

# Englist.me



## Vocabulary Builder Reference from...

*Addison Anderson: The most groundbreaking scientist you've never heard of | TED Talk*

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### All Words

#### IMPORTANT

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## Session 1: Word List

### geology

*n.* a science that deals with the history of the earth as recorded in rocks

*synonym*: earth science

(1) bureau of **geology**, (2) local **geology**

He was a visiting **geology** professor at the University of Tokyo.

### expand

*v.* to increase or to make something greater in size, number, or importance

*synonym*: extend, grow, boost

(1) **expand** a lineup, (2) **expand** agricultural output

They hope to **expand** their business worldwide.

### 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.

### goldsmith

*n.* a person who works in gold, creating items such as jewelry, coins, and other decorative items

*synonym*: jeweler, silversmith, metalworker

(1) **goldsmith** artisan, (2) **goldsmith** bank

The skilled **goldsmith** was renowned for his intricate jewelry

designs and high-quality craftsmanship.

## chum

*n.* a close friend; a companion; also refers to bait used in fishing to attract fish

*synonym*: friend, companion, mate

(1) school **chum**, (2) new **chum**

He always had a **chum** to play with when he was a child.

## plague

*n.* any epidemic disease with a high death rate; (also called pest) a serious, sometimes fatal, infection spread by rats that causes fever and swellings on the body

*synonym*: epidemic, pandemic, pest

(1) catch the **plague**, (2) deadly **plague**

Our farm experienced a **plague** of locusts this year.

## survive

*v.* to live or exist despite a dangerous event or period

*synonym*: endure, persist, stay

(1) **survive** a blizzard, (2) **survive** a plane crash

These birds can only **survive** in temperate climates.

## corps

*n.* a large group of people trained and organized for a particular purpose, such as the military or a performing arts troupe

*synonym*: body, group, organization

(1) airborne **corps**, (2) **corps** artillery

The **corps** arrived at the front lines just in time to reinforce the exhausted soldiers.

## 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.

## duct

*n.* a tube, pipe, or channel for conveying air, water, or other substances

*synonym*: tube, pipe, channel

(1) breast **duct**, (2) **duct** tape

The air **ducts** in the building needed to be cleaned to improve the air quality.

## skull

*n.* a bone framework that surrounds the brain and gives the head its shape

*synonym* : cranium, scalp, brain

(1) **skull** fracture, (2) have a thick **skull**

Archaeologists found a Neanderthal **skull** at that historic site.

## saliva

*n.* the clear liquid that is secreted into the mouth by glands in the walls of the mouth and throat, helping to lubricate food during chewing and digestion

*synonym* : spit, drool, slobber

(1) dog's **saliva**, (2) dry mouth with little **saliva**

The dentist asked him to spit out the excess **saliva** into the sink.

## refute

*v.* to say or prove that something is wrong or false

*synonym* : disavow, rebut, counter

(1) **refute** an opponent, (2) **refute** the foolish idea

The latest experimental results have **refuted** the previous speculation.

## gland

*n.* a group of cells in an animal's body that produce substances needed by the body and release them through ducts or directly into the bloodstream

*synonym* : secretor

(1) the function of the thyroid **gland**, (2) a mammary **gland**

The adrenal **glands** produce steroids.

## arguably

*adv.* used when expressing an opinion or idea that you believe can be proven true

*synonym* : probably, possibly

(1) she is **arguably** the best singer, (2) **arguably** the greatest discovery

He is **arguably** regarded as the finest actor of his generation.

## debut

*n.* the first public performance of an artist or actor  
*synonym*: introduction, launching, premiere

(1) **debut** on national TV, (2) **debut** performance  
The **debut** album of the band was a success.

## 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**.

## remarkable

*adj.* worthy of attention because unusual or special  
*synonym*: outstanding, exceptional, extraordinary

(1) **remarkable** achievement, (2) the **remarkable** breadth of knowledge

The election was a **remarkable** success for the Whigs.

## ancient

*adj.* relating to the long ago, particularly the historical period preceding the fall of the Western Roman Empire; very old

*synonym*: archaic, age-old, obsolete

(1) pre-Christian **ancient**, (2) **ancient** stories

They have been living near water since **ancient** times.

## metaphysics

*n.* the branch of philosophy that deals with the fundamental nature and the first principles of reality, including abstract concepts such as being, knowing, identity, time, and space

(1) **metaphysics** study, (2) the nature of **metaphysics**

Kant's thoughts provided the foundational ideas for treating **metaphysics** as a discipline.

## deduct

*v.* to take away an amount or part of the money, points, etc. from a total

*synonym*: remove, subtract, withdraw

(1) **deduct** the interest, (2) **deduct** \$100 from the price

The bank **deducted** the premium amount from his bank account.

## overrule

*v.* to make a decision or judgment that is different from an earlier one; to overturn or override a decision or action

*synonym*: override, countermand, supersede

(1) **overrule** decision, (2) **overrule** judgment

The judge **overruled** the objection and allowed the evidence to be presented.

## empirical

*adj.* based on or verifiable by observation or experience rather than theory or pure logic

*synonym*: observational, experiential, factual

(1) **empirical** research, (2) **empirical** philosophy

The study's results were based on **empirical** evidence gathered from extensive research.

## experimental

*adj.* relating to or based on new ideas, forms, methods, etc. that have not been tried before, usually to find out what effect they have

*synonym*: empirical, exploratory, observed

(1) **experimental** data, (2) **experimental** design

The product is still in the **experimental** stage.

## vision

*n.* the ability to think about or see the future with imagination and intelligence; the faculty of being able to see

*synonym*: sight, image, concept

(1) a prodigious **vision**, (2) telescopic **vision**

Driving is difficult for me because of my poor **vision**.

## clutter

*n.* to fill a room or place with so many items that it becomes messy

*synonym*: mess, chaos, jumble

(1) in a **clutter**, (2) clear desk **clutter**

He accused the tenants of leaving **clutter** and breaking the security camera.

## speculate

*v.* to form a theory or conjecture or guess about a subject without solid evidence

*synonym*: assume, conjecture, infer

(1) **speculate** about the reason, (2) **speculate** on the outcome

He **speculated** that this investment would lead to success.

## gall

*n.* rudeness and the inability to understand that one's conduct or words are not acceptable to others; a feeling of deep and bitter anger and ill-will

*synonym*: bitterness, boldness, vexation

(1) **gall** and wormwood, (2) have the **gall**

He sometimes recalls **gall** past mistakes.

## accretion

*n.* the process of gradual growth or accumulation, particularly of layers or matter building up over time; the result of such a process

*synonym*: accumulation, buildup, growth

(1) stellar **accretion**, (2) island **accretion**

The rock was formed by the slow **accretion** of sediments over millions of years.

## mold

*n.* a hollow container used to give shape to liquid or soft substance, which then becomes solid in the same shape as the container; a soft, green, or gray growth that forms on stale food or objects exposed to warm, moist air for too long

*synonym*: cavity, cast, mildew

(1) a casting **mold**, (2) **mold** allergy

Mushrooms and **mold** are fungi.

## principle

*n.* a fundamental law or truth that explains or controls how something happens or works

*synonym*: rule, creed, code

(1) **principle** of treatment, (2) **principle** in business

Efficiency isn't an essential **principle** here; fairness is.

## 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**.

## solid

*adj.* hard or firm; characterized by good substantial quality

*synonym* : stable, reliable, hard

(1) **solid** ally, (2) **solid** employment measures

The **solid-state** of water is called ice.

## structural

*adj.* associated with the way on construction or organization of anything

*synonym* : architectural, basic, anatomical

(1) **structural** analyses, (2) **structural** reorganization

The earthquake resulted in significant **structural** destruction.

## 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.

## grand

*adj.* important and large in size, scope, or extent

*synonym* : impressive, great, ambitious

(1) a **grand** meal, (2) **grand** bargain

This year's **grand** gathering will be held in Canada.

## dissect

*v.* to cut into pieces to study the structure of something in detail

*synonym* : analyze, examine, study

(1) **dissect** the data, (2) **dissect** a personality

The scientist **dissected** the frog to study its internal organs.

## shark

*n.* a long-bodied, mostly predatory marine fish that has sharp teeth and a pointed fin on its back; a person who is ruthless, greedy, and dishonest

*synonym* : swindler, con artist, crook

(1) a man-eating **shark**, (2) card **shark**

He borrowed money from a loan **shark**.

## resemble

*v.* to look like or be similar to someone or something

*synonym* : look like, be similar to

(1) **resemble** each other, (2) **resemble** her mother

The brothers **resemble** each other in the hobby.

## tongue

*n.* a moveable mass of muscle tissue covered with mucous membrane that is in the mouth; a language

*synonym* : lingo, language, vocabulary

(1) native **tongue**, (2) **tongue** cancer

The **tongue** is boneless, but it is as strong as bones.

## odd

*adj.* strange or unexpected; not divisible by two

*synonym* : strange, bizarre, abnormal

(1) in an **odd** way, (2) **odd** behavior

His grandfather was an **odd** man.

## naturalism

*n.* a philosophical belief that everything, including human behavior and cognition, can be explained solely by natural causes and laws

(1) **naturalism** in literature, (2) philosophical **naturalism**

The scientific method is often seen as an embodiment of **naturalism**, as it seeks to understand the natural world through observation and experimentation.

## folk

*n.* people in general, especially those of a particular group or type

*synonym* : community, family, person

(1) **folk** art, (2) the **folk** songs of a particular district

Some seaweed was used as **folk** medicine in ancient times.



**petrify**

*v.* to turn to stone; to make hard and unyielding  
*synonym*: fossilize, mineralize, calcify

(1) **petrify** with fear, (2) **petrify** into stone

The thought of public speaking will **petrify** her.

**saint**

*n.* a person who is recognized as having an exceptional degree of holiness, virtue, or devotion

*synonym*: holy person, martyr, angel

(1) **saint** statue, (2) the departed **saint**

The faithful follower venerated the **saint's** relic.

**vice**

*n.* wrongdoing or wicked behavior; (in the form of vice versa) with the order reversed; (as a prefix) someone with a job immediately below a particular person

*synonym*: corruption, depravity, evil

(1) virtue and **vice**, (2) **vice-chair** of the committee

Cats hate dogs and **vice** versa.

**argue**

*v.* to express differing opinions or points of view, often in a heated or contentious manner; to present a case or reasoning to persuade or convince others

*synonym*: debate, dispute, quarrel

(1) **argue** a case, (2) **argue** passionately

The couple began to **argue** over which restaurant to go to for dinner.

**watery**

*adj.* full of or containing water; wet

*synonym*: liquid, wet, damp

(1) a **watery** fluid, (2) go to a **watery** grave

The soup was too **watery** and needed more flavor.

**sediment**

*n.* the substance that forms a solid layer at the bottom of the liquid

*synonym*: deposition, residue

(1) **sediment** runoff, (2) gravel **sediment**

Heavy rain often washes away **sediments** of the river.

## horizontal

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

*synonym* : even, lying, parallel

(1) **horizontal** lines, (2) **horizontal** stripes

Airplanes need **horizontal** tails to improve stability.

## atop

*adv.* on, to, or at the top

*synonym* : upon, onto

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

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

## deformity

*n.* a physical abnormality or distortion

*synonym* : abnormality, malformation, disfigurement

(1) **deformity** of character, (2) physical **deformity**

The **deformity** in the steel beam caused the bridge to collapse.

## tilt

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

*synonym* : incline, slant, lean

(1) on the **tilt**, (2) **tilt** a chair

She **tilted** her head to the side, indicating she was listening.

## canyon

*n.* a large deep valley with very steep sides of rock and usually formed by a river

*synonym* : gorge, valley, ravine

(1) twisty **canyon** road, (2) **canyon** of skyscrapers

The Grand **Canyon** has an awe-inspiring sight.

## revolutionary

*adj.* relating to or characterized by a complete or dramatic change

*synonym* : radical, innovative, groundbreaking

(1) **revolutionary** change, (2) enforce **revolutionary** justice

The **revolutionary** leader inspired others to join the fight for freedom and democracy.

## 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**.

## stratigraphy

*n.* the scientific study and analysis of rock layers (strata) and their arrangement to understand the geological history of the Earth, often used in fields such as geology and archaeology

*synonym*: layering, rock sequencing, geological record

(1) **stratigraphy** analysis, (2) marine **stratigraphy**

The **stratigraphy** diagram displayed in the museum helps visitors understand the various epochs in Earth's history.

## origin

*n.* the first existence or beginning of something

*synonym*: root, source, ancestor

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

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

## era

*n.* a period that is distinct from others, typically in history

*synonym*: epoch, age, period

(1) dawn of a new **era**, (2) the **era** of the Renaissance

Political corruption was common throughout the postwar **era**.

## uniformitarianism

*n.* (of geology) the idea that the Earth's past geological changes can and should be explained by processes still in operation today, operating at similar intensities; any scenario where it's believed that processes operating in the past are like those that can be observed in the present

*synonym*: gradualism, steady-state theory

(1) **uniformitarianism** theory, (2) critique of **uniformitarianism**

He presented a **uniformitarianism-based** approach to understanding the sedimentary layers in the region.

## 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.

## observable

*adj.* that can be noticed or seen

*synonym*: visible, perceptible, detectable

(1) **observable** change, (2) experimentally **observable**

Any theorem relies on both **observable** fact and assumption.

## geologist

*n.* a scientist or specialist who studies geology

(1) planetary **geologist**, (2) marine **geologist**

These issues baffled **geologists** for many years.

## erosion

*n.* the wearing away of rock, soil, or land by natural processes such as wind or water

*synonym*: corrosion, weathering, decay

(1) **erosion** control, (2) wind **erosion**

The **erosion** of the coastline has accelerated due to rising sea levels.

## bible

*n.* the sacred writings of the Christian religions, consisting of the Old and New Testaments; a book regarded as authoritative in its field

*synonym*: authoritative book, holy book, doctrine

(1) a passage from the **Bible**, (2) believe **Bible** prophecy

Students have loved this textbook for many years as a biology **bible**.

## guesstimate

*n.* an approximate calculation that is based more on guessing than on information

*synonym*: ballpark, approximation, guess

(1) give a **guesstimate**, (2) **guesstimate** of the numbers involved

Please make a quick **guesstimate** about the workload and cost.

## combine

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

*synonym*: coalesce, cohere, blend

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

(2) **combine** augmented reality

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

## tectonics

*n.* the study of the processes that shape the Earth's surface, including the movements of tectonic plates, earthquakes, and volcanic activity

*synonym*: geology, plate tectonics, earth movements

(1) plate **tectonics**, (2) collision **tectonics**

Global **tectonics** plays a critical role in the formation of mountain ranges and the movement of Earth's crustal plates.

## molten

*adj.* in a liquid state as a result of being heated

*synonym*: melted, liquefied, fused

(1) a **molten** image, (2) **molten** lava

The **molten** metal was poured into the mold.

## quake

*v.* to shake or vibrate violently and for a short time

*synonym*: shake, trembler, tremor

(1) **quake** in his boots, (2) **quake** with cold

The earth began to **quake**, and he knew he had to leave the building immediately.

## encircle

*v.* to form a circle or ring around something or someone; to surround or encompass something or someone completely

*synonym*: enclose, surround, encompass

(1) **encircle** the lake, (2) **encircle** the waist

The castle walls **encircled** the entire village for protection.

## planet

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

*synonym* : earth, world, globe

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

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

## 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.

## fossil

*n.* any preserved remains, impression, or trace of any once-living thing that has become hard and turned into rock

*synonym* : relic, remnant, antediluvian

(1) burning of **fossil** fuels, (2) a **fossil** leaf

It was the **fossil** of a dinosaur tooth.

## extinction

*n.* the complete disappearance of a species from the earth

*synonym* : disappearance, eradication, annihilation

(1) **extinction** prevention, (2) brink of **extinction**

The **extinction** of the dinosaurs is thought to have been caused by an asteroid impact.

## ponder

*v.* to think deeply or carefully about something

*synonym* : think about, consider, reflect on

(1) **ponder** divine matters, (2) **ponder** life's meaning

She sat quietly, **pondering** the difficult decision.

## giant

*adj.* enormous; much bigger or more important than similar items usually are

*synonym* : big, gigantic, huge

(1) **giant** trees, (2) **giant** tech company

The **giant** jets gradually dominate the world's airlines.

## evolve

*v.* to develop gradually, or to cause the development of something or someone gradually

*synonym*: develop, mature, grow

(1) **evolve**, (2) **evolve** over the past decade

Eyeless fish **evolved** in dark caves.

## evolution

*n.* a gradual process of transformation of living things

*synonym*: elaboration, expansion, transition

(1) human **evolution**, (2) **evolution** theory

They study the **evolution** of the universe.

## unbiased

*adj.* free from prejudice or favoritism; fair and impartial in judgment and decision-making

*synonym*: neutral, fair, impartial

(1) **unbiased** opinion, (2) **unbiased** review

The judge has a reputation for being fair and **unbiased** in his rulings.

## observation

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

*synonym*: watching, notice, reflection

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

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

## intellect

*n.* the ability to think logically and comprehend information, especially at an advanced level

*synonym*: mind, brightness, cleverness

(1) enrich my **intellect**, (2) human **intellect**

Your **intellect** is capable of distinguishing among similar objects.

## perspective

*n.* a confident attitude toward something; a particular style of thinking about something

*synonym*: viewpoint, standpoint, outlook

(1) a **perspective** view, (2) the **perspective** of the battle

His father's death changed his whole **perspective** on life.

## accomplishment

*n.* the successful completion of a task or goal; an ability that has been acquired by training

*synonym*: success, achievement, complete

(1) proud of his **accomplishments**, (2) the

**accomplishment** of a social goal

Graduating from college was a major **accomplishment** for her.

## maxim

*n.* a well-known phrase that expresses a general or fundamental truth, principle, or rule for behavior

*synonym*: adage, proverb, aphorism

(1) old **maxim**, (2) act upon a **maxim**

A good **maxim** is never out of season.

## cast

*v.* to cause light or shadow to appear on a surface; to assign or choose someone such as an actor or representative, especially by selection process

*synonym*: throw, project, select

(1) **cast** a ballot, (2) **cast** a charming eye

This accident **cast** a dark shadow over their lives.

## pursue

*v.* to do something or attempt to attain something over time; to follow or seek someone or something, especially in trying to catch them

*synonym*: seek, hunt, chase

(1) **pursue** a goal, (2) **pursue** freedoms

She intends to **pursue** a political career.



## Session 2: Spelling

- |                                |  |
|--------------------------------|--|
| 1. school c__m                 | <i>n.</i> a close friend; a companion; also refers to bait used in fishing to attract fish   |
| 2. en____le the lake           | <i>v.</i> to form a circle or ring around something or someone; to surround or encompass something or someone completely   |
| 3. or___n of information       | <i>n.</i> the first existence or beginning of something  |
| 4. pe____y into stone          | <i>v.</i> to turn to stone; to make hard and unyielding  |
| 5. the nature of met____cs     | <i>n.</i> the branch of philosophy that deals with the fundamental nature and the first principles of reality, including abstract concepts such as being, knowing, identity, time, and space |
| 6. virtue and v__e             | <i>n.</i> wrongdoing or wicked behavior; (in the form of vice versa) with the order reversed; (as a prefix) someone with a job immediately below a particular person                         |
| 7. ev___e                      | <i>v.</i> to develop gradually, or to cause the development of something or someone gradually  |
| 8. v__e-chair of the committee | <i>n.</i> wrongdoing or wicked behavior; (in the form of vice versa) with the order reversed; (as a prefix) someone with a job immediately below a particular person                         |

ANSWERS: 1. chum, 2. encircle, 3. origin, 4. petrify, 5. metaphysics, 6. vice, 7. evolve, 8. vice

- |   |   |
|---|---|
| 9. de__t on national TV                       | <i>n.</i> the first public performance of an artist or actor  |
| 10. co____e chemically with another substance | <i>v.</i> to join or merge to form a single thing or group  |
| 11. a gr__d meal                              | <i>adj.</i> important and large in size, scope, or extent   |
| 12. island ac_____on                          | <i>n.</i> the process of gradual growth or accumulation, particularly of layers or matter building up over time; the result of such a process     |
| 13. str_____al analyses                       | <i>adj.</i> associated with the way on construction or organization of anything   |
| 14. re___e an opponent                        | <i>v.</i> to say or prove that something is wrong or false  |
| 15. marine ge_____st                          | <i>n.</i> a scientist or specialist who studies geology   |
| 16. new c__m                                  | <i>n.</i> a close friend; a companion; also refers to bait used in fishing to attract fish  |
| 17. a mo___n image                            | <i>adj.</i> in a liquid state as a result of being heated   |
| 18. an_____y of a country's collapse          | <i>n.</i> the scientific study that deals with the physical structure of humans, animals, or plants   |
| 19. native to___e                             | <i>n.</i> a moveable mass of muscle tissue covered with mucous membrane that is in the mouth; a language  |
| 20. a passage from the Bi__e                  | <i>n.</i> the sacred writings of the Christian religions, consisting of the Old and New Testaments; a book regarded as authoritative in its field |

ANSWERS: 9. debut, 10. combine, 11. grand, 12. accretion, 13. structural, 14. refute, 15. geologist, 16. chum, 17. molten, 18. anatomy, 19. tongue, 20. bible

- |                                      |  |
|--------------------------------------|--|
| 21. human in_____ct                  | <i>n.</i> the ability to think logically and comprehend information, especially at an advanced level             |
| 22. animal an_____y                  | <i>n.</i> the scientific study that deals with the physical structure of humans, animals, or plants              |
| 23. gi__t tech company               | <i>adj.</i> enormous; much bigger or more important than similar items usually are                               |
| 24. pe_____y with fear               | <i>v.</i> to turn to stone; to make hard and unyielding  |
| 25. give a gue_____te                | <i>n.</i> an approximate calculation that is based more on guessing than on information                          |
| 26. the acc_____ent of a social goal | <i>n.</i> the successful completion of a task or goal; an ability that has been acquired by training             |
| 27. ex___d agricultural output       | <i>v.</i> to increase or to make something greater in size, number, or importance                                |
| 28. so__d ally                       | <i>adj.</i> hard or firm; characterized by good substantial quality  |
| 29. a wa___y fluid                   | <i>adj.</i> full of or containing water; wet   |
| 30. common in_____on                 | <i>n.</i> the creation of a new device or process resulting from study and experimentation; the act of inventing |
| 31. co_____e augmented reality       | <i>v.</i> to join or merge to form a single thing or group   |
| 32. the departed sa__t               | <i>n.</i> a person who is recognized as having an exceptional degree of holiness, virtue, or devotion            |

ANSWERS: 21. intellect, 22. anatomy, 23. giant, 24. petrify, 25. guesstimate, 26. accomplishment, 27. expand, 28. solid, 29. watery, 30. invention, 31. combine, 32. saint

33. cell and molecular bi\_\_\_\_y      *n.* the scientific study of life and the natural processes of living things
34. gravel se\_\_\_\_nt      *n.* the substance that forms a solid layer at the bottom of the liquid
35. qu\_\_e in his boots      *v.* to shake or vibrate violently and for a short time
36. so\_\_d employment measures      *adj.* hard or firm; characterized by good substantial quality
37. sk\_\_l fracture      *n.* a bone framework that surrounds the brain and gives the head its shape
38. the branch of neu\_\_\_\_nce      *n.* the scientific study of the function, structure, and disorder of the brain and the nervous system
39. go\_\_\_\_th artisan      *n.* a person who works in gold, creating items such as jewelry, coins, and other decorative items
40. exp\_\_\_\_tal design      *adj.* relating to or based on new ideas, forms, methods, etc. that have not been tried before, usually to find out what effect they have
41. she is ar\_\_\_\_ly the best singer      *adv.* used when expressing an opinion or idea that you believe can be proven true
42. in a cl\_\_\_\_r      *n.* to fill a room or place with so many items that it becomes messy
43. twisty ca\_\_\_\_n road      *n.* a large deep valley with very steep sides of rock and usually formed by a river
44. pu\_\_\_\_e freedoms      *v.* to do something or attempt to attain something over time; to follow or seek someone or something, especially in trying to catch them

ANSWERS: 33. biology, 34. sediment, 35. quake, 36. solid, 37. skull, 38. neuroscience, 39. goldsmith, 40. experimental, 41. arguably, 42. clutter, 43. canyon, 44. pursue

45. co\_\_s artillery *n.* a large group of people trained and organized for a particular purpose, such as the military or a performing arts troupe
46. experimentally obs\_\_\_\_\_le *adj.* that can be noticed or seen
47. evolutionary bi\_\_\_\_\_y *n.* the scientific study of life and the natural processes of living things
48. philosophical nat\_\_\_\_\_sm *n.* a philosophical belief that everything, including human behavior and cognition, can be explained solely by natural causes and laws
49. met\_\_\_\_\_cs study *n.* the branch of philosophy that deals with the fundamental nature and the first principles of reality, including abstract concepts such as being, knowing, identity, time, and space
50. 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
51. hor\_\_\_\_\_al stripes *adj.* parallel to the ground or in a baseline; being at the same level as all members of a group
52. po\_\_\_\_r divine matters *v.* to think deeply or carefully about something

ANSWERS: 45. corps, 46. observable, 47. biology, 48. naturalism, 49. metaphysics, 50. process, 51. horizontal, 52. ponder

- |                                     |   |
|-------------------------------------|---|
| 53. in an o_d way                   | <i>adj.</i> strange or unexpected; not divisible by two   |
| 54. sp_____te on the outcome        | <i>v.</i> to form a theory or conjecture or guess about a subject without solid evidence  |
| 55. se_____nt runoff                | <i>n.</i> the substance that forms a solid layer at the bottom of the liquid  |
| 56. the in_____on of new techniques | <i>n.</i> the creation of a new device or process resulting from study and experimentation; the act of inventing  |
| 57. break dis_____ne                | <i>n.</i> 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                           |
| 58. re_____le her mother            | <i>v.</i> to look like or be similar to someone or something  |
| 59. re___e the foolish idea         | <i>v.</i> to say or prove that something is wrong or false  |
| 60. old ma__m                       | <i>n.</i> a well-known phrase that expresses a general or fundamental truth, principle, or rule for behavior  |
| 61. ext_____on prevention           | <i>n.</i> the complete disappearance of a species from the earth  |
| 62. stellar ac_____on               | <i>n.</i> the process of gradual growth or accumulation, particularly of layers or matter building up over time; the result of such a process   |
| 63. marine str_____phy              | <i>n.</i> the scientific study and analysis of rock layers (strata) and their arrangement to understand the geological history of the Earth, often used in fields such as geology and archaeology |

ANSWERS: 53. odd, 54. speculate, 55. sediment, 56. invention, 57. discipline, 58. resemble, 59. refute, 60. maxim, 61. extinction, 62. accretion, 63. stratigraphy

64. go to a wa\_\_\_y grave *adj.* full of or containing water; wet
65. collision te\_\_\_\_\_cs *n.* the study of the processes that shape the Earth's surface, including the movements of tectonic plates, earthquakes, and volcanic activity
66. ar\_\_e passionately *v.* to express differing opinions or points of view, often in a heated or contentious manner; to present a case or reasoning to persuade or convince others
67. obs\_\_\_\_\_on instrument *n.* the act or activity of carefully examining or monitoring something or someone
68. obs\_\_\_\_\_le change *adj.* that can be noticed or seen
69. po\_\_\_r life's meaning *v.* to think deeply or carefully about something
70. en\_\_\_\_\_le the waist *v.* to form a circle or ring around something or someone; to surround or encompass something or someone completely
71. ex\_\_\_d a lineup *v.* to increase or to make something greater in size, number, or importance
72. a per\_\_\_\_\_ve view *n.* a confident attitude toward something; a particular style of thinking about something
73. gue\_\_\_\_\_te of the numbers involved *n.* an approximate calculation that is based more on guessing than on information
74. brink of ext\_\_\_\_\_on *n.* the complete disappearance of a species from the earth

ANSWERS: 64. watery, 65. tectonics, 66. argue, 67. observation, 68. observable, 69. ponder, 70. encircle, 71. expand, 72. perspective, 73. guesstimate, 74. extinction

75. an\_\_\_\_t stories *adj.* relating to the long ago, particularly the historical period preceding the fall of the Western Roman Empire; very old
76. racial or\_\_\_\_n *n.* the first existence or beginning of something
77. pl\_\_\_\_t like the Earth *n.* any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star
78. qu\_\_e with cold *v.* to shake or vibrate violently and for a short time
79. have the g\_\_l *n.* rudeness and the inability to understand that one's conduct or words are not acceptable to others; a feeling of deep and bitter anger and ill-will
80. 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
81. airborne co\_\_s *n.* a large group of people trained and organized for a particular purpose, such as the military or a performing arts troupe
82. c\_\_t a charming eye *v.* to cause light or shadow to appear on a surface; to assign or choose someone such as an actor or representative, especially by selection process
83. dry mouth with little sa\_\_\_\_a *n.* the clear liquid that is secreted into the mouth by glands in the walls of the mouth and throat, helping to lubricate food during chewing and digestion

ANSWERS: 75. ancient, 76. origin, 77. planet, 78. quake, 79. gall, 80. discipline, 81. corps, 82. cast, 83. saliva



84. m\_\_d allergy *n.* a hollow container used to give shape to liquid or soft substance, which then becomes solid in the same shape as the container; a soft, green, or gray growth that forms on stale food or objects exposed to warm, moist air for too long
85. gr\_\_d bargain *adj.* important and large in size, scope, or extent
86. the f\_\_k songs of a particular district *n.* people in general, especially those of a particular group or type
87. a fo\_\_\_l leaf *n.* any preserved remains, impression, or trace of any once-living thing that has become hard and turned into rock
88. the rem\_\_\_\_\_le breadth of knowledge *adj.* worthy of attention because unusual or special
89. local ge\_\_\_\_\_y *n.* a science that deals with the history of the earth as recorded in rocks
90. save the pl\_\_\_t *n.* any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star
91. t\_\_t a chair *v.* to incline or bend from a vertical position; (noun) the act of inclining or the state of being inclined or leaning to one side
92. de\_\_\_\_\_ty of character *n.* a physical abnormality or distortion
93. pre-Christian an\_\_\_\_\_t *adj.* relating to the long ago, particularly the historical period preceding the fall of the Western Roman Empire; very old

ANSWERS: 84. mold, 85. grand, 86. folk, 87. fossil, 88. remarkable, 89. geology, 90. planet, 91. tilt, 92. deformity, 93. ancient

94. dog's sa\_\_\_a *n.* the clear liquid that is secreted into the mouth by glands in the walls of the mouth and throat, helping to lubricate food during chewing and digestion
95. a casting m\_\_\_d *n.* a hollow container used to give shape to liquid or soft substance, which then becomes solid in the same shape as the container; a soft, green, or gray growth that forms on stale food or objects exposed to warm, moist air for too long
96. gi\_\_\_t trees *adj.* enormous; much bigger or more important than similar items usually are
97. act upon a ma\_\_\_m *n.* a well-known phrase that expresses a general or fundamental truth, principle, or rule for behavior
98. proud of his acc\_\_\_\_\_ents *n.* the successful completion of a task or goal; an ability that has been acquired by training
99. card sh\_\_\_k *n.* a long-bodied, mostly predatory marine fish that has sharp teeth and a pointed fin on its back; a person who is ruthless, greedy, and dishonest
100. catch the pl\_\_\_e *n.* any epidemic disease with a high death rate; (also called pest) a serious, sometimes fatal, infection spread by rats that causes fever and swellings on the body
101. er\_\_\_\_\_n control *n.* the wearing away of rock, soil, or land by natural processes such as wind or water

ANSWERS: 94. saliva, 95. mold, 96. giant, 97. maxim, 98. accomplishment, 99. shark, 100. plague, 101. erosion

102. dawn of a new e\_a *n.* a period that is distinct from others, typically in history
103. the function of the thyroid gl\_\_d *n.* a group of cells in an animal's body that produce substances needed by the body and release them through ducts or directly into the bloodstream
104. em\_\_\_\_\_al research *adj.* based on or verifiable by observation or experience rather than theory or pure logic
105. un\_\_\_\_\_ed opinion *adj.* free from prejudice or favoritism; fair and impartial in judgment and decision-making
106. ca\_\_\_n of skyscrapers *n.* a large deep valley with very steep sides of rock and usually formed by a river
107. plate te\_\_\_\_\_cs *n.* the study of the processes that shape the Earth's surface, including the movements of tectonic plates, earthquakes, and volcanic activity
108. str\_\_\_\_\_phy analysis *n.* the scientific study and analysis of rock layers (strata) and their arrangement to understand the geological history of the Earth, often used in fields such as geology and archaeology
109. sa\_\_t statue *n.* a person who is recognized as having an exceptional degree of holiness, virtue, or devotion
110. the e\_a of the Renaissance *n.* a period that is distinct from others, typically in history

ANSWERS: 102. era, 103. gland, 104. empirical, 105. unbiased, 106. canyon, 107. tectonics, 108. stratigraphy, 109. saint, 110. era

111. clear desk cl\_\_\_\_\_r  
*n.* to fill a room or place with so many items that it becomes messy
112. exp\_\_\_\_\_tal data  
*adj.* relating to or based on new ideas, forms, methods, etc. that have not been tried before, usually to find out what effect they have
113. ar\_\_e a case  
*v.* to express differing opinions or points of view, often in a heated or contentious manner; to present a case or reasoning to persuade or convince others
114. a man-eating sh\_\_k  
*n.* a long-bodied, mostly predatory marine fish that has sharp teeth and a pointed fin on its back; a person who is ruthless, greedy, and dishonest
115. un\_\_\_\_\_ed review  
*adj.* free from prejudice or favoritism; fair and impartial in judgment and decision-making
116. re\_\_\_\_\_on between cause and effect  
*n.* the way two persons or groups of people feel and act toward one another
117. to\_\_\_e cancer  
*n.* a moveable mass of muscle tissue covered with mucous membrane that is in the mouth; a language
118. ev\_\_\_\_\_on theory  
*n.* a gradual process of transformation of living things
119. pr\_\_\_\_\_le in business  
*n.* a fundamental law or truth that explains or controls how something happens or works
120. rem\_\_\_\_\_le achievement  
*adj.* worthy of attention because unusual or special

ANSWERS: 111. clutter, 112. experimental, 113. argue, 114. shark, 115. unbiased, 116. relation, 117. tongue, 118. evolution, 119. principle, 120. remarkable

121. stand a\_\_p *adv.* on, to, or at the top
122. pu\_\_\_e a goal *v.* to do something or attempt to attain something over time; to follow or seek someone or something, especially in trying to catch them
123. co\_\_\_\_\_t car *n.* an idea or principle associated with something abstract
124. class obs\_\_\_\_\_on day *n.* the act or activity of carefully examining or monitoring something or someone
125. planetary ge\_\_\_\_\_st *n.* a scientist or specialist who studies geology
126. breast d\_\_t *n.* a tube, pipe, or channel for conveying air, water, or other substances
127. ev\_\_\_e over the past decade *v.* to develop gradually, or to cause the development of something or someone gradually
128. g\_\_l and wormwood *n.* rudeness and the inability to understand that one's conduct or words are not acceptable to others; a feeling of deep and bitter anger and ill-will
129. deadly pl\_\_\_e *n.* any epidemic disease with a high death rate; (also called pest) a serious, sometimes fatal, infection spread by rats that causes fever and swellings on the body
130. ar\_\_\_\_\_ly the greatest discovery *adv.* used when expressing an opinion or idea that you believe can be proven true
131. pr\_\_\_\_\_le of treatment *n.* a fundamental law or truth that explains or controls how something happens or works

ANSWERS: 121. atop, 122. pursue, 123. concept, 124. observation, 125. geologist, 126. duct, 127. evolve, 128. gall, 129. plague, 130. arguably, 131. principle

132. the per\_\_\_\_\_ve of the battle      *n.* a confident attitude toward something; a particular style of thinking about something
133. 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
134. a mammary gl\_\_d      *n.* a group of cells in an animal's body that produce substances needed by the body and release them through ducts or directly into the bloodstream
135. believe Bi\_\_e prophecy      *n.* the sacred writings of the Christian religions, consisting of the Old and New Testaments; a book regarded as authoritative in its field
136. go\_\_\_\_\_th bank      *n.* a person who works in gold, creating items such as jewelry, coins, and other decorative items
137. re\_\_\_\_\_le each other      *v.* to look like or be similar to someone or something
138. nat\_\_\_\_\_sm in literature      *n.* a philosophical belief that everything, including human behavior and cognition, can be explained solely by natural causes and laws
139. on the t\_\_t      *v.* to incline or bend from a vertical position; (noun) the act of inclining or the state of being inclined or leaning to one side

ANSWERS: 132. perspective, 133. process, 134. gland, 135. bible, 136. goldsmith, 137. resemble, 138. naturalism, 139. tilt

140. f\_\_k art *n.* people in general, especially those of a particular group or type
141. critique of uni\_\_\_\_\_ism *n.* (of geology) the idea that the Earth's past geological changes can and should be explained by processes still in operation today, operating at similar intensities; any scenario where it's believed that processes operating in the past are like those that can be observed in the present
142. a prodigious vi\_\_\_n *n.* the ability to think about or see the future with imagination and intelligence; the faculty of being able to see
143. wind er\_\_\_\_\_n *n.* the wearing away of rock, soil, or land by natural processes such as wind or water
144. learn new co\_\_\_\_\_ts *n.* an idea or principle associated with something abstract
145. di\_\_\_\_\_t a personality *v.* to cut into pieces to study the structure of something in detail
146. de\_\_t performance *n.* the first public performance of an artist or actor
147. enforce rev\_\_\_\_\_ary justice *adj.* relating to or characterized by a complete or dramatic change
148. human ev\_\_\_\_\_on *n.* a gradual process of transformation of living things
149. su\_\_\_\_\_e a plane crash *v.* to live or exist despite a dangerous event or period
150. d\_\_t tape *n.* a tube, pipe, or channel for conveying air, water, or other substances

ANSWERS: 140. folk, 141. uniformitarianism, 142. vision, 143. erosion, 144. concept, 145. dissect, 146. debut, 147. revolutionary, 148. evolution, 149. survive, 150. duct

151. o\_d behavior *adj.* strange or unexpected; not divisible by two
152. c\_\_t a ballot *v.* to cause light or shadow to appear on a surface; to assign or choose someone such as an actor or representative, especially by selection process
153. burning of fo\_\_\_l fuels *n.* any preserved remains, impression, or trace of any once-living thing that has become hard and turned into rock
154. telescopic vi\_\_\_n *n.* the ability to think about or see the future with imagination and intelligence; the faculty of being able to see
155. have a thick sk\_\_l *n.* a bone framework that surrounds the brain and gives the head its shape
156. em\_\_\_\_\_al philosophy *adj.* based on or verifiable by observation or experience rather than theory or pure logic
157. di\_\_\_\_\_t the data *v.* to cut into pieces to study the structure of something in detail
158. de\_\_\_t the interest *v.* to take away an amount or part of the money, points, etc. from a total
159. ov\_\_\_\_\_le decision *v.* to make a decision or judgment that is different from an earlier one; to overturn or override a decision or action
160. su\_\_\_\_\_e a blizzard *v.* to live or exist despite a dangerous event or period
161. hor\_\_\_\_\_al lines *adj.* parallel to the ground or in a baseline; being at the same level as all members of a group

ANSWERS: 151. odd, 152. cast, 153. fossil, 154. vision, 155. skull, 156. empirical, 157. dissect, 158. deduct, 159. overrule, 160. survive, 161. horizontal



162. enrich my in\_\_\_\_\_ct *n.* the ability to think logically and comprehend information, especially at an advanced level
163. rev\_\_\_\_\_ary change *adj.* relating to or characterized by a complete or dramatic change
164. sp\_\_\_\_\_te about the reason *v.* to form a theory or conjecture or guess about a subject without solid evidence
165. bureau of ge\_\_\_\_\_y *n.* a science that deals with the history of the earth as recorded in rocks
166. de\_\_\_t \$100 from the price *v.* to take away an amount or part of the money, points, etc. from a total
167. physical de\_\_\_\_\_ty *n.* a physical abnormality or distortion
168. sit a\_\_p a stack of books *adv.* on, to, or at the top
169. str\_\_\_\_\_al reorganization *adj.* associated with the way on construction or organization of anything
170. a theoretical concept in neu\_\_\_\_\_nce *n.* the scientific study of the function, structure, and disorder of the brain and the nervous system
171. ov\_\_\_\_\_le judgment *v.* to make a decision or judgment that is different from an earlier one; to overturn or override a decision or action
172. mo\_\_\_n lava *adj.* in a liquid state as a result of being heated
173. uni\_\_\_\_\_ism theory *n.* (of geology) the idea that the Earth's past geological changes can and should be explained by processes still in operation today, operating at similar intensities; any scenario where it's believed that processes operating in the past are like those that can be observed in the present

ANSWERS: 162. intellect, 163. revolutionary, 164. speculate, 165. geology, 166. deduct, 167. deformity, 168. atop, 169. structural, 170. neuroscience, 171. overrule, 172. molten, 173. uniformitarianism

174. re\_\_\_\_on of inclusion

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

ANSWERS: 174. relation

## Session 3: Fill in the Blanks

1. The \_\_\_\_\_ leader inspired others to join the fight for freedom and democracy.  
*adj.* relating to or characterized by a complete or dramatic change
  
2. This accident \_\_\_\_\_ a dark shadow over their lives.  
*v.* to cause light or shadow to appear on a surface; to assign or choose someone such as an actor or representative, especially by selection process
  
3. It was the \_\_\_\_\_ of a dinosaur tooth.  
*n.* any preserved remains, impression, or trace of any once-living thing that has become hard and turned into rock
  
4. Archaeologists found a Neanderthal \_\_\_\_\_ at that historic site.  
*n.* a bone framework that surrounds the brain and gives the head its shape
  
5. The \_\_\_\_\_ metal was poured into the mold.  
*adj.* in a liquid state as a result of being heated
  
6. The adrenal \_\_\_\_\_ produce steroids.  
*n.* a group of cells in an animal's body that produce substances needed by the body and release them through ducts or directly into the bloodstream
  
7. The earthquake resulted in significant \_\_\_\_\_ destruction.  
*adj.* associated with the way on construction or organization of anything
  
8. The election was a \_\_\_\_\_ success for the Whigs.  
*adj.* worthy of attention because unusual or special

ANSWERS: 1. revolutionary, 2. cast, 3. fossil, 4. skull, 5. molten, 6. glands, 7. structural, 8. remarkable

9. Please make a quick \_\_\_\_\_ about the workload and cost.  
*n.* an approximate calculation that is based more on guessing than on information
10. The \_\_\_\_\_ jets gradually dominate the world's airlines.  
*adj.* enormous; much bigger or more important than similar items usually are
11. The faithful follower venerated the \_\_\_\_\_ relic.  
*n.* a person who is recognized as having an exceptional degree of holiness, virtue, or devotion
12. They hope to \_\_\_\_\_ their business worldwide.  
*v.* to increase or to make something greater in size, number, or importance
13. The \_\_\_\_\_ of the dinosaurs is thought to have been caused by an asteroid impact.  
*n.* the complete disappearance of a species from the earth
14. Heavy rain often washes away \_\_\_\_\_ of the river.  
*n.* the substance that forms a solid layer at the bottom of the liquid
15. They have been living near water since \_\_\_\_\_ times.  
*adj.* relating to the long ago, particularly the historical period preceding the fall of the Western Roman Empire; very old
16. The air \_\_\_\_\_ in the building needed to be cleaned to improve the air quality.  
*n.* a tube, pipe, or channel for conveying air, water, or other substances
17. Kant's thoughts provided the foundational ideas for treating \_\_\_\_\_ as a discipline.  
*n.* the branch of philosophy that deals with the fundamental nature and the first principles of reality, including abstract concepts such as being, knowing, identity, time, and space

ANSWERS: 9. guesstimate, 10. giant, 11. saint's, 12. expand, 13. extinction, 14. sediments, 15. ancient, 16. ducts, 17. metaphysics

18. The castle walls \_\_\_\_\_ the entire village for protection.
- v.* to form a circle or ring around something or someone; to surround or encompass something or someone completely
19. The dentist asked him to spit out the excess \_\_\_\_\_ into the sink.
- n.* the clear liquid that is secreted into the mouth by glands in the walls of the mouth and throat, helping to lubricate food during chewing and digestion
20. Our farm experienced a \_\_\_\_\_ of locusts this year.
- n.* any epidemic disease with a high death rate; (also called pest) a serious, sometimes fatal, infection spread by rats that causes fever and swellings on the body
21. Mercury is the closest \_\_\_\_\_ to the sun.
- n.* any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star
22. Driving is difficult for me because of my poor \_\_\_\_\_.
- n.* the ability to think about or see the future with imagination and intelligence; the faculty of being able to see
23. This year's \_\_\_\_\_ gathering will be held in Canada.
- adj.* important and large in size, scope, or extent
24. The judge \_\_\_\_\_ the objection and allowed the evidence to be presented.
- v.* to make a decision or judgment that is different from an earlier one; to overturn or override a decision or action
25. The soup was too \_\_\_\_\_ and needed more flavor.
- adj.* full of or containing water; wet

ANSWERS: 18. encircled, 19. saliva, 20. plague, 21. planet, 22. vision, 23. grand, 24. overruled, 25. watery

26. His grandfather was an \_\_\_\_ man.

*adj.* strange or unexpected; not divisible by two

27. The \_\_\_\_\_ diagram displayed in the museum helps visitors understand the various epochs in Earth's history.

*n.* the scientific study and analysis of rock layers (strata) and their arrangement to understand the geological history of the Earth, often used in fields such as geology and archaeology

28. The brothers \_\_\_\_\_ each other in the hobby.

*v.* to look like or be similar to someone or something

29. Students have loved this textbook for many years as a biology \_\_\_\_\_.

*n.* the sacred writings of the Christian religions, consisting of the Old and New Testaments; a book regarded as authoritative in its field

30. He sometimes recalls \_\_\_\_ past mistakes.

*n.* rudeness and the inability to understand that one's conduct or words are not acceptable to others; a feeling of deep and bitter anger and ill-will

31. Global \_\_\_\_\_ plays a critical role in the formation of mountain ranges and the movement of Earth's crustal plates.

*n.* the study of the processes that shape the Earth's surface, including the movements of tectonic plates, earthquakes, and volcanic activity

32. He is \_\_\_\_\_ regarded as the finest actor of his generation.

*adv.* used when expressing an opinion or idea that you believe can be proven true

33. The \_\_\_\_\_ album of the band was a success.

*n.* the first public performance of an artist or actor

ANSWERS: 26. odd, 27. stratigraphy, 28. resemble, 29. bible, 30. gall, 31. tectonics, 32. arguably, 33. debut

34. 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
35. She intends to \_\_\_\_\_ a political career.  
*v.* to do something or attempt to attain something over time; to follow or seek someone or something, especially in trying to catch them
36. 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
37. These issues baffled \_\_\_\_\_ for many years.  
*n.* a scientist or specialist who studies geology
38. Necessity is the mother of \_\_\_\_\_.  
*n.* the creation of a new device or process resulting from study and experimentation; the act of inventing
39. Efficiency isn't an essential \_\_\_\_\_ here; fairness is.  
*n.* a fundamental law or truth that explains or controls how something happens or works
40. The skilled \_\_\_\_\_ was renowned for his intricate jewelry designs and high-quality craftsmanship.  
*n.* a person who works in gold, creating items such as jewelry, coins, and other decorative items
41. He was a visiting \_\_\_\_\_ professor at the University of Tokyo.  
*n.* a science that deals with the history of the earth as recorded in rocks

ANSWERS: 34. biology, 35. pursue, 36. process, 37. geologists, 38. invention, 39. principle, 40. goldsmith, 41. geology

42. The scientific method is often seen as an embodiment of \_\_\_\_\_ as it seeks to understand the natural world through observation and experimentation.
- n.* a philosophical belief that everything, including human behavior and cognition, can be explained solely by natural causes and laws
43. He presented a \_\_\_\_\_ approach to understanding the sedimentary layers in the region.
- n.* (of geology) the idea that the Earth's past geological changes can and should be explained by processes still in operation today, operating at similar intensities; any scenario where it's believed that processes operating in the past are like those that can be observed in the present
44. Hydrogen and oxygen \_\_\_\_\_ to form water.
- v.* to join or merge to form a single thing or group
45. One such rapidly growing \_\_\_\_\_ is quantum cryptography.
- n.* an idea or principle associated with something abstract
46. Cats hate dogs and \_\_\_\_\_ versa.
- n.* wrongdoing or wicked behavior; (in the form of vice versa) with the order reversed; (as a prefix) someone with a job immediately below a particular person
47. He accused the tenants of leaving \_\_\_\_\_ and breaking the security camera.
- n.* to fill a room or place with so many items that it becomes messy
48. A good \_\_\_\_\_ is never out of season.
- n.* a well-known phrase that expresses a general or fundamental truth, principle, or rule for behavior

ANSWERS: 42. naturalism, 43. uniformitarianism-based, 44. combine, 45. concept, 46. vice, 47. clutter, 48. maxim



49. The latest experimental results have \_\_\_\_\_ the previous speculation.

*v.* to say or prove that something is wrong or false

50. Graduating from college was a major \_\_\_\_\_ for her.

*n.* the successful completion of a task or goal; an ability that has been acquired by training

51. The eagle perched \_\_\_\_\_ the tallest tree in the forest.

*adv.* on, to, or at the top

52. Your \_\_\_\_\_ is capable of distinguishing among similar objects.

*n.* the ability to think logically and comprehend information, especially at an advanced level

53. In the hospital, she will remain under constant \_\_\_\_\_.

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

54. Mushrooms and \_\_\_\_\_ are fungi.

*n.* a hollow container used to give shape to liquid or soft substance, which then becomes solid in the same shape as the container; a soft, green, or gray growth that forms on stale food or objects exposed to warm, moist air for too long

55. The earth began to \_\_\_\_\_ and he knew he had to leave the building immediately.

*v.* to shake or vibrate violently and for a short time

56. These birds can only \_\_\_\_\_ in temperate climates.

*v.* to live or exist despite a dangerous event or period

ANSWERS: 49. refuted, 50. accomplishment, 51. atop, 52. intellect, 53. observation, 54. mold, 55. quake, 56. survive

57. 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

58. The product is still in the \_\_\_\_\_ stage.

- adj.* relating to or based on new ideas, forms, methods, etc. that have not been tried before, usually to find out what effect they have

59. Some seaweed was used as \_\_\_\_\_ medicine in ancient times.

- n.* people in general, especially those of a particular group or type

60. He \_\_\_\_\_ that this investment would lead to success.

- v.* to form a theory or conjecture or guess about a subject without solid evidence

61. Eyeless fish \_\_\_\_\_ in dark caves.

- v.* to develop gradually, or to cause the development of something or someone gradually

62. He borrowed money from a loan \_\_\_\_\_.

- n.* a long-bodied, mostly predatory marine fish that has sharp teeth and a pointed fin on its back; a person who is ruthless, greedy, and dishonest

63. The bank \_\_\_\_\_ the premium amount from his bank account.

- v.* to take away an amount or part of the money, points, etc. from a total

64. The Grand \_\_\_\_\_ has an awe-inspiring sight.

- n.* a large deep valley with very steep sides of rock and usually formed by a river

65. He always had a \_\_\_\_\_ to play with when he was a child.

- n.* a close friend; a companion; also refers to bait used in fishing to attract fish

ANSWERS: 57. discipline, 58. experimental, 59. folk, 60. speculated, 61. evolved, 62. shark, 63. deducted, 64. Canyon, 65. chum

66. The \_\_\_\_\_ of water is called ice.

*adj.* hard or firm; characterized by good substantial quality

67. The study's results were based on \_\_\_\_\_ evidence gathered from extensive research.

*adj.* based on or verifiable by observation or experience rather than theory or pure logic

68. The \_\_\_\_\_ arrived at the front lines just in time to reinforce the exhausted soldiers.

*n.* a large group of people trained and organized for a particular purpose, such as the military or a performing arts troupe

69. The \_\_\_\_\_ is boneless, but it is as strong as bones.

*n.* a moveable mass of muscle tissue covered with mucous membrane that is in the mouth; a tongue

70. The \_\_\_\_\_ of the coastline has accelerated due to rising sea levels.

*n.* the wearing away of rock, soil, or land by natural processes such as wind or water

71. The \_\_\_\_\_ in the steel beam caused the bridge to collapse.

*n.* a physical abnormality or distortion

72. Any theorem relies on both \_\_\_\_\_ fact and assumption.

*adj.* that can be noticed or seen

73. The rock was formed by the slow \_\_\_\_\_ of sediments over millions of years.

*n.* the process of gradual growth or accumulation, particularly of layers or matter building up over time; the result of such a process

ANSWERS: 66. solid-state, 67. empirical, 68. corps, 69. tongue, 70. erosion, 71. deformity, 72. observable, 73. accretion

74. The couple began to \_\_\_\_\_ over which restaurant to go to for dinner.  
*v.* to express differing opinions or points of view, often in a heated or contentious manner; to present a case or reasoning to persuade or convince others
75. She \_\_\_\_\_ her head to the side, indicating she was listening.  
*v.* to incline or bend from a vertical position; (noun) the act of inclining or the state of being inclined or leaning to one side
76. Airplanes need \_\_\_\_\_ tails to improve stability.  
*adj.* parallel to the ground or in a baseline; being at the same level as all members of a group
77. The thought of public speaking will \_\_\_\_\_ her.  
*v.* to turn to stone; to make hard and unyielding
78. The professor explained the \_\_\_\_\_ of the nervous system.  
*n.* the scientific study that deals with the physical structure of humans, animals, or plants
79. 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
80. She sat quietly, \_\_\_\_\_ the difficult decision.  
*v.* to think deeply or carefully about something
81. The judge has a reputation for being fair and \_\_\_\_\_ in his rulings.  
*adj.* free from prejudice or favoritism; fair and impartial in judgment and decision-making

ANSWERS: 74. argue, 75. tilted, 76. horizontal, 77. petrify, 78. anatomy, 79. relations, 80. pondering, 81. unbiased

82. There are various hypotheses concerning the \_\_\_\_\_ of life.  
*n.* the first existence or beginning of something
83. 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
84. The scientist \_\_\_\_\_ the frog to study its internal organs.  
*v.* to cut into pieces to study the structure of something in detail
85. His father's death changed his whole \_\_\_\_\_ on life.  
*n.* a confident attitude toward something; a particular style of thinking about something
86. Political corruption was common throughout the postwar \_\_\_\_\_.  
*n.* a period that is distinct from others, typically in history
87. They study the \_\_\_\_\_ of the universe.  
*n.* a gradual process of transformation of living things

ANSWERS: 82. origin, 83. neuroscience, 84. dissected, 85. perspective, 86. era, 87. evolution