym* : classify, pigeonhole, sort

(1) **categorize** the image, (2) **categorize** the cause of failure

The biologist **categorized** the viruses into four groups.

## human-made

*adj.* created or produced by humans; artificial

*synonym* : artificial, unnatural, manufactured

(1) **human-made** climate change, (2) the worst **human-made** disaster

The bridge is a **human-made** structure and was built to span the river.

## hallucinate

*v.* to experience a seemingly real perception of something that does not actually exist, usually as a result of a mental illness or drug use

(1) start to **hallucinate**, (2) **hallucinate** with drug

Sleep-deprived people gradually lose their concentration and may **hallucinate**.

## zoom

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

*synonym* : move quickly, dive, buzz

(1) **zoom** in on a photo, (2) **zoom** lens

He **zoomed** back in time to the soccer game.

## fugue

*n.* a musical composition characterized by a theme that is introduced in one voice or part and then imitated or echoed by other voices or parts, typically in a complex and contrapuntal manner; a rare psychiatric disorder characterized by reversible amnesia for personal identity

*synonym* : composition, counterpoint, musical form

(1) musical **fugue**, (2) dissociative **fugue**

The symphony orchestra performed a complex **fugue**, showcasing their skill and precision.

## suppose

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

*synonym* : guess, assume, presume

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

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

## association

*n.* a people or groups of people who have joined in a single organization together for a particular purpose; a social or

business connection or relationship

*synonym* : affiliation, collaboration, society

(1) word **associations**, (2) a scholarship **association**

His membership in the **association** provided him with numerous benefits.

## basis

*n.* the most important facts, ideas, or events from which something is developed; the way how things are organized or arranged

*synonym* : foundation, base, ground

(1) on an equal **basis**, (2) **basis** for calculation

This evidence will form the **basis** for our discussion.

## marijuana

*n.* a psychoactive drug derived from the Cannabis plant, used for medicinal or recreational purposes; a drug that is illegal in some countries and states but legal in others for specific purposes

*synonym* : cannabis, weed, pot

(1) recreational **marijuana**, (2) medical **marijuana**

Studies have shown that long-term use of **marijuana** can have adverse effects on cognitive abilities.

## constrain

*v.* to restrict or limit someone or something's freedom or ability to do something

*synonym* : restrict, limit, confine

(1) **constrain** his freedom, (2) **constrain** information flow

The political situation **constrained** the country's economic growth and foreign relations.

## involve

*v.* to include or affect someone or something as a necessary part of something else

*synonym* : implicate, include, engage

(1) **involve** a lot of paperwork, (2) **involve** a high degree of risk

The investigation **involves** several government agencies and is expected to take several months.



## backpack

*n.* a bag or pack that is worn on the back, often used for carrying books, equipment, or supplies

*synonym*: knapsack, rucksack, pack

(1) **backpacker's** hostel, (2) **backpacking** trip

I packed my **backpack** with all the necessary camping gear for our trip.

## poem

*n.* a piece of writing that emphasizes the expression of feelings and ideas by paying particular attention to diction (sometimes rhyme), rhythm, and imagery

*synonym*: ballad, lyric, verse

(1) a narrative **poem**, (2) **poem** to the dead

A great **poem** is a fountain forever overflowing with the waters of wisdom and delight.

## poetry

*n.* poems in general as a genre of literature

*synonym*: ode, poesy, verse

(1) modern **poetry**, (2) book of **poetry**

Different cultures have different comfortable word rhythms, so the composition of **poetry** varies greatly.

## corpus

*n.* a collection of texts or documents, usually used in research or analysis

*synonym*: collection, body, compilation

(1) **corpus** callous, (2) written **corpus**

The **corpus** of ancient Greek literature includes many famous works.

## intimate

*adj.* having a very close friendship, personal

*synonym*: close, tight, friendly

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

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

## discriminate

*v.* to treat a person or particular group of people worse or better than another, especially in an unfair way; to recognize or perceive the difference between people or things

*synonym* : show prejudice, segregate, differentiate

(1) **discriminate** against women employees,

(2) **discriminate** between different things

You should not **discriminate** against minorities.

## reverse

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

*synonym* : overturn, shift, switch

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

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

## sculpture

n. the art of creating three-dimensional objects or forms, typically by carving, modeling, or casting in a variety of materials such as stone, wood, metal, or clay

*synonym* : statuary, carving, modeling

(1) create **sculpture**, (2) abstract **sculpture**

The ancient Greek **sculptures** are known for their realism and attention to detail.

## creature

n. a living being, especially an animal

*synonym* : being, animal, organism

(1) **creature** of habit, (2) artificial **creature**

The deep sea **creature** was unlike anything the scientists had ever seen before.

## alien

n. a person who comes from a different country, race, or group; a form of life assumed to exist outside the Earth or its atmosphere

*synonym* : foreigner, unfamiliar, unknown

(1) **alien** fungi, (2) resident **aliens**

**Alien** species have drastically altered the ecosystem in this area.

## fulfill

v. to meet the requirements or expectations; to achieve or realize

*synonym* : satisfy, complete, accomplish

(1) **fulfill** a contract, (2) **fulfill** a lifetime dream

It was the first time for her, but she **fulfilled** the role of Priest.

## pioneer

*n.* inventor; explorer; someone who is among the first to achieve something

*synonym*: frontiersperson, innovator, trailblazer

(1) act as a **pioneer**, (2) early **pioneers**

John Whitney was a computer animation **pioneer**.

## crush

*v.* to press it firmly, usually with your hands or a tool, so that it becomes flat or smaller

*synonym*: destroy, demolish, pulverize

(1) **crush** coffee beans, (2) **crush** a revolt

The car was completely **crushed** in the accident.

## extend

*v.* to broaden in scope, range, or area

*synonym*: prolong, lengthen, advance

(1) **extend** the warranty, (2) **extend** a line

Her visit will **extend** from Monday to Friday.

## Session 2: Spelling

- |                                     |   |
|-------------------------------------|---|
| 1. cr____re of habit                | <i>n.</i> a living being, especially an animal  |
| 2. ex____d a line                   | <i>v.</i> to broaden in scope, range, or area   |
| 3. administrative co____on          | <i>n.</i> the state of being mixed up or unclear, or the state of disorder or uncertainty   |
| 4. en____ly satisfied with the meal | <i>adv.</i> completely  |
| 5. su____l number                   | <i>adj.</i> strange and unreal; having an oddly dreamlike quality   |
| 6. a st____d of fine hair           | <i>n.</i> a very thin natural or synthetic thread, wire, hair, etc.; (verb) to leave or drive a vessel, fish, etc., aground or ashore   |
| 7. clinical mic____py               | <i>n.</i> the scientific study of small structures or substances using microscopes, including the anatomical, physiological, and pathological aspects of cells, tissues, and organs |
| 8. buck and d_e                     | <i>n.</i> a mature female of mammals of which the male is called a buck, such as a deer or a rabbit   |
| 9. act as a pi____r                 | <i>n.</i> inventor; explorer; someone who is among the first to achieve something   |
| 10. satellite im____y               | <i>n.</i> the use of words or pictures in books, photographs, paintings, etc., that produces pictures in the minds of people; the ability to form mental images of things or events |

ANSWERS: 1. creature, 2. extend, 3. confusion, 4. entirely, 5. surreal, 6. strand, 7. microscopy, 8. doe, 9. pioneer, 10. imagery

11. a profound in\_\_\_\_\_t      *n.* the ability to gain an accurate and deep understanding of people or situations; an accurate and deep understanding of what something is like
12. break dis\_\_\_\_\_ne      *n.* the practice of training people to obey rules or a code of behavior, using and punishments if these are broken; a region of activity, knowledge, or influence
13. ar\_\_\_\_\_k conservation      *n.* the pieces of art, such as pictures and photographs used in books, magazines, etc.
14. co\_\_\_\_\_st two things      *v.* to put in opposition to show or emphasize differences
15. a dependent va\_\_\_\_\_le      *adj.* likely to change or vary often; (noun) a symbol, like x or y, that is used in mathematical or logical expressions to represent a value that may be changed
16. su\_\_\_\_\_e beforehand      *v.* to think that something is likely to be actual or possible
17. per\_\_\_\_\_on of a stimulus      *n.* a belief, opinion, or image you have based on how you regard, understand, or interpret something; the ability to see, hear, or notice something through the senses
18. new di\_\_\_\_\_on      *n.* a measurable extent of a particular kind, such as width, height, or length
19. a chemical eq\_\_\_\_\_on      *n.* the act of regarding as equal; (mathematics) a statement that expresses the equality of two expressions by connecting them with the equals sign

ANSWERS: 11. insight, 12. discipline, 13. artwork, 14. contrast, 15. variable, 16. suppose, 17. perception, 18. dimension, 19. equation

20. th\_\_\_\_y improving overall health *adv.* as a result; consequence of a particular action or set of conditions
21. way to mi\_\_\_\_ze conflict *v.* to make something, especially something bad, small or less serious
22. cr\_\_\_\_ve writing *adj.* relating to or involving the use of skill and original and unusual ideas to create something
23. co\_\_\_\_t car *n.* an idea or principle associated with something abstract
24. al\_\_\_\_hm for image processing *n.* a set of rules or rigorous instructions typically used to solve a specific problem or to perform a computation
25. a va\_\_\_\_le species *adj.* likely to change or vary often; (noun) a symbol, like x or y, that is used in mathematical or logical expressions to represent a value that may be changed
26. mo\_\_h into something entirely different *v.* to change or cause to change something or someone smoothly and gradually from one thing to another
27. li\_\_\_\_r trend *adj.* of, relating to, or consisting of lines or length; able to be expressed as a straight line, especially on a graph
28. ease of com\_\_\_\_on *n.* the consideration or examination of the similarities between two or more people or things
29. re\_\_\_\_e the order *v.* to change something's direction, order, position, decision, etc., to the opposite one; (adjective) directed or moving toward the rear

ANSWERS: 20. thereby, 21. minimize, 22. creative, 23. concept, 24. algorithm, 25. variable, 26. morph, 27. linear, 28. comparison, 29. reverse

30. animal an\_\_\_\_y *n.* the scientific study that deals with the physical structure of humans, animals, or plants
31. major pa\_\_\_\_\_gm shift *n.* a standard or typical example of something; a pattern or model
32. Pl\_\_\_\_k length *n.* a unit of measurement used in physics to quantify the smallest possible amounts of energy, typically associated with subatomic particles and other quantum phenomena
33. 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
34. sy\_\_\_\_\_is of ammonia *n.* the combination of components or elements to form a more complex whole; the creation of something new through combining parts or elements
35. written co\_\_\_\_s *n.* a collection of texts or documents, usually used in research or analysis
36. sc\_\_e off her attacker by screaming *v.* to frighten a person or animal, or to become frightened
37. modern po\_\_\_\_y *n.* poems in general as a genre of literature
38. cu\_\_c structure *adj.* having the shape of a cube or being of three dimensions; measured in units that are the third power of a linear unit
39. mi\_\_\_\_n measurements *n.* a unit of measurement equal to one-millionth of a meter, used for measuring the size of particles and microorganisms

ANSWERS: 30. anatomy, 31. paradigm, 32. Planck, 33. structure, 34. synthesis, 35. corpus, 36. scare, 37. poetry, 38. cubic, 39. micron

40. an\_\_\_\_y of a country's collapse      *n.* the scientific study that deals with the physical structure of humans, animals, or plants
41. make an in\_\_\_\_\_ce      *n.* a conclusion reached based on evidence and reasoning; a deduction or assumption
42. book of po\_\_\_\_y      *n.* poems in general as a genre of literature
43. artificial cr\_\_\_\_\_re      *n.* a living being, especially an animal
44. a sl\_\_e of the company's revenue      *n.* a flat, often thin, piece of bread, meat, cheese, etc., that has been cut from a larger piece; a wound made by cutting
45. medical ma\_\_\_\_\_na      *n.* a psychoactive drug derived from the Cannabis plant, used for medicinal or recreational purposes; a drug that is illegal in some countries and states but legal in others for specific purposes
46. a com\_\_\_\_\_ed process      *adj.* involving a lot of different things or parts in a way that is difficult to understand or analyze
47. ne\_\_\_\_n cell body      *n.* a cell that is specialized to carry information within the brain and between the brain and other parts of the body
48. op\_\_\_\_\_ze a process      *v.* to make the best or most effective use of something
49. share my in\_\_\_\_\_ts      *n.* the ability to gain an accurate and deep understanding of people or situations; an accurate and deep understanding of what something is like

ANSWERS: 40. anatomy, 41. inference, 42. poetry, 43. creature, 44. slice, 45. marijuana, 46. complicated, 47. neuron, 48. optimize, 49. insight



50. a political rev\_\_\_\_\_on *n.* a large-scale attempt to overthrow the government of a country, often using violence or war;
51. mi\_\_\_\_\_ze a loss *v.* to make something, especially something bad, small or less serious
52. p\_\_e a challenge *v.* to present a risk, problem, or other issues that must be addressed
53. el\_\_\_\_\_fy a manufacturing process *v.* to make a machine or system work by using electricity; to make someone extremely enthusiastic about or interested in something
54. keen per\_\_\_\_\_on *n.* a belief, opinion, or image you have based on how you regard, understand, or interpret something; the ability to see, hear, or notice something through the senses
55. pr\_\_\_\_\_d with caution *v.* to move forward or to continue with a process or action; to advance or progress
56. dis\_\_\_\_\_ate against women employees *v.* to treat a person or particular group of people worse or better than another, especially in an unfair way; to recognize or perceive the difference between people or things
57. exp\_\_\_\_\_nt design *n.* the scientific test conducted to observe what happens and gain new knowledge
58. word ass\_\_\_\_\_ons *n.* a people or groups of people who have joined in a single organization together for a particular purpose; a social or business connection or relationship

ANSWERS: 50. revolution, 51. minimize, 52. pose, 53. electrify, 54. perception, 55. proceed, 56. discriminate, 57. experiment, 58. association

59. mu\_\_\_\_ly about hundredfold      *v.* to add a number to itself a specified number of times; to increase or cause to increase very much in number or quantity
60. cu\_\_c meter      *adj.* having the shape of a cube or being of three dimensions; measured in units that are the third power of a linear unit
61. con\_\_\_\_\_ve holidays      *adj.* following in a sequence or order without interruption or break; occurring one after another
62. heavy ma\_\_\_\_\_ry      *n.* a group of large machines or the components of a machine that make it work; social institution functions or structure for doing something
63. many tr\_\_\_\_\_ons of dollars      *n.* the number 1,000,000,000,000; a million million
64. d\_\_l purpose      *adj.* having two parts, aspects, or elements
65. electron mic\_\_\_\_\_py      *n.* the scientific study of small structures or substances using microscopes, including the anatomical, physiological, and pathological aspects of cells, tissues, and organs
66. a campus dem\_\_\_\_\_ion      *n.* a display or show, often of a particular skill or product, intended to convince or persuade others
67. fa\_\_\_\_\_ul idea      *adj.* characterized by or involving imaginative and unrealistic ideas or concepts; existing or perceived only in the imagination

ANSWERS: 59. multiply, 60. cubic, 61. consecutive, 62. machinery, 63. trillion, 64. dual, 65. microscopy, 66. demonstration, 67. fanciful

68. fa\_\_\_\_ul tale *adj.* characterized by or involving imaginative and unrealistic ideas or concepts; existing or perceived only in the imagination
69. 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
70. an une\_\_\_\_\_ed visitor *adj.* not anticipated or regarded as likely to happen
71. the worst hum\_\_\_\_\_de disaster *adj.* created or produced by humans; artificial
72. cat\_\_\_\_\_ze the image *v.* to put people or things into groups according to their features, types, etc.
73. end at a sy\_\_\_\_\_e *n.* the fact or state of failing to finish an activity and of stopping using, making, or doing it
74. muscular st\_\_\_\_\_th *n.* the quality or state of being physically, or sometimes mentally, strong
75. 3D di\_\_\_\_\_m *n.* a simplified illustration of the appearance, structure, or workings of something
76. sta\_\_\_\_\_cs for cancer *n.* the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data
77. the crosswise di\_\_\_\_\_on *n.* a measurable extent of a particular kind, such as width, height, or length
78. cat\_\_\_\_\_ze the cause of failure *v.* to put people or things into groups according to their features, types, etc.

ANSWERS: 68. fanciful, 69. morphology, 70. unexpected, 71. human-made, 72. categorize, 73. synapse, 74. strength, 75. diagram, 76. statistics, 77. dimension, 78. categorize

79. ce\_\_\_\_ar and molecular biology      *adj.* of or connected with the cells of animals or plants; of or connected with a mobile telephone system that uses several short-range radio stations instead of wires
80. ar\_\_\_\_\_lo burrow      *n.* a mammal with a protective bony armor covering its body, native to the Americas and known for its ability to roll into a ball for defense
81. di\_\_\_\_\_on chief      *n.* the act or outcome of splitting into separate parts; a critical organizational unit or sector
82. double-st\_\_\_d DNA      *n.* a very thin natural or synthetic thread, wire, hair, etc.; (verb) to leave or drive a vessel, fish, etc., aground or ashore
83. th\_\_\_\_\_y-obtained data      *adv.* as a result; consequence of a particular action or set of conditions
84. a br\_\_\_h pipe      *n.* a division of a tree or woody shrub that grows out from the trunk or a main stem; a division of some larger or more complex organization
85. loss of muscle ti\_\_\_e      *n.* an ensemble of similar cells of the animal or plant that together carry out a specific function
86. im\_\_\_\_\_ry pregnancy      *adj.* existing only in someone's mind
87. ob\_\_\_\_\_s reasons      *adj.* easy to see, discover or understand
88. barren of cr\_\_\_\_\_ve spirit      *adj.* relating to or involving the use of skill and original and unusual ideas to create something

ANSWERS: 79. cellular, 80. armadillo, 81. division, 82. strand, 83. thereby, 84. branch, 85. tissue, 86. imaginary, 87. obvious, 88. creative

89. research in\_\_\_\_\_tes *n.* an organization that has a specific purpose, particularly one dealing with science, education, or a particular profession; (verb) to initiate, introduce, or establish something
90. start to hal\_\_\_\_\_te *v.* to experience a seemingly real perception of something that does not actually exist, usually as a result of a mental illness or drug use
91. cell and molecular bi\_\_\_\_\_y *n.* the scientific study of life and the natural processes of living things
92. in\_\_\_\_\_ne wall *n.* a long, tube-like organ in the digestive system that is responsible for absorbing nutrients from food and eliminating waste products
93. fu\_\_\_\_\_l a contract *v.* to meet the requirements or expectations; to achieve or realize
94. a facial ti\_\_\_\_\_e *n.* an ensemble of similar cells of the animal or plant that together carry out a specific function
95. a ce\_\_\_\_\_ar phone handset *adj.* of or connected with the cells of animals or plants; of or connected with a mobile telephone system that uses several short-range radio stations instead of wires
96. degree in ele\_\_\_\_\_al engineering *adj.* relating to electricity
97. an int\_\_\_\_\_nt person *adj.* having the capacity for thought and reason, especially to a high degree
98. id\_\_\_\_\_fy handwriting *v.* to recognize someone or something and say or prove who or what they are

ANSWERS: 89. institute, 90. hallucinate, 91. biology, 92. intestine, 93. fulfill, 94. tissue, 95. cellular, 96. electrical, 97. intelligent, 98. identify

99. visual im\_\_\_\_y *n.* the use of words or pictures in books, photographs, paintings, etc., that produces pictures in the minds of people; the ability to form mental images of things or events
100. es\_\_\_\_\_al commodities of life *adj.* indispensable; fundamental
101. geometric cu\_\_\_m *n.* a 20th-century art movement that emphasizes the formal structure of objects, often breaking them down into geometric shapes and planes and depicting them from multiple angles at once
102. psy\_\_\_\_\_ic art *adj.* relating to or characterized by the use of drugs or the effects that produce altered perceptions, heightened awareness, and vivid imagery; describing art, music, or fashion characterized by bright colors, bold patterns, and unconventional designs
103. re\_\_\_\_\_e the trend *v.* to change something's direction, order, position, decision, etc., to the opposite one; (adjective) directed or moving toward the rear
104. ba\_\_s for calculation *n.* the most important facts, ideas, or events from which something is developed; the way how things are organized or arranged
105. campaign now un\_\_\_\_\_ay *adj.* having started and currently in progress
106. young people no\_\_\_\_\_ys *adv.* at the current time, in comparison to the past

ANSWERS: 99. imagery, 100. essential, 101. cubism, 102. psychedelic, 103. reverse, 104. basis, 105. underway, 106. nowadays

107. re\_\_\_\_\_ze achievement      *v.* to acknowledge or realize something or someone; to identify, remember, or become aware of something that was previously known or encountered
108. a membrane of a mit\_\_\_\_\_ria      *n.* (singular: mitochondrion) an organelle (= a specialized part of a cell) found in large numbers in most cells that produce energy for the cell by breaking down food
109. in\_\_\_\_\_e a lot of paperwork      *v.* to include or affect someone or something as a necessary part of something else
110. v\_\_y directly with the price      *v.* to become different in terms of size, shape, etc.
111. ad\_\_\_\_\_e the technology      *v.* to go or move forward; to develop in a positive way
112. pathogenic ba\_\_\_\_\_ia      *n.* single-celled or noncellular spherical or spiral or rod-shaped organisms that exist in large numbers in the air, water, and soil, and also in living and dead creatures and plants, and are often a cause of disease
113. abstract cu\_\_\_\_\_m      *n.* a 20th-century art movement that emphasizes the formal structure of objects, often breaking them down into geometric shapes and planes and depicting them from multiple angles at once
114. ty\_\_\_\_\_l leader      *adj.* having the usual characteristics or traits of a specific group of things

ANSWERS: 107. recognize, 108. mitochondria, 109. involve, 110. vary, 111. advance, 112. bacteria, 113. cubism, 114. typical

115. evolutionary bi\_\_\_\_y                    *n.*    the scientific study of life and the natural processes of living things
116. 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
117. basic br\_\_n function                *n.*    the organ inside the head that is responsible for one's movement, thought, memory, and feeling
118. sc\_\_e the birds away                *v.*    to frighten a person or animal, or to become frightened
119. 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
120. de\_\_\_e a question                   *v.*    to make up someone's mind about something; to come to a conclusion or judgment after considering options
121. re\_\_\_r the contract void            *v.*    to bring someone or something into a particular state; to provide something such as service, help, etc.
122. get r\_d of the rats                   *v.*    to make someone or something free of unwanted or unpleasant tasks, objects, or person
123. a scientific di\_\_\_\_ry                *n.*    the act or process of finding information, a place, or an object, or learning about something that was previously not known

ANSWERS: 115. biology, 116. process, 117. brain, 118. scare, 119. morphology, 120. decide, 121. render, 122. rid, 123. discovery



124. r\_b a glass window *v.* to move one's hand or an object over the surface of something with pressure
125. a co\_\_\_\_\_nt explanation *adj.* logical and consistent; (noun) the quality of being clear and easy to understand
126. a s\_\_t on his honor *n.* a particular location or place; a small round or roundish area, differing in color or feels from the surface around it
127. pa\_\_\_\_\_er estimation *n.* a numerical or other measurable factors that characterize a system or set of data
128. dis\_\_\_\_\_ate between different things *v.* to treat a person or particular group of people worse or better than another, especially in an unfair way; to recognize or perceive the difference between people or things
129. co\_\_\_\_\_st with a decade ago *v.* to put in opposition to show or emphasize differences
130. in a di\_\_\_\_\_m *n.* a simplified illustration of the appearance, structure, or workings of something
131. logical in\_\_\_\_\_ce *n.* a conclusion reached based on evidence and reasoning; a deduction or assumption
132. ana\_\_\_\_\_al elements *adj.* of or relating to the structure of the body and its parts
133. a theoretical concept in neu\_\_\_\_\_nce *n.* the scientific study of the function, structure, and disorder of the brain and the nervous system
134. field of artificial int\_\_\_\_\_nce *n.* the ability to learn, comprehend, or make judgments or conclusions based on reasons

ANSWERS: 124. rub, 125. coherent, 126. spot, 127. parameter, 128. discriminate, 129. contrast, 130. diagram, 131. inference, 132. anatomical, 133. neuroscience, 134. intelligence

135. become increasingly com\_\_\_\_\_ed     *adj.* involving a lot of different things or parts in a way that is difficult to understand or analyze
136. 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
137. mi\_\_\_\_\_n imaging     *n.* a unit of measurement equal to one-millionth of a meter, used for measuring the size of particles and microorganisms
138. the great di\_\_\_\_\_ry of the century     *n.* the act or process of finding information, a place, or an object, or learning about something that was previously not known
139. am\_\_\_\_\_us situation     *adj.* open to more than one interpretation; not clear or decided
140. provide su\_\_\_\_\_or customer service     *adj.* better, higher in quality, or more advanced than others
141. re\_\_\_\_\_a scanner     *n.* the innermost light-sensitive membrane covering the back wall of the eyeball
142. hi\_\_\_\_\_ic accomplishment     *adj.* famous or significant in history, or potentially so
143. Pl\_\_\_\_\_k mass     *n.* a unit of measurement used in physics to quantify the smallest possible amounts of energy, typically associated with subatomic particles and other quantum phenomena
144. an ele\_\_\_\_\_al storm     *adj.* relating to electricity

ANSWERS: 135. complicated, 136. circuit, 137. micron, 138. discovery, 139. ambiguous, 140. superior, 141. retina, 142. historic, 143. Planck, 144. electrical

145. fairly ty\_\_\_\_\_l symptoms *adj.* having the usual characteristics or traits of a specific group of things
146. col\_\_\_\_\_te on a press release *v.* to work with someone else to produce or achieve something
147. create a co\_\_\_\_\_nt system *adj.* logical and consistent; (noun) the quality of being clear and easy to understand
148. re\_\_\_\_\_on between cause and effect *n.* the way two persons or groups of people feel and act toward one another
149. id\_\_\_\_\_fy gene sequences *v.* to recognize someone or something and say or prove who or what they are
150. parallel com\_\_\_\_\_on *n.* the act or process of calculating something, especially an answer or amount, by using a machine or calculator
151. sup\_\_\_\_\_al knowledge *adj.* existing or occurring only at or on the surface; appearing to be true or real only until examined more closely
152. standard pr\_\_\_\_\_re *n.* a way of doing something, especially the official or well-known way
153. ca\_\_\_\_\_e connection *n.* a small waterfall or series of small waterfalls; a succession of stages or operations or processes or units
154. in\_\_\_\_\_te relationship *adj.* having a very close friendship, personal
155. theory of com\_\_\_\_\_on *n.* the act or process of calculating something, especially an answer or amount, by using a machine or calculator

ANSWERS: 145. typical, 146. collaborate, 147. coherent, 148. relation, 149. identify, 150. computation, 151. superficial, 152. procedure, 153. cascade, 154. intimate, 155. computation

156. his conclusion was ob\_\_\_\_s      *adj.* easy to see, discover or understand
157. di\_\_\_\_er of an oval      *n.* the length of a straight line passing through the center of a circle and connecting two points on the circumference
158. for the s\_\_e of argument      *n.* purpose; reason for wanting something done
159. neurons in the hip\_\_\_\_us      *n.* a major component of the brain of humans and other vertebrates that is part of the limbic system and is vital for memory
160. rec\_\_\_\_\_ion aid      *n.* the process of rebuilding or repairing something that has been damaged or destroyed or of restoring something to its original condition
161. pe\_\_\_\_ve light      *v.* to become aware or conscious of something through the senses
162. for your own s\_\_e      *n.* purpose; reason for wanting something done
163. field of vi\_\_\_l arts      *adj.* relating to seeing or sight
164. su\_\_\_\_s imagination      *v.* to be or do better than someone or something; to excel or go beyond the limits or standards of something
165. sup\_\_\_\_\_al wound      *adj.* existing or occurring only at or on the surface; appearing to be true or real only until examined more closely
166. am\_\_\_\_g advances      *adj.* extremely surprising, especially in a way that you like or admire

ANSWERS: 156. obvious, 157. diameter, 158. sake, 159. hippocampus, 160. reconstruction, 161. perceive, 162. sake, 163. visual, 164. surpass, 165. superficial, 166. amazing

167. the s\_\_n of a bird's wings      *n.* the entire length of something, such as time or space from beginning to end; the amount of space that something covers
168. a beautiful st\_\_\_e      *n.* a sculpture of a person or animal, typically made of stone or metal, that is intended to represent the subject in a lifelike or symbolic way
169. musical fu\_\_e      *n.* a musical composition characterized by a theme that is introduced in one voice or part and then imitated or echoed by other voices or parts, typically in a complex and contrapuntal manner; a rare psychiatric disorder characterized by reversible amnesia for personal identity
170. renowned sc\_\_\_\_\_or      *n.* an artist who creates sculptures, three-dimensional objects, or forms
171. co\_\_\_\_\_e an average score      *v.* to make a mathematical calculation
172. op\_\_\_\_\_ze control for cooling      *v.* to make the best or most effective use of something
173. su\_\_\_\_\_or performance      *adj.* better, higher in quality, or more advanced than others
174. ne\_\_\_l stem cells      *adj.* of or relating to a nerve or the nervous system that includes the brain
175. re\_\_\_r an assessment      *v.* to bring someone or something into a particular state; to provide something such as service, help, etc.
176. a good grounding in mat\_\_\_\_\_cs      *n.* the science dealing with the logic of quantities, shapes, spaces, and arrangement

ANSWERS: 167. span, 168. statue, 169. fugue, 170. sculptor, 171. compute, 172. optimize, 173. superior, 174. neural, 175. render, 176. mathematics

177. pen\_\_\_\_\_ng gaze *adj.* able to pierce or enter deeply into something; having a sharp, intense quality that cuts through superficiality or confusion
178. permanent br\_\_n damage *n.* the organ inside the head that is responsible for one's movement, thought, memory, and feeling
179. just getting un\_\_\_\_\_ay *adj.* having started and currently in progress
180. pen\_\_\_\_\_ng analysis *adj.* able to pierce or enter deeply into something; having a sharp, intense quality that cuts through superficiality or confusion
181. re\_\_\_\_\_on of inclusion *n.* the way two persons or groups of people feel and act toward one another
182. su\_\_\_\_\_e you're right *v.* to think that something is likely to be actual or possible
183. some une\_\_\_\_\_ed events *adj.* not anticipated or regarded as likely to happen
184. in\_\_\_\_\_e a high degree of risk *v.* to include or affect someone or something as a necessary part of something else
185. p\_\_o shirt *n.* a sport played on horseback in which two teams try to hit a ball through a goal using long-handled mallets
186. pe\_\_\_\_\_ve a threat *v.* to become aware or conscious of something through the senses
187. an in\_\_\_\_\_l letter *adj.* of or happening at the beginning; (noun) the first letter of a word, especially a person's name

ANSWERS: 177. penetrating, 178. brain, 179. underway, 180. penetrating, 181. relation, 182. suppose, 183. unexpected, 184. involve, 185. polo, 186. perceive, 187. initial

188. the ancient Egyptian st\_\_\_es      *n.* a sculpture of a person or animal, typically made of stone or metal, that is intended to represent the subject in a lifelike or symbolic way
189. free from am\_\_\_\_\_ty      *n.* the quality of being open to more than one interpretation; the uncertainty of meaning
190. d\_\_l nationality      *adj.* having two parts, aspects, or elements
191. create sc\_\_\_\_\_re      *n.* the art of creating three-dimensional objects or forms, typically by carving, modeling, or casting in a variety of materials such as stone, wood, metal, or clay
192. r\_b shoulders      *v.* to move one's hand or an object over the surface of something with pressure
193. pro\_\_\_\_\_on of civilization      *n.* the act or process of changing to the next stage or phase or moving forward
194. f\_\_p over the pork chop      *v.* to turn over into a different position quickly; to throw or toss with a light motion
195. transistor ca\_\_\_\_\_e      *n.* a small waterfall or series of small waterfalls; a succession of stages or operations or processes or units
196. re\_\_\_\_\_ve factors      *adj.* considered and evaluated through comparison with something else
197. clarify am\_\_\_\_\_us points      *adj.* open to more than one interpretation; not clear or decided
198. ba\_\_\_\_\_cking trip      *n.* a bag or pack that is worn on the back, often used for carrying books, equipment, or supplies

ANSWERS: 188. statue, 189. ambiguity, 190. dual, 191. sculpture, 192. rub, 193. progression, 194. flip, 195. cascade, 196. relative, 197. ambiguous, 198. backpack

199. my in\_\_\_\_\_te affairs *adj.* having a very close friendship, personal
200. sh\_\_\_\_p farming *n.* a small, freshwater or saltwater creature with a slender body and long legs
201. rem\_\_\_\_\_nt smile *adj.* making you remember someone or something; relating to the recall of personal interests
202. involvement of the hip\_\_\_\_\_us *n.* a major component of the brain of humans and other vertebrates that is part of the limbic system and is vital for memory
203. a binomial fo\_\_\_\_\_a *n.* a group of symbols, letters, or numbers that represent a rule, law, or mathematical statement
204. a scholarship ass\_\_\_\_\_on *n.* a people or groups of people who have joined in a single organization together for a particular purpose; a social or business connection or relationship
205. the characters that re\_\_\_\_\_nt numbers *v.* to speak, act, or be present on behalf of another person or group; to form or constitute
206. ex\_\_\_\_d the warranty *v.* to broaden in scope, range, or area
207. social di\_\_\_\_\_ce *n.* the amount of space between two points, measured in units such as miles, meters, or kilometers; the extent, scope, or range between two things, such as distance or emotional distance
208. make a str\_\_\_\_\_ard dash *adj.* easy to do or understand, or simple; free from ambiguity

ANSWERS: 199. intimate, 200. shrimp, 201. reminiscent, 202. hippocampus, 203. formula, 204. association, 205. represent, 206. extend, 207. distance, 208. straightforward



209. el\_\_\_\_\_fy the audience      *v.* to make a machine or system work by using electricity; to make someone extremely enthusiastic about or interested in something
210. sy\_\_\_\_\_e circuit      *n.* the fact or state of failing to finish an activity and of stopping using, making, or doing it
211. al\_\_n fungi      *n.* a person who comes from a different country, race, or group; a form of life assumed to exist outside the Earth or its atmosphere
212. become ess\_\_\_\_\_ly same      *adv.* relating to the essential features or concepts of anything
213. a li\_\_\_\_r equation      *adj.* of, relating to, or consisting of lines or length; able to be expressed as a straight line, especially on a graph
214. in\_\_\_\_\_l velocity      *adj.* of or happening at the beginning; (noun) the first letter of a word, especially a person's name
215. a narrative p\_\_m      *n.* a piece of writing that emphasizes the expression of feelings and ideas by paying particular attention to diction (sometimes rhyme), rhythm, and imagery
216. ind\_\_\_\_\_al freedom      *n.* a single person or thing, as distinct from a group
217. a remote re\_\_\_\_\_ve      *adj.* considered and evaluated through comparison with something else
218. im\_\_\_\_\_ry number      *adj.* existing only in someone's mind

ANSWERS: 209. electrify, 210. synapse, 211. alien, 212. essentially, 213. linear, 214. initial, 215. poem, 216. individual, 217. relative, 218. imaginary

219. gl\_\_s over my mistake *n.* a smooth and shiny surface on a material, often achieved through the application of a coating or finish; a brief or superficial explanation or description, often used to make something seem better or more attractive than it actually is; (verb) to make something appear better or more positive than it really is, often by using vague or misleading language
220. the branch of neu\_\_\_\_\_nce *n.* the scientific study of the function, structure, and disorder of the brain and the nervous system
221. linear app\_\_\_\_\_te equation *adj.* nearly accurate or correct, but not completely so
222. app\_\_\_\_\_te time *adj.* nearly accurate or correct, but not completely so
223. mu\_\_\_\_\_ly 5 and 6 *v.* to add a number to itself a specified number of times; to increase or cause to increase very much in number or quantity
224. dis\_\_\_\_\_sh these two things *v.* to notice or understand the difference between two people or things
225. tracking de\_\_\_e *n.* a piece of equipment, tool, or technology that serves a particular purpose or function, often mechanical or electronic
226. common in\_\_\_\_\_on *n.* the creation of a new device or process resulting from study and experimentation; the act of inventing

ANSWERS: 219. gloss, 220. neuroscience, 221. approximate, 222. approximate, 223. multiply, 224. distinguish, 225. device, 226. invention

227. in\_\_\_\_e matrix *adj.* opposite in order, nature, or effect; reversed; reciprocal
228. in great co\_\_\_\_\_on *n.* the state of being mixed up or unclear, or the state of disorder or uncertainty
229. cr\_\_h coffee beans *v.* to press it firmly, usually with your hands or a tool, so that it becomes flat or smaller
230. grape ar\_\_r *n.* a shady place or a shelter formed by trees, vines, or climbing plants; a lattice framework or trellis that supports climbing plants; a seating area or shelter made of woven branches or vines; (of medicine, also "arbor vitae") the white matter of the cerebellum in the brain
231. beauty s\_\_t *n.* a particular location or place; a small round or roundish area, differing in color or feels from the surface around it
232. ba\_\_\_\_\_cker's hostel *n.* a bag or pack that is worn on the back, often used for carrying books, equipment, or supplies
233. abstract sc\_\_\_\_\_re *n.* the art of creating three-dimensional objects or forms, typically by carving, modeling, or casting in a variety of materials such as stone, wood, metal, or clay
234. rec\_\_\_\_\_ct an image *v.* to build or form something again that has been damaged or destroyed
235. co\_\_x cells *n.* the outermost layer of an organ, especially the brain

ANSWERS: 227. inverse, 228. confusion, 229. crush, 230. arbor, 231. spot, 232. backpack, 233. sculpture, 234. reconstruct, 235. cortex

236. sh\_\_\_p cocktail *n.* a small, freshwater or saltwater creature with a slender body and long legs
237. co\_\_\_\_\_in his freedom *v.* to restrict or limit someone or something's freedom or ability to do something
238. v\_\_y according to the age *v.* to become different in terms of size, shape, etc.
239. mat\_\_\_\_\_cs competition *n.* the science dealing with the logic of quantities, shapes, spaces, and arrangement
240. co\_\_\_\_\_e the value *v.* to make a mathematical calculation
241. beginning of the industrial rev\_\_\_\_\_on *n.* a large-scale attempt to overthrow the government of a country, often using violence or war;
242. large in\_\_\_\_\_ne *n.* a long, tube-like organ in the digestive system that is responsible for absorbing nutrients from food and eliminating waste products
243. sl\_\_e a tomato thin *n.* a flat, often thin, piece of bread, meat, cheese, etc., that has been cut from a larger piece; a wound made by cutting
244. st\_\_\_\_\_th of the economy *n.* the quality or state of being physically, or sometimes mentally, strong
245. first design sk\_\_\_hes *n.* a simple, quickly-made picture that does not have many details; a short descriptive summary of something
246. str\_\_\_\_\_ard manner *adj.* easy to do or understand, or simple; free from ambiguity

ANSWERS: 236. shrimp, 237. constrain, 238. vary, 239. mathematics, 240. compute, 241. revolution, 242. intestine, 243. slice, 244. strength, 245. sketch, 246. straightforward

247. p\_\_m to the dead *n.* a piece of writing that emphasizes the expression of feelings and ideas by paying particular attention to diction (sometimes rhyme), rhythm, and imagery
248. undergo a surgical pr\_\_\_\_\_re *n.* a way of doing something, especially the official or well-known way
249. 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
250. pre\_\_\_\_\_on to authority *n.* the act of claiming or asserting something, especially without good reason or without evidence; an unfounded or excessive claim or ambition
251. de\_\_\_\_\_p a skill *v.* to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created
252. co\_\_\_\_\_in information flow *v.* to restrict or limit someone or something's freedom or ability to do something
253. mo\_\_h into a different shape *v.* to change or cause to change something or someone smoothly and gradually from one thing to another

ANSWERS: 247. poem, 248. procedure, 249. process, 250. pretension, 251. develop, 252. constrain, 253. morph

254. ma\_\_\_\_\_m limit *adj.* the largest or greatest amount or value attainable or attained
255. gl\_\_s of politeness *n.* a smooth and shiny surface on a material, often achieved through the application of a coating or finish; a brief or superficial explanation or description, often used to make something seem better or more attractive than it actually is; (verb) to make something appear better or more positive than it really is, often by using vague or misleading language
256. psy\_\_\_\_\_ic therapy *adj.* relating to or characterized by the use of drugs or the effects that produce altered perceptions, heightened awareness, and vivid imagery; describing art, music, or fashion characterized by bright colors, bold patterns, and unconventional designs
257. electronic de\_\_\_e *n.* a piece of equipment, tool, or technology that serves a particular purpose or function, often mechanical or electronic
258. at inc\_\_\_\_\_le speed *adj.* unbelievable; enormous
259. an int\_\_\_\_\_nce test *n.* the ability to learn, comprehend, or make judgments or conclusions based on reasons
260. ess\_\_\_\_\_ly correct *adv.* relating to the essential features or concepts of anything
261. di\_\_\_e money equally *v.* to separate or cause to separate into parts or groups

ANSWERS: 254. maximum, 255. gloss, 256. psychedelic, 257. device, 258. incredible, 259. intelligence, 260. essentially, 261. divide

262. p\_\_o championship *n.* a sport played on horseback in which two teams try to hit a ball through a goal using long-handled mallets
263. blank ca\_\_\_s *n.* the heavy, closely woven fabric used for making tents, sails, etc. and by artists for painting on
264. protein sy\_\_\_\_\_is inhibitor *n.* the combination of components or elements to form a more complex whole; the creation of something new through combining parts or elements
265. a penciled sk\_\_\_h *n.* a simple, quickly-made picture that does not have many details; a short descriptive summary of something
266. dem\_\_\_\_\_ion project *n.* a display or show, often of a particular skill or product, intended to convince or persuade others
267. cultural pa\_\_\_\_\_gm *n.* a standard or typical example of something; a pattern or model
268. bl\_\_k paper *adj.* without any writing or printing; empty or devoid of ideas, information, or meaning; unable to remember or recall information
269. dis\_\_\_\_\_sh man from the other animals *v.* to notice or understand the difference between two people or things
270. recreational ma\_\_\_\_\_na *n.* a psychoactive drug derived from the Cannabis plant, used for medicinal or recreational purposes; a drug that is illegal in some countries and states but legal in others for specific purposes

ANSWERS: 262. polo, 263. canvas, 264. synthesis, 265. sketch, 266. demonstration, 267. paradigm, 268. blank, 269. distinguish, 270. marijuana

271. tr\_\_\_\_\_on cubic feet *n.* the number 1,000,000,000,000; a million million
272. ana\_\_\_\_\_al structure *adj.* of or relating to the structure of the body and its parts
273. ar\_\_\_\_\_lo shell *n.* a mammal with a protective bony armor covering its body, native to the Americas and known for its ability to roll into a ball for defense
274. hum\_\_\_\_\_de climate change *adj.* created or produced by humans; artificial
275. ancient ar\_\_\_\_\_k *n.* the pieces of art, such as pictures and photographs used in books, magazines, etc.
276. ne\_\_\_\_l networks in AI *adj.* of or relating to a nerve or the nervous system that includes the brain
277. driving di\_\_\_\_\_ce *n.* the amount of space between two points, measured in units such as miles, meters, or kilometers; the extent, scope, or range between two things, such as distance or emotional distance
278. sc\_\_\_\_\_or studio *n.* an artist who creates sculptures, three-dimensional objects, or forms
279. in\_\_\_\_\_te a lawsuit *n.* an organization that has a specific purpose, particularly one dealing with science, education, or a particular profession; (verb) to initiate, introduce, or establish something
280. the in\_\_\_\_\_on of new techniques *n.* the creation of a new device or process resulting from study and experimentation; the act of inventing

ANSWERS: 271. trillion, 272. anatomical, 273. armadillo, 274. human-made, 275. artwork, 276. neural, 277. distance, 278. sculptor, 279. institute, 280. invention



281. f\_\_p a coin *v.* to turn over into a different position quickly; to throw or toss with a light motion
282. excite the ne\_\_\_ns *n.* a cell that is specialized to carry information within the brain and between the brain and other parts of the body
283. on an equal ba\_\_s *n.* the most important facts, ideas, or events from which something is developed; the way how things are organized or arranged
284. pro\_\_\_\_\_on of disease *n.* the act or process of changing to the next stage or phase or moving forward
285. cr\_\_y about cars and racing *adj.* stupid or not sensible; very angry
286. cellular di\_\_\_\_\_on *n.* the act or outcome of splitting into separate parts; a critical organizational unit or sector
287. structural fo\_\_\_\_\_a *n.* a group of symbols, letters, or numbers that represent a rule, law, or mathematical statement
288. the eq\_\_\_\_\_on of poverty with ignorance *n.* the act of regarding as equal; (mathematics) a statement that expresses the equality of two expressions by connecting them with the equals sign
289. cr\_\_h a revolt *v.* to press it firmly, usually with your hands or a tool, so that it becomes flat or smaller
290. strong in al\_\_\_\_\_a *n.* a type of mathematics in which signs and letters represent numbers

ANSWERS: 281. flip, 282. neuron, 283. basis, 284. progression, 285. crazy, 286. division, 287. formula, 288. equation, 289. crush, 290. algebra

291. d_e rabbit	<i>n.</i> a mature female of mammals of which the male is called a buck, such as a deer or a rabbit
292. rem_____nt of ancient times	<i>adj.</i> making you remember someone or something; relating to the recall of personal interests
293. vi___l navigation	<i>adj.</i> relating to seeing or sight
294. st__n the carpet	<i>v.</i> to discolor, defile, or tarnish something; (noun) a discoloration or dirty mark on a surface that is difficult to remove
295. the ma_____m speed	<i>adj.</i> the largest or greatest amount or value attainable or attained
296. a military pa___e	<i>n.</i> a public procession, especially one celebrating a special day or event
297. early pi_____rs	<i>n.</i> inventor; explorer; someone who is among the first to achieve something
298. pa_____er tuning	<i>n.</i> a numerical or other measurable factors that characterize a system or set of data
299. fu_____l a lifetime dream	<i>v.</i> to meet the requirements or expectations; to achieve or realize
300. co___s callous	<i>n.</i> a collection of texts or documents, usually used in research or analysis
301. learn new co_____ts	<i>n.</i> an idea or principle associated with something abstract
302. official sta_____cs	<i>n.</i> the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data
303. su_____s \$20 billion in sales	<i>v.</i> to be or do better than someone or something; to excel or go beyond the limits or standards of something

ANSWERS: 291. doe, 292. reminiscent, 293. visual, 294. stain, 295. maximum, 296. parade, 297. pioneer, 298. parameter, 299. fulfill, 300. corpus, 301. concept, 302. statistics, 303. surpass

304. di\_\_\_e the cake into two pieces      *v.* to separate or cause to separate into parts or groups
305. achieve the hi\_\_\_\_ic feat      *adj.* famous or significant in history, or potentially so
306. healthy mit\_\_\_\_ria      *n.* (singular: mitochondrion) an organelle (= a specialized part of a cell) found in large numbers in most cells that produce energy for the cell by breaking down food
307. es\_\_\_\_al amino acid      *adj.* indispensable; fundamental
308. re\_\_\_al cells      *n.* the innermost light-sensitive membrane covering the back wall of the eyeball
309. pa\_\_\_e route      *n.* a public procession, especially one celebrating a special day or event
310. no\_\_\_l effect      *n.* an extended fictional work in prose; usually in the form of a story; (adjective) original and of a kind not seen before
311. com\_\_\_\_on of foods on a caloric basis      *n.* the consideration or examination of the similarities between two or more people or things
312. ar\_\_\_r vitae      *n.* a shady place or a shelter formed by trees, vines, or climbing plants; a lattice framework or trellis that supports climbing plants; a seating area or shelter made of woven branches or vines; (of medicine, also "arbor vitae") the white matter of the cerebellum in the brain
313. beam of el\_\_\_\_ons      *n.* a tiny particle with the negative electrical charge

ANSWERS: 304. divide, 305. historic, 306. mitochondria, 307. essential, 308. retina, 309. parade, 310. novel, 311. comparison, 312. arbor, 313. electron

314. the most am\_\_\_\_\_g feeling *adj.* extremely surprising, especially in a way that you like or admire
315. harmless ba\_\_\_\_\_ia *n.* single-celled or noncellular spherical or spiral or rod-shaped organisms that exist in large numbers in the air, water, and soil, and also in living and dead creatures and plants, and are often a cause of disease
316. baseless pre\_\_\_\_\_on *n.* the act of claiming or asserting something, especially without good reason or without evidence; an unfounded or excessive claim or ambition
317. r\_d the body of waste products *v.* to make someone or something free of unwanted or unpleasant tasks, objects, or person
318. the average life s\_\_n *n.* the entire length of something, such as time or space from beginning to end; the amount of space that something covers
319. col\_\_\_\_\_te with the police *v.* to work with someone else to produce or achieve something
320. ad\_\_\_\_\_e a cooperative relationship *v.* to go or move forward; to develop in a positive way
321. suffer con\_\_\_\_\_ve defeats *adj.* following in a sequence or order without interruption or break; occurring one after another
322. bl\_\_k expression *adj.* without any writing or printing; empty or devoid of ideas, information, or meaning; unable to remember or recall information

ANSWERS: 314. amazing, 315. bacteria, 316. pretension, 317. rid, 318. span, 319. collaborate, 320. advance, 321. consecutive, 322. blank

323. red wine st__n	<i>v.</i> to discolor, defile, or tarnish something; (noun) a discoloration or dirty mark on a surface that is difficult to remove
324. visual co___x neuron	<i>n.</i> the outermost layer of an organ, especially the brain
325. historical no__l	<i>n.</i> an extended fictional work in prose; usually in the form of a story; (adjective) original and of a kind not seen before
326. ci_____t breaker	<i>n.</i> (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
327. not to be seen no_____ys	<i>adv.</i> at the current time, in comparison to the past
328. br___h office	<i>n.</i> a division of a tree or woody shrub that grows out from the trunk or a main stem; a division of some larger or more complex organization
329. inc_____le amount	<i>adj.</i> unbelievable; enormous
330. al_____a calculation	<i>n.</i> a type of mathematics in which signs and letters represent numbers
331. hal_____te with drug	<i>v.</i> to experience a seemingly real perception of something that does not actually exist, usually as a result of a mental illness or drug use
332. se___l killer	<i>adj.</i> consisting of or occurring in a series or sequence; relating to or involving a series or sequence of events, stories, or incidents

ANSWERS: 323. stain, 324. cortex, 325. novel, 326. circuit, 327. nowadays, 328. branch, 329. incredible, 330. algebra, 331. hallucinate, 332. serial

333. pi\_\_l density *n.* the smallest unit of an image that can be displayed or manipulated electronically, typically a point of light on a computer screen or in a digital image
334. he was en\_\_\_\_\_ly to blame *adv.* completely
335. flow of el\_\_\_\_\_ons *n.* a tiny particle with the negative electrical charge
336. de\_\_\_\_\_p a strategy *v.* to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created
337. su\_\_\_\_\_l art *adj.* strange and unreal; having an oddly dreamlike quality
338. z\_\_m lens *v.* to move along very quickly; (noun) the act of rising upward into the air
339. inactive ma\_\_\_\_\_ry *n.* a group of large machines or the components of a machine that make it work; social institution functions or structure for doing something
340. rec\_\_\_\_\_ct the original text *v.* to build or form something again that has been damaged or destroyed
341. re\_\_\_\_\_ze talent *v.* to acknowledge or realize something or someone; to identify, remember, or become aware of something that was previously known or encountered
342. re\_\_\_\_\_nt by a diagram *v.* to speak, act, or be present on behalf of another person or group; to form or constitute

ANSWERS: 333. pixel, 334. entirely, 335. electron, 336. develop, 337. surreal, 338. zoom, 339. machinery, 340. reconstruct, 341. recognize, 342. represent

343. rigid dis\_\_\_\_\_ne *n.* the practice of training people to obey rules or a code of behavior, using and punishments if these are broken; a region of activity, knowledge, or influence
344. in\_\_\_\_\_e function *adj.* opposite in order, nature, or effect; reversed; reciprocal
345. oil on ca\_\_\_\_\_s *n.* the heavy, closely woven fabric used for making tents, sails, etc. and by artists for painting on
346. color pi\_\_ls *n.* the smallest unit of an image that can be displayed or manipulated electronically, typically a point of light on a computer screen or in a digital image
347. a cr\_\_y scheme *adj.* stupid or not sensible; very angry
348. avoid am\_\_\_\_\_ty in writing *n.* the quality of being open to more than one interpretation; the uncertainty of meaning
349. series of exp\_\_\_\_\_nts *n.* the scientific test conducted to observe what happens and gain new knowledge
350. de\_\_\_\_\_e on a course of action *v.* to make up someone's mind about something; to come to a conclusion or judgment after considering options
351. the st\_\_\_\_\_re of a machine *n.* the way of construction of something and the arrangement of its parts, or a complex thing constructed of many parts
352. pr\_\_\_\_\_d to the next step *v.* to move forward or to continue with a process or action; to advance or progress

ANSWERS: 343. discipline, 344. inverse, 345. canvas, 346. pixel, 347. crazy, 348. ambiguity, 349. experiment, 350. decide, 351. structure, 352. proceed

353. a civil en\_\_\_\_er *n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software
354. dissociative fu\_\_e *n.* a musical composition characterized by a theme that is introduced in one voice or part and then imitated or echoed by other voices or parts, typically in a complex and contrapuntal manner; a rare psychiatric disorder characterized by reversible amnesia for personal identity
355. z\_\_m in on a photo *v.* to move along very quickly; (noun) the act of rising upward into the air
356. int\_\_\_\_nt assisting system *adj.* having the capacity for thought and reason, especially to a high degree
357. p\_\_e a significant threat to my company *v.* to present a risk, problem, or other issues that must be addressed
358. the RSA al\_\_\_\_hm *n.* a set of rules or rigorous instructions typically used to solve a specific problem or to perform a computation
359. en\_\_\_\_er shortage *n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software
360. resident al\_\_ns *n.* a person who comes from a different country, race, or group; a form of life assumed to exist outside the Earth or its atmosphere
361. se\_\_\_l number *adj.* consisting of or occurring in a series or sequence; relating to or involving a series or sequence of events, stories, or incidents

ANSWERS: 353. engineer, 354. fugue, 355. zoom, 356. intelligent, 357. pose, 358. algorithm, 359. engineer, 360. alien, 361. serial



362. a particle di\_\_\_\_\_er

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

363. a private ind\_\_\_\_\_al

*n.* a single person or thing, as distinct from a group

ANSWERS: 362. diameter, 363. individual

## Session 3: Fill in the Blanks

1. We can evaluate the performance of an \_\_\_\_\_ in terms of computation time.
  - n.* a set of rules or rigorous instructions typically used to solve a specific problem or to perform a computation
  
2. His writing was well-structured and \_\_\_\_\_.
  - adj.* logical and consistent; (noun) the quality of being clear and easy to understand
  
3. A great \_\_\_\_\_ is a fountain forever overflowing with the waters of wisdom and delight.
  - n.* a piece of writing that emphasizes the expression of feelings and ideas by paying particular attention to diction (sometimes rhyme), rhythm, and imagery
  
4. The chemicals \_\_\_\_\_ a massive health risk.
  - v.* to present a risk, problem, or other issues that must be addressed
  
5. The \_\_\_\_\_ relationship between price and demand is well-known in economics.
  - adj.* opposite in order, nature, or effect; reversed; reciprocal
  
6. Which \_\_\_\_\_ of the company do you work in?
  - n.* the act or outcome of splitting into separate parts; a critical organizational unit or sector
  
7. The computer screen comprises thousands of tiny \_\_\_\_\_ that create the overall picture.
  - n.* the smallest unit of an image that can be displayed or manipulated electronically, typically a point of light on a computer screen or in a digital image

ANSWERS: 1. algorithm, 2. coherent, 3. poem, 4. pose, 5. inverse, 6. division, 7. pixels

8. Australia is widely \_\_\_\_\_ as having low levels of corruption.  
*v.* to become aware or conscious of something through the senses
9. The government announced a plan for the \_\_\_\_\_ of the city's infrastructure.  
*n.* the process of rebuilding or repairing something that has been damaged or destroyed or of restoring something to its original condition
10. He has an \_\_\_\_\_ knowledge of American history.  
*adj.* having a very close friendship, personal
11. I tried to \_\_\_\_\_ the efficiency of the investment.  
*v.* to make a mathematical calculation
12. You should not \_\_\_\_\_ against minorities.  
*v.* to treat a person or particular group of people worse or better than another, especially in an unfair way; to recognize or perceive the difference between people or things
13. The teacher told the students to memorize the math \_\_\_\_\_.  
*n.* a group of symbols, letters, or numbers that represent a rule, law, or mathematical statement
14. I always carry a backup \_\_\_\_\_ in case my phone runs out of battery.  
*n.* a piece of equipment, tool, or technology that serves a particular purpose or function, often mechanical or electronic
15. He is drawing a \_\_\_\_\_ illustrating how the equipment operates.  
*n.* a simplified illustration of the appearance, structure, or workings of something

ANSWERS: 8. perceived, 9. reconstruction, 10. intimate, 11. compute, 12. discriminate, 13. formula, 14. device, 15. diagram

16. Rainfall in the tropics is highly \_\_\_\_\_.

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

17. The pilot and flight attendant ran through the check-out \_\_\_\_\_.

*n.* a way of doing something, especially the official or well-known way

18. He quickly learned the military \_\_\_\_\_.

*n.* the practice of training people to obey rules or a code of behavior, using and punishments if these are broken; a region of activity, knowledge, or influence

19. \_\_\_\_\_ a society is an organism.

*adv.* relating to the essential features or concepts of anything

20. Different cultures have different comfortable word rhythms, so the composition of \_\_\_\_\_ varies greatly.

*n.* poems in general as a genre of literature

21. The chemical \_\_\_\_\_ of the new drug was a breakthrough in medical research.

*n.* the combination of components or elements to form a more complex whole; the creation of something new through combining parts or elements

22. The \_\_\_\_\_ of the famous hero stood proudly in the town square.

*n.* a sculpture of a person or animal, typically made of stone or metal, that is intended to represent the subject in a lifelike or symbolic way

23. Life is a vast \_\_\_\_\_ you should put as much paint on it as possible.

*n.* the heavy, closely woven fabric used for making tents, sails, etc. and by artists for painting on

ANSWERS: 16. variable, 17. procedure, 18. discipline, 19. Essentially, 20. poetry, 21. synthesis, 22. statue, 23. canvas;

24. He \_\_\_\_\_ back in time to the soccer game.

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

25. He did \_\_\_\_\_ pen-and-ink drawings in just a few days.

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

26. The \_\_\_\_\_ of audit formally issued a business improvement order.

*n.* a group of large machines or the components of a machine that make it work; social institution functions or structure for doing something

27. Actuators convert \_\_\_\_\_ pulses into motion.

*adj.* relating to electricity

28. The symphony orchestra performed a complex \_\_\_\_\_ showcasing their skill and precision.

*n.* a musical composition characterized by a theme that is introduced in one voice or part and then imitated or echoed by other voices or parts, typically in a complex and contrapuntal manner; a rare psychiatric disorder characterized by reversible amnesia for personal identity

29. She couldn't \_\_\_\_\_ whether to order the pizza or the pasta for dinner.

*v.* to make up someone's mind about something; to come to a conclusion or judgment after considering options

30. There was a disturbance of \_\_\_\_\_ function.

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

31. In this class, you will learn how to solve quadratic \_\_\_\_\_.

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

ANSWERS: 24. zoomed, 25. complicated, 26. machinery, 27. electrical, 28. fugue, 29. decide, 30. neural, 31. equations

32. He slightly modified the \_\_\_\_\_ of training because it was just before a match.  
*n.* the entire length of something, such as time or space from beginning to end; the amount of space that something covers
33. Pablo Picasso and Georges Braque are two of the most famous \_\_\_\_\_ artists.  
*n.* a 20th-century art movement that emphasizes the formal structure of objects, often breaking them down into geometric shapes and planes and depicting them from multiple angles at once
34. The \_\_\_\_\_ of ancient Greek literature includes many famous works.  
*n.* a collection of texts or documents, usually used in research or analysis
35. Most countries prohibit sexual activity between certain close \_\_\_\_\_.  
*adj.* considered and evaluated through comparison with something else
36. She agreed to \_\_\_\_\_ with him in creating new artwork.  
*v.* to work with someone else to produce or achieve something
37. The \_\_\_\_\_ smell of freshly brewed coffee filled the room.  
*adj.* able to pierce or enter deeply into something; having a sharp, intense quality that cuts through superficiality or confusion
38. The sudden policy change has caused \_\_\_\_\_ among employees.  
*n.* the state of being mixed up or unclear, or the state of disorder or uncertainty
39. The cerebral \_\_\_\_\_ consists of six layers.  
*n.* the outermost layer of an organ, especially the brain
40. Damage to the \_\_\_\_\_ may play a role in the development of glaucoma.  
*n.* the innermost light-sensitive membrane covering the back wall of the eyeball

ANSWERS: 32. span, 33. cubism, 34. corpus, 35. relatives, 36. collaborate, 37. penetrating, 38. confusion, 39. cortex, 40. retina

41. It's intriguing to compare and \_\_\_\_\_ the two authors.
- v.* to put in opposition to show or emphasize differences
42. Thousands of people attended the protest \_\_\_\_\_ against the proposed policy.
- n.* a display or show, often of a particular skill or product, intended to convince or persuade others
43. The biologist is conducting a study on the dietary habits of the \_\_\_\_\_.
- n.* a mammal with a protective bony armor covering its body, native to the Americas and known for its ability to roll into a ball for defense
44. He is a man admired for the depth of his \_\_\_\_\_.
- n.* a belief, opinion, or image you have based on how you regard, understand, or interpret something; the ability to see, hear, or notice something through the senses
45. 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
46. The \_\_\_\_\_ is crucial for learning and memory storage.
- n.* a major component of the brain of humans and other vertebrates that is part of the limbic system and is vital for memory
47. The researcher separated the nervous \_\_\_\_\_ for microscopic examinations.
- n.* an ensemble of similar cells of the animal or plant that together carry out a specific function
48. I watched a thrilling \_\_\_\_\_ match at the club over the weekend.
- n.* a sport played on horseback in which two teams try to hit a ball through a goal using long-handled mallets

ANSWERS: 41. contrast, 42. demonstration, 43. armadillo, 44. perception, 45. circuit, 46. hippocampus, 47. tissue, 48. polo

49. Maximum heart rates \_\_\_\_\_ a lot for each individual.

*v.* to become different in terms of size, shape, etc.

50. The \_\_\_\_\_ has largely gotten positive feedback.

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

51. They've decided to \_\_\_\_\_ a ruined castle.

*v.* to build or form something again that has been damaged or destroyed

52. \_\_\_\_\_ constant is a fundamental constant of nature used in quantum mechanics.

*n.* a unit of measurement used in physics to quantify the smallest possible amounts of energy, typically associated with subatomic particles and other quantum phenomena

53. This company \_\_\_\_\_ into an enterprise company.

*v.* to change or cause to change something or someone smoothly and gradually from one thing to another

54. His painting style is \_\_\_\_\_ of Monet's

*adj.* making you remember someone or something; relating to the recall of personal interests

55. As an \_\_\_\_\_ he had the right to make his own decisions and live his life as he saw fit.

*n.* a single person or thing, as distinct from a group

56. The \_\_\_\_\_ model of the human body was used to teach medical students.

*adj.* of or relating to the structure of the body and its parts

ANSWERS: 49. vary, 50. novel, 51. reconstruct, 52. Planck's, 53. morphed, 54. reminiscent, 55. individual, 56. anatomical



57. The children complained because one \_\_\_\_\_ of cake was slightly larger than the other.

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

58. The golfer recorded an \_\_\_\_\_ distance.

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

59. The company has made great strides in its \_\_\_\_\_ toward sustainability.

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

60. This laptop has a \_\_\_\_\_ processor, making it fast and efficient.

*adj.* having two parts, aspects, or elements

61. We must \_\_\_\_ ourselves of pollution.

*v.* to make someone or something free of unwanted or unpleasant tasks, objects, or person

62. The ancient Greek \_\_\_\_\_ are known for their realism and attention to detail.

*n.* the art of creating three-dimensional objects or forms, typically by carving, modeling, or casting in a variety of materials such as stone, wood, metal, or clay

63. The product developed through years of research continues to \_\_\_\_\_ the market.

*v.* to make a machine or system work by using electricity; to make someone extremely enthusiastic about or interested in something

64. This evidence will form the \_\_\_\_\_ for our discussion.

*n.* the most important facts, ideas, or events from which something is developed; the way how things are organized or arranged

ANSWERS: 57. slice, 58. amazing, 59. progression, 60. dual-core, 61. rid, 62. sculptures, 63. electrify, 64. basis

65. Her visit will \_\_\_\_\_ from Monday to Friday.

*v.* to broaden in scope, range, or area

66. \_\_\_\_\_ robots that can cooperate with humans have limited motor output for safety.

*adj.* having the capacity for thought and reason, especially to a high degree

67. It's important to \_\_\_\_\_ your strengths and weaknesses.

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

68. The instructions provided were \_\_\_\_\_ and confused the team.

*adj.* open to more than one interpretation; not clear or decided

69. Hunters use a whistle that makes the \_\_\_\_ sound to lure stags.

*n.* a mature female of mammals of which the male is called a buck, such as a deer or a rabbit

70. The researcher demonstrated the superiority of quantum \_\_\_\_\_ in several mathematical tasks.

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

71. The building makes a remarkable \_\_\_\_\_ impact.

*adj.* relating to seeing or sight

72. The wooden bench beneath the \_\_\_\_\_ was a peaceful place to read a book.

*n.* a shady place or a shelter formed by trees, vines, or climbing plants; a lattice framework or trellis that supports climbing plants; a seating area or shelter made of woven branches or vines; (of medicine, also "arbor vitae") the white matter of the cerebellum in the brain

ANSWERS: 65. extend, 66. Intelligent, 67. recognize, 68. ambiguous, 69. doe, 70. computation, 71. visual, 72. arbor

73. In terms of \_\_\_\_\_ he was head and shoulders above his classmates.  
*n.* the ability to learn, comprehend, or make judgments or conclusions based on reasons
74. The seafood restaurant had a variety of dishes featuring \_\_\_\_\_.  
*n.* a small, freshwater or saltwater creature with a slender body and long legs
75. The annual Fourth of July \_\_\_\_\_ is popular in the town square.  
*n.* a public procession, especially one celebrating a special day or event
76. The width of a single human hair is around 100 \_\_\_\_\_.  
*n.* a unit of measurement equal to one-millionth of a meter, used for measuring the size of particles and microorganisms
77. The investigation \_\_\_\_\_ several government agencies and is expected to take several months.  
*v.* to include or affect someone or something as a necessary part of something else
78. He has a flair for \_\_\_\_\_.  
*n.* the science dealing with the logic of quantities, shapes, spaces, and arrangement
79. It was the first time for her, but she \_\_\_\_\_ the role of Priest.  
*v.* to meet the requirements or expectations; to achieve or realize
80. What do you \_\_\_\_\_ the culprit's motive was?  
*v.* to think that something is likely to be actual or possible

ANSWERS: 73. intelligence, 74. shrimp, 75. parade, 76. microns, 77. involves, 78. mathematics, 79. fulfilled, 80. suppose

81. The \_\_\_\_\_ will repair my telephone tomorrow morning.  
*n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software
82. This project has been \_\_\_\_\_ for several years.  
*adj.* having started and currently in progress
83. Yesterday, I created a rough \_\_\_\_\_ of the plan.  
*n.* a simple, quickly-made picture that does not have many details; a short descriptive summary of something
84. Sleep-deprived people gradually lose their concentration and may \_\_\_\_\_.  
*v.* to experience a seemingly real perception of something that does not actually exist, usually as a result of a mental illness or drug use
85. The company is launching a new line of \_\_\_\_\_ products aimed at young adults.  
*adj.* consisting of or occurring in a series or sequence; relating to or involving a series or sequence of events, stories, or incidents
86. The car was completely \_\_\_\_\_ in the accident.  
*v.* to press it firmly, usually with your hands or a tool, so that it becomes flat or smaller
87. Studies have shown that long-term use of \_\_\_\_\_ can have adverse effects on cognitive abilities.  
*n.* a psychoactive drug derived from the Cannabis plant, used for medicinal or recreational purposes; a drug that is illegal in some countries and states but legal in others for specific purposes
88. The \_\_\_\_\_ cost of the project was estimated to be around \$500,000.  
*adj.* nearly accurate or correct, but not completely so

ANSWERS: 81. engineer, 82. underway, 83. sketch, 84. hallucinate, 85. serial, 86. crushed, 87. marijuana, 88. approximate

89. The famous \_\_\_\_\_ used various tools to carve the marble into the desired shape.  
*n.* an artist who creates sculptures, three-dimensional objects, or forms
90. The new smartphone model is \_\_\_\_\_ to the previous version in terms of speed and features.  
*adj.* better, higher in quality, or more advanced than others
91. The new software will streamline the workflow, \_\_\_\_\_ increasing productivity.  
*adv.* as a result; consequence of a particular action or set of conditions
92. People can clone a sheep \_\_\_\_\_.  
*adv.* at the current time, in comparison to the past
93. Based on ice core samples, scientists can draw \_\_\_\_\_ about the Earth's past climate.  
*n.* a conclusion reached based on evidence and reasoning; a deduction or assumption
94. The \_\_\_\_\_ rainstorm caused the collapse of the corral.  
*adj.* not anticipated or regarded as likely to happen
95. The allegations of corruption \_\_\_\_\_ her reputation, and she struggled to regain public trust.  
*v.* to discolor, defile, or tarnish something; (noun) a discoloration or dirty mark on a surface that is difficult to remove
96. The computer screen displayed nothing but a \_\_\_\_\_ white screen  
*adj.* without any writing or printing; empty or devoid of ideas, information, or meaning; unable to remember or recall information

ANSWERS: 89. sculptor, 90. superior, 91. thereby, 92. nowadays, 93. inferences, 94. unexpected, 95. stained, 96. blank

97. 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
98. I packed my \_\_\_\_\_ with all the necessary camping gear for our trip.
- n.* a bag or pack that is worn on the back, often used for carrying books, equipment, or supplies
99. All the supervisor has to do is assign tasks that make his subordinates more \_\_\_\_\_.
- adj.* relating to or involving the use of skill and original and unusual ideas to create something
100. 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
101. We gained various \_\_\_\_\_ by analyzing the vast amount of data owned by the company.
- n.* the ability to gain an accurate and deep understanding of people or situations; an accurate and deep understanding of what something is like
102. Her response revealed \_\_\_\_\_ idiocy.
- adj.* unbelievable; enormous
103. Health and \_\_\_\_\_ are, above all, gold.
- n.* the quality or state of being physically, or sometimes mentally, strong
104. The scientist used a \_\_\_\_\_ technique to study the cells at a microscopic level.
- n.* the scientific study of small structures or substances using microscopes, including the anatomical, physiological, and pathological aspects of cells, tissues, and organs

ANSWERS: 97. process, 98. backpack, 99. creative, 100. biology, 101. insights, 102.

incredible, 103. strength, 104. microscopy

105. People tend to make \_\_\_\_\_ predictions.

*adj.* of, relating to, or consisting of lines or length; able to be expressed as a straight line, especially on a graph

106. One such rapidly growing \_\_\_\_\_ is quantum cryptography.

*n.* an idea or principle associated with something abstract

107. Trial and error is an \_\_\_\_\_ part of education.

*adj.* indispensable; fundamental

108. I've included the two designs for a \_\_\_\_\_.

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

109. This factory employs a \_\_\_\_\_ manufacturing system.

*adj.* of or connected with the cells of animals or plants; of or connected with a mobile telephone system that uses several short-range radio stations instead of wires

110. The \_\_\_\_\_ demonstrate that poverty and unemployment are genuine problems.

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

111. The package was a \_\_\_\_\_ shape, which made it easier to stack on the shelf.

*adj.* having the shape of a cube or being of three dimensions; measured in units that are the third power of a linear unit

112. The \_\_\_\_\_ in the instructions made it difficult for her to complete the task.

*n.* the quality of being open to more than one interpretation; the uncertainty of meaning

ANSWERS: 105. linear, 106. concept, 107. essential, 108. comparison, 109. cellular, 110. statistics, 111. cubic, 112. ambiguity



113. The journalist's \_\_\_\_\_ reporting should have captured the full scope of the issue.  
*adj.* existing or occurring only at or on the surface; appearing to be true or real only until examined more closely
114. 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
115. This study \_\_\_\_\_ four different ways to run a business.  
*v.* to notice or understand the difference between two people or things
116. He postulated a completely different \_\_\_\_\_ to explain all these phenomena.  
*n.* a standard or typical example of something; a pattern or model
117. I bought a gadget before my trip to help \_\_\_\_\_ stress during the flight.  
*v.* to make something, especially something bad, small or less serious
118. Draw a circle five centimeters in \_\_\_\_\_.  
*n.* the length of a straight line passing through the center of a circle and connecting two points on the circumference
119. 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
120. The bridge is a \_\_\_\_\_ structure and was built to span the river.  
*adj.* created or produced by humans; artificial
121. \_\_\_\_\_ prevalent in hospitals are often resistant to antibiotics.  
*n.* single-celled or noncellular spherical or spiral or rod-shaped organisms that exist in large numbers in the air, water, and soil, and also in living and dead creatures and plants, and are often a cause of disease

ANSWERS: 113. superficial, 114. identify, 115. distinguished, 116. paradigm, 117. minimize, 118. diameter, 119. brain, 120. human-made, 121. Bacteria

122. The biologist \_\_\_\_\_ the viruses into four groups.

*v.* to put people or things into groups according to their features, types, etc.

123. His classmates were laboring with advanced \_\_\_\_\_.

*n.* a type of mathematics in which signs and letters represent numbers

124. Necessity is the mother of \_\_\_\_\_.

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

125. John Whitney was a computer animation \_\_\_\_\_.

*n.* inventor; explorer; someone who is among the first to achieve something

126. His \_\_\_\_\_ showed highly positive results.

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

127. This remote \_\_\_\_\_ is rarely visited.

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

128. The essence of economics is to \_\_\_\_\_ the allocation of limited resources.

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

129. The \_\_\_\_\_ temperature recorded this summer was higher than average.

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

130. Her research team made an important \_\_\_\_\_.

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

ANSWERS: 122. categorized, 123. algebra, 124. invention, 125. pioneer, 126. experiments, 127. spot, 128. optimize, 129. maximum, 130. discovery

131. Overall \_\_\_\_\_ are approximately 400x200mm.

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

132. 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

133. His membership in the \_\_\_\_\_ provided him with numerous benefits.

*n.* a people or groups of people who have joined in a single organization together for a particular purpose; a social or business connection or relationship

134. Can you \_\_\_\_\_ 123321 by eleven?

*v.* to separate or cause to separate into parts or groups

135. The industrial \_\_\_\_\_ laws were passed with little to no alteration.

*n.* the way two persons or groups of people feel and act toward one another

136. The \_\_\_\_\_ by the citizen resulted in a redistribution of wealth.

*n.* a large-scale attempt to overthrow the government of a country, often using violence or war;

137. He \_\_\_\_\_ when he heard that he had been accepted into the university.

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

138. Our body transfers information along each \_\_\_\_\_ using an electrical impulse.

*n.* a cell that is specialized to carry information within the brain and between the brain and other parts of the body

139. The \_\_\_\_\_ of the tree had fallen and blocked the road.

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

ANSWERS: 131. dimensions, 132. structure, 133. association, 134. divide, 135. relations, 136. revolution, 137. flipped, 138. neuron, 139. branch

140. \_\_\_\_\_ a number by itself twice.

- v.* to add a number to itself a specified number of times; to increase or cause to increase very much in number or quantity

141. Little children tend to have \_\_\_\_\_ friends.

- adj.* existing only in someone's mind

142. The temperature range was one of the critical \_\_\_\_\_ we had to consider when designing the experiment.

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

143. The shiny \_\_\_\_\_ on the new car made it look even more impressive.

- n.* a smooth and shiny surface on a material, often achieved through the application of a coating or finish; a brief or superficial explanation or description, often used to make something seem better or more attractive than it actually is; (verb) to make something appear better or more positive than it really is, often by using vague or misleading language

144. We elected him to \_\_\_\_\_ us at the international conference.

- v.* to speak, act, or be present on behalf of another person or group; to form or constitute

145. The Beatles' \_\_\_\_\_ music was a hallmark of the 1960s counterculture movement.

- adj.* relating to or characterized by the use of drugs or the effects that produce altered perceptions, heightened awareness, and vivid imagery; describing art, music, or fashion characterized by bright colors, bold patterns, and unconventional designs

ANSWERS: 140. Multiply, 141. imaginary, 142. parameters, 143. gloss, 144. represent, 145. psychedelic

146. 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
147. This movie is famous for its romantic \_\_\_\_\_.
- n.* the use of words or pictures in books, photographs, paintings, etc., that produces pictures in the minds of people; the ability to form mental images of things or events
148. 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
149. I heard several melodic \_\_\_\_\_ simultaneously.
- n.* a very thin natural or synthetic thread, wire, hair, etc.; (verb) to leave or drive a vessel, fish, etc., aground or ashore
150. One light year is nearly 6 \_\_\_\_\_ miles.
- n.* the number 1,000,000,000,000; a million million
151. The political situation \_\_\_\_\_ the country's economic growth and foreign relations.
- v.* to restrict or limit someone or something's freedom or ability to do something
152. The athlete won three \_\_\_\_\_ championships in her sport.
- adj.* following in a sequence or order without interruption or break; occurring one after another

ANSWERS: 146. morphology, 147. imagery, 148. neuroscience, 149. strands, 150. trillion, 151. constrained, 152. consecutive

153. The small \_\_\_\_\_ is responsible for absorbing most of the nutrients from food.
- n.* a long, tube-like organ in the digestive system that is responsible for absorbing nutrients from food and eliminating waste products
154. Her \_\_\_\_\_ imagination allowed her to dream up incredible stories.
- adj.* characterized by or involving imaginative and unrealistic ideas or concepts; existing or perceived only in the imagination
155. She \_\_\_\_\_ the sore spot on her leg to ease the pain.
- v.* to move one's hand or an object over the surface of something with pressure
156. Later, his claim was found to be \_\_\_\_\_ false.
- adv.* completely
157. The athlete's record-breaking performance \_\_\_\_\_ all expectations.
- v.* to be or do better than someone or something; to excel or go beyond the limits or standards of something
158. The restaurant \_\_\_\_\_ a ban on smoking.
- v.* to change something's direction, order, position, decision, etc., to the opposite one; (adjective) directed or moving toward the rear
159. \_\_\_\_\_ species have drastically altered the ecosystem in this area.
- n.* a person who comes from a different country, race, or group; a form of life assumed to exist outside the Earth or its atmosphere
160. He got a new job for the \_\_\_\_\_ of his family.
- n.* purpose; reason for wanting something done

ANSWERS: 153. intestine, 154. fanciful, 155. rubbed, 156. entirely, 157. surpassed, 158. reversed, 159. Alien, 160. sake

161. The jury must \_\_\_\_\_ a decision on this complex case.

- v.* to bring someone or something into a particular state; to provide something such as service, help, etc.

162. The professor explained the \_\_\_\_\_ of the nervous system.

- n.* the scientific study that deals with the physical structure of humans, animals, or plants

163. Scientific knowledge will \_\_\_\_\_ significantly with the power of AI.

- v.* to go or move forward; to develop in a positive way

164. The Chinese people have accomplished several \_\_\_\_\_ feats.

- adj.* famous or significant in history, or potentially so

165. We must \_\_\_\_\_ a new system to streamline our workflow and increase efficiency.

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

166. The outermost \_\_\_\_\_ shell determines the chemical properties of an atom.

- n.* a tiny particle with the negative electrical charge

167. They took the \_\_\_\_\_ step toward reconciliation.

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

168. This artwork is \_\_\_\_\_ of her work.

- adj.* having the usual characteristics or traits of a specific group of things

ANSWERS: 161. render, 162. anatomy, 163. advance, 164. historic, 165. develop, 166. electron, 167. initial, 168. typical

169. The defendant gave a \_\_\_\_\_ and accurate description of the accident.

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

170. The dreamlike quality of the painting gave it a \_\_\_\_\_ feel.

*adj.* strange and unreal; having an oddly dreamlike quality

171. His \_\_\_\_\_ of being a gourmet were quickly exposed when he could not identify basic herbs and spices.

*n.* the act of claiming or asserting something, especially without good reason or without evidence; an unfounded or excessive claim or ambition

172. This region has many \_\_\_\_\_ offering higher education.

*n.* an organization that has a specific purpose, particularly one dealing with science, education, or a particular profession; (verb) to initiate, introduce, or establish something

173. The rain and thunder are \_\_\_\_\_ today.

*adj.* stupid or not sensible; very angry

174. The deep sea \_\_\_\_\_ was unlike anything the scientists had ever seen before.

*n.* a living being, especially an animal

175. We can now \_\_\_\_\_ with the next item on our agenda.

*v.* to move forward or to continue with a process or action; to advance or progress

176. There are \_\_\_\_\_ differences between the two wine-producing regions.

*adj.* easy to see, discover or understand

ANSWERS: 169. straightforward, 170. surreal, 171. pretensions, 172. institutes, 173. crazy, 174. creature, 175. proceed, 176. obvious



177. We hit the ground to \_\_\_\_\_ out the rabbits.

*v.* to frighten a person or animal, or to become frightened

178. The \_\_\_\_\_ of waterfalls in the national park was a breathtaking sight.

*n.* a small waterfall or series of small waterfalls; a succession of stages or operations or processes or units

179. Animals transmit nerve impulses through \_\_\_\_\_.

*n.* the fact or state of failing to finish an activity and of stopping using, making, or doing it

180. Videos documenting the process of creating this pencil \_\_\_\_\_ have been popular worldwide.

*n.* the pieces of art, such as pictures and photographs used in books, magazines, etc.

181. The marathon runner covered a long \_\_\_\_\_ in a short amount of time.

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

182. \_\_\_\_\_ DNA is used to trace human lineage and migration footprints.

*n.* (singular: mitochondrion) an organelle (= a specialized part of a cell) found in large numbers in most cells that produce energy for the cell by breaking down food

ANSWERS: 177. scare, 178. cascade, 179. synapses, 180. artwork, 181. distance, 182. Mitochondria