

# Englist.me



## Vocabulary Builder Reference from...

*Benoit Mandelbrot: Fractals and the art of roughness |*

*TED Talk*

[https://www.ted.com/talks/benoit\\_mandelbrot\\_fractals](https://www.ted.com/talks/benoit_mandelbrot_fractals_and_the_art_of_roughness)

[\\_and\\_the\\_art\\_of\\_roughness](https://www.ted.com/talks/benoit_mandelbrot_fractals_and_the_art_of_roughness)

### All Words

#### IMPORTANT

This material is a commentary and does not contain any copyrighted material of the reference source.

We strongly recommend accessing/buying the reference source at the same time.

## Session 1: Word List

### excuse

*n.* a reason or explanation, either true or invented, given to justify a fault or defend your behavior; (verb) to make someone free from blame or clear from guilt

*synonym*: apology, justification, reason

(1) **excuse** for inaction, (2) perfect **excuse**

He quickly fabricated an **excuse** for not attending the meeting.

### topic

*n.* a subject that is being discussed or written about

*synonym*: subject, theme, issue

(1) a serious **topic**, (2) the **topic** of the book

The **topic** of the discussion was the current state of the economy.

### discuss

*v.* to talk about or examine in detail through conversation or debate; to exchange ideas, opinions, or information on a particular topic

*synonym*: talk about, converse, debate

(1) **discuss** options, (2) **discuss** solutions

We need to **discuss** the next steps for the project during our meeting tomorrow.

## peculiar

*adj.* odd and uncommon, sometimes in an unpleasant way  
*synonym* : bizarre, abnormal, odd

(1) **peculiar** way, (2) **peculiar** people

The juice has a **peculiar** taste.

## rough

*adj.* not quite exact or correct; having or caused by an irregular surface

*synonym* : inelegant, coarse, barbarian

(1) **rough** and tough, (2) **rough** estimation

The vehicle bounced along the **rough** mountain road.

## 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.

## controllable

*adj.* able to be controlled or directed

*synonym* : manageable, governable, submissive

(1) computer- **controllable**, (2) **controllable** aircraft

The new software is much more **controllable** and user-friendly.

## extreme

*adj.* very great in amount or degree

*synonym* : farthestmost, outermost, fierce

(1) **extreme** sports, (2) **extreme** weather events

Solar gravity creates **extreme** pressures and temperatures.

## complexity

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

*synonym* : intricacy, sophistication, elaboration

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

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

## **mess**

*n.* a state of confusion, dirtiness, or untidiness; (verb) to fail to do something or to make something dirty or untidy

*synonym* : disarray, confusion, predicament

(1) have a whole **mess**, (2) get into a **mess**

He made a frightful **mess** in his room.

## **fluke**

*n.* a stroke of luck or chance, often resulting in a positive outcome or unexpected success; an accidental or unplanned occurrence

*synonym* : chance, accident, stroke of luck

(1) lucky **fluke**, (2) **fluke** accident

Winning the lottery was just a **fluke**; I didn't expect it to happen.

## **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.

## **utter**

*adj.* complete, total, or absolute; said, done, or experienced without any exceptions or qualifications; spoken aloud or enunciated very clearly and distinctly; (verb) to speak or articulate words, sounds, or a voice

*synonym* : absolute, complete, total

(1) **utter** nonsense, (2) **utter** a big sigh

The **utter** chaos of the concert crowd made it seem like a wild animal was in the room.

## **amazement**

*n.* a state of great surprise or wonder caused by something extraordinary or unexpected

*synonym* : astonishment, wonder, surprise

(1) express **amazement**, (2) feeling of **amazement**

The magician's disappearing act left the audience in **amazement**.

## trace

v. to find or discover someone or something that was lost  
*synonym*: seek, follow, depict

(1) **trace** a telephone call, (2) **trace** back to medieval times  
Let's **trace** the origins of some familiar foreign words.

## 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.

## prefer

v. to like, choose, or want one thing or person better than another

*synonym*: choose, like, favor

(1) **prefer** physics to chemistry, (2) **prefer** a window seat  
The birds **prefer** open water areas with reeds around them.

## irregular

adj. not having an even or balanced shape or arrangement; contrary to the usual rule, accepted order, or what is expected

*synonym*: periodic, rare, inconsistent

(1) **irregular** verbs, (2) **irregular** periods

Driving was difficult on the **irregular** cobblestoned surface.

## contrary

n. acting in opposition to what is expected or desired

*synonym*: opposing, contradictory, conflicting

(1) the clear **contrary**, (2) **contrary** evidence

The two sides argued their points, but the judge ultimately sided with the **contrary** viewpoint.

## regularity

n. the quality or state of being done often; conformity to a set of rules, standards, or expectations; the state of occurring with a consistent or predictable pattern or frequency

*synonym*: consistency, uniformity, regularness

(1) the **regularity** of his breathing, (2) sleep **regularity**  
The **regularity** of exercise is important for maintaining good health.

## aspect

*n.* one part or feature of a situation, problem, subject, etc.  
*synonym*: characteristic, element, factor

(1) nontechnical **aspects** of the job, (2) **aspects** of social, political, and economic life

His professional experience includes all **aspects** of media production.

## artificial

*adj.* not natural and made by human beings; not real but produced to resemble something

*synonym*: synthetic, man-made, manufactured

(1) **artificial** flowers, (2) **artificial** environment

The **artificial** intelligence system has revolutionized the way we live and work.

## cauliflower

*n.* a vegetable that belongs to the same family as broccoli and cabbage, characterized by a compact head of central florets surrounded by green leaves, commonly used in cooking and preparation of various cuisines

(1) **cauliflower** cheese, (2) **cauliflower** curry

I love to roast **cauliflower** with garlic and olive oil for a healthy side dish.

## ordinary

*adj.* not different, exceptional, or unexpected in any way, especially in quality, ability, size, or degree

*synonym*: mundane, prosaic, average

(1) an **ordinary** school, (2) **ordinary** annual revenue

The **ordinary** session of the Diet opened.

## 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.

### **weigh**

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

*synonym*: consider, cogitate, count

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

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

### **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?

### **floret**

*n.* a small or individual flower, especially one of the many small flowers making up a composite flower head, such as those found in the daisy or sunflower family

*synonym*: blossom, bud, bloom

(1) small **floret**, (2) colorful **floret**

The chef garnished the dish with a delicate **floret** of broccoli.

### **separate**

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

*synonym*: disunite, isolate, ramify

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

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

### **humanity**

*n.* all people living on the earth; the quality or state of being human rather than an animal, a machine, etc.

*synonym*: humankind, society, human race

(1) **humanity** at large, (2) mass of **humanity**

They donated large sums of money for the development of **humanity**.

## property

*n.* a thing or things that belong to someone

*synonym*: belongings, possessions, equity

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

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

## bug

*n.* any tiny insect; a fault or defect in a computer program, system, or machine

*synonym*: insect, bacterium, microbe

(1) **bug** bites, (2) number of **bug** fixes

I found a stink **bug** crawling across the ceiling.

## curve

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

*synonym*: bend, arc, turn

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

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

## numb

*adj.* unable to feel physical sensation and movement; not showing human feeling or sensitivity

*synonym*: dazed, insensitive, emotionless

(1) **numb** with cold, (2) a **numb** mind

My left arm became **numb**.

## denote

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

*synonym*: indicate, signify, represent

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

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

## hasten

*v.* to move or act quickly; to cause or encourage something to happen sooner or more rapidly; to accelerate or speed up

*synonym*: accelerate, hurry, rush

(1) **hasten** the process, (2) **hasten** the arrival

I need to **hasten** my speed to finish the race on time.

## landscape

*n.* an expanse of scenery that can be seen in a single view; a large area of land, especially in the country and relating to its appearance

*synonym*: geography, terrain, topography

(1) a peaceful **landscape**, (2) **landscape** painting

Recent electoral shocks have shaken the political **landscape** in Europe.

## 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.

## quest

*n.* a long or challenging search for something

*synonym*: exploration, inquisition, pursuit

(1) the **quest** for truth, (2) on a **quest** for happiness

That adventurer traveled in **quest** of buried treasure.

## 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.

## coastline

*n.* the particular shape of the coast (= the shore of a sea or ocean) as seen from the sea

*synonym*: shoreline, seashore, beach

(1) **coastline** erosion, (2) deeply indented **coastline**

The new resort was built along the **coastline**, offering



stunning ocean views from every room.

## 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.

## fallacy

*n.* a mistaken belief, idea, or argument that is not supported by facts or evidence; a deceptive or misleading statement or belief

*synonym*: falsity, misconception, delusion

(1) **fallacy** of logic, (2) belief in a **fallacy**

Many people cling to the **fallacy** that they can get rich quickly, despite all evidence.

## surprisingly

*adv.* in a way that causes amazement or wonder

*synonym*: exceptionally, notably, unusually

(1) **surprisingly** advanced culture, (2) have **surprisingly** little effect

The exam was **surprisingly** tricky for everyone.

## 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**.

## 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**.

## crank

*n.* a mechanical device that converts rotary motion into linear motion or vice versa; an eccentric or unpredictable person

*synonym*: eccentric, oddball, kook

(1) **crank** handle, (2) **crank** caller

The fishing reel had a **crank** that made it easy to reel in the catch.

### time-consuming

*adj.* requiring a significant amount of time or effort to complete

*synonym*: lengthy, prolonged, protracted

(1) **time-consuming** project, (2) **time-consuming** process

Writing a research paper can be a **time-consuming** task.

### lung

*n.* either of the two organs in the chest that people and some animals use for breathing

(1) **lung** capacity, (2) do **lung** transplantation

He has terminal **lung** cancer.

### volume

*n.* the amount of space occupied by an object or substance; the magnitude of sound

*synonym*: capacity, amount, intensity

(1) **volume** of work, (2) high **volume**

This container has a **volume** of 10 cubic meters.

### 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.

### 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.

### norm

*n.* something that is regarded as usual, typical, or standard

*synonym*: criterion, mean, standard

(1) **norm** of action, (2) cultural **norm**

The systems we have developed has accepted as industry **norms**.

## enormous

*adj.* extremely large or great

*synonym* : huge, giant, gigantic

(1) **enormous** amount, (2) **enormous** potential

Shakespeare's output of poetry was **enormous**.

## disagree

*v.* to have or express a different opinion, idea, etc.

*synonym* : discord, oppose, dissent

(1) **disagree** about a particular issue, (2) **disagree** with a plan

I **disagree** for reasons already stated above.

## define

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

*synonym* : characterize, depict, express

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

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

## bronchus

*n.* (in the plural, "bronchi") either of the two main branches of the trachea that lead to the lungs and distribute air to the bronchioles and alveoli

*synonym* : bronchi, airway, tube

(1) left **bronchus**, (2) **bronchus** wall

Smoking damages the **bronchus** and increases the risk of lung cancer.

## 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.

## 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.

## consideration

*n.* the act or process of giving careful thought to something; a fee charged in advance to retain the services of someone

*synonym*: debate, regard, deliberation

(1) mature **consideration**, (2) take into **consideration**

We can rule this possibility out from our **consideration**.

## mucus

*n.* a slimy liquid produced inside the nose and other body parts for lubrication, protection, etc.

*synonym*: secretion, slime, saliva

(1) airway **mucus**, (2) nasal **mucus**

When the body temperature drops, **mucus** secretion fails.

## whale

*n.* a very large sea mammal that has a streamlined body and breathes through a blowhole on the head; a very large person; impressive in size or qualities

*synonym*: porpoise, giant

(1) a bull **whale**, (2) **whale** watching

Some countries have a culture of eating the flesh of a **whale**.

## rodent

*n.* a small, gnawing mammal, such as a mouse, rat, or squirrel, that has sharp incisors and typically has a long, thin tail

*synonym*: mouse, rat, hamster

(1) **rodent** repellent, (2) prevent **rodent** damage

He set up a trap to catch the **rodent**.

## 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.

## 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.

## 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**.

## surgeon

*n.* a doctor who is trained to perform medical operations that involve cutting open a person's body

*synonym*: sawbones, doctor

(1) an excellent brain **surgeon**, (2) army **surgeon**

He is a skilled **surgeon** that has many years of training and experience.

## kidney

*n.* either of a pair of small organs in the body that filter waste products, especially urea, from the blood and excrete them and water in urine

(1) an artificial **kidney**, (2) chronic **kidney** disease

The surgeon removed the healthy **kidney** from the donor.

## geometry

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

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

The mathematician pioneered fractal **geometry**.

## construct

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

*synonym*: build, assemble, create

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

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

## repeatedly

*adv.* again and again; many times

*synonym*: frequently, over and over, constantly

(1) use cell phone **repeatedly**, (2) **repeatedly** nod

He claims that his legitimate requests were **repeatedly** ignored.

## repetition

*n.* the act of doing or saying something many times

*synonym*: duplication, iteration, recurrence

(1) **repetition** of the word, (2) habitual **repetition**

**Repetition** is the mother of all learning.

## unstable

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

*synonym*: shaky, unbalanced, inconsistent

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

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

## 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.

## explanation

*n.* the information or arguments that someone provides to make something understandable or clear

*synonym*: description, elucidation, account

(1) the **explanation** for the failure, (2) detailed **explanation**

The following **explanation** is currently being used to explain the phenomenon in question.

**seer**

*n.* someone who is believed to have the power of prophecy or foretelling the future; a prophet or fortune-teller

*synonym*: prophet, oracle, visionary

(1) **seer** stone, (2) famous **seer**

The wise old **seer** instructed the young prince to rule his kingdom.

**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.

**phenomenon**

*n.* something that exists and can be perceptible, especially one that is not fully understood

*synonym*: marvel, wonder, splendor

(1) natural **phenomenon**, (2) historical **phenomenon**

A rainbow is a natural **phenomenon**.

**shatter**

*v.* to break suddenly into many pieces

*synonym*: break, crash, destroy

(1) **shatter** the plate, (2) **shatter** a world record

Her husband's death **shattered** her life entirely.

**appreciate**

*v.* to value and acknowledge the worth of someone or something; to be grateful for something or someone

*synonym*: acknowledge, admire, enjoy

(1) **appreciate** her feedback, (2) **appreciate** the value

We would **appreciate** an early reply.

**praise**

*n.* an expression that shows approval and admiration of the achievements or characteristics of someone or something

*synonym*: acclaim, honor, commendation

(1) attain critical **praise**, (2) universal **praise**

The drama series mainly received **praise**.

## extent

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

(1) certain **extent**, (2) the **extent** of the damage  
I was amazed at the **extent** of her generosity.

## absolutely

*adv.* without restriction or limitation; completely or utterly  
*synonym* : completely, utterly, definitely

(1) **absolutely** against, (2) **absolutely** obsessed with the girl  
I am **absolutely** opposed to his idea because of morality.

## extraordinary

*adj.* exceptional, unexpected, very unusual; surpassing the ordinary or usual

*synonym* : exceptional, noteworthy, astonishing

(1) **extraordinary** ability, (2) **extraordinary** weather  
He narrated the **extraordinary** story of his adventure.

## purity

*n.* the state of being undiluted or unmixed with anything else; the state of being free from immorality, especially of a sexual nature

*synonym* : sinlessness, innocence, cleanliness

(1) the degree of **purity**, (2) high **purity**  
Higher **purity** requires additional equipment and energy.

## introduction

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

*synonym* : initiation, preamble, prologue

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

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

## visible

*adj.* capable of being seen; or open to easy view

*synonym* : clear, observable, seeable



(1) **visible** stars, (2) **visible** by X-ray  
My home is easily **visible** from the shore.

## measurement

*n.* the act or process of finding something's size, quantity, or degree

*synonym*: calculation, dimensions, size

(1) chest **measurement**, (2) a precise **measurement**  
The **measurement** error of this industrial machine is less than one micrometer.

## algae

*n.* A simple plant that grows in or near water and lacks typical leaves and roots

(1) **algae** biofuel, (2) blue **algae**  
**Algae** has jammed the inlet to the water turbine.

## fractal

*n.* a complex geometric pattern or shape that repeats itself on smaller and smaller scales, often occurring in nature or mathematical equations

*synonym*: pattern, design, geometry

(1) **fractal** pattern, (2) **fractal** art  
The coastline of Norway is one of the most famous examples of **fractal** geometry in nature.

## tower

*n.* a structure that is exceptionally high in proportion to its width and either forms part of a building or stands alone

*synonym*: building, belfry, edifice

(1) a bell **tower**, (2) the **tower** on a cliff  
She is a **tower** of strength for our team in trouble.

## astonishing

*adj.* surprising or shocking; difficult to believe

*synonym*: surprising, shocking, astounding

(1) **astonishing** achievement, (2) make **astonishing** gains  
The news of her sudden death was **astonishing** to everyone who knew her.

## loop

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

*synonym* : circle, curl, spiral

(1) exit from a **loop**, (2) positive feedback **loop**

Many people in this city use the **loop** railway for transportation.

## 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.

## halfway

*adj.* in or at a point midway or an equal distance between two points

*synonym* : middle, median, center

(1) **halfway** through my journey, (2) **halfway** decent job

The famous restaurant stands **halfway** up the hill.

## dramatically

*adv.* in a very impressive manner

*synonym* : greatly, noticeably, suddenly

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

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

## 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.

## assistant

*n.* someone who helps or supports someone else to do a job

*synonym* : aide, helper, associate

(1) an unwilling **assistant**, (2) **assistant** professor

An executive **assistant** director administers each branch.

## measured

*adj.* done with careful consideration or calculated precision; controlled or regulated in manner or speech; deliberate and thoughtful

*synonym* : calculated, deliberate, thought-out

(1) **measured** analysis, (2) **measured** tone of voice

Her **measured** response to the criticism showed her ability to remain calm and composed under pressure.

## motto

*n.* a phrase or slogan that expresses a guiding principle or goal

*synonym* : slogan, catchphrase, phrase

(1) the **motto** for safe traffic, (2) company **motto**

The company's **motto** is "Innovation and Service," which is reflected in its products and customer support.

## incomplete

*adj.* not having all the necessary or appropriate parts; not yet finished

*synonym* : undone, unfinished, insufficient

(1) **incomplete** information, (2) customer with **incomplete** credit histories

The researcher criticized the study due to **incomplete** data.

## proof

*n.* a fact or piece of information that shows something is true or exists

*synonym* : testimony, evidence, assurance

(1) documentary **proof**, (2) a geometric **proof**

**Proof** is better than argument.

## medal

*n.* a flat, usually circular piece of metal or other material that is often given as an award or commemoration for an achievement, victory, or honor

*synonym* : award, decoration, badge

(1) gold **medal**, (2) a prize **medal**

She was proud to receive a **medal** for her hard work and dedication to the sport.

## mechanical

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

*synonym*: machinelike, automated, automatic

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

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

## 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.

## geography

*n.* a field of science devoted to the study of the lands, features, inhabitants, and phenomena of the Earth

*synonym*: landscape, terrain, topography

(1) **geography** class, (2) economic **geography**

She did well on her **geography** exam.

## physicist

*n.* a scientist who specializes in the field of physics

(1) talented **physicist**, (2) theoretical **physicist**

Einstein was an outstanding and famous **physicist** of the 20th century.

## oddly

*adv.* in a way that is unexpected, strange, or peculiar

*synonym*: strangely, peculiarly, weirdly

(1) behave **oddly**, (2) **oddly** familiar

He walked into the party with an **oddly** dressed companion, causing everyone to stare.

## increment

*n.* a regular increase in the amount of something, such as money; a process of becoming larger, longer, or more important

*synonym*: increase, expansion, addendum

(1) steady **incremental** growth, (2) small **increments**

The bid **increment** for this auction is \$100.

## fashionable

*adj.* popular at a particular time

*synonym*: chic, stylish, trendy

(1) **fashionable** designs, (2) **fashionable** café

Lengthened skirts are **fashionable** this year.

## forgery

*n.* the act of creating a fake or false document, object, or currency to deceive or defraud others; the item that has been created in such a way

*synonym*: counterfeit, fake, imitation

(1) **forgery** scam, (2) passport **forgery**

The art museum was forced to close down temporarily due to concerns over **forgery** in their collection.

## variation

*n.* the act or state of changing; a difference or change in the way something is done, made or said

*synonym*: fluctuation, change, variance

(1) **variation** of temperature, (2) gene **variation**

There is a lot of **variation** in the colors of flowers in the garden.

## discontinue

*v.* to cease or stop doing something; to interrupt or terminate something that is already ongoing or in progress

*synonym*: halt, end, cease

(1) **discontinue** a service, (2) **discontinue** a project

The company has decided to **discontinue** the production of its unpopular product line.

## nuisance

*n.* something or someone that causes annoyance, inconvenience, or discomfort; an unpleasant or irritating thing or person

*synonym*: bother, annoyance, disturbance

(1) traffic **nuisance**, (2) **nuisance** call

The barking dog next door is becoming quite a **nuisance**.

## nonsense

*n.* an idea, behavior, or something spoken or written that has no meaning or makes no sense or that is silly or unacceptable

*synonym* : ludicrousness, gabble, absurdity

(1) talk **nonsense**, (2) sheer **nonsense**

The parents spoke to their children in no- **nonsense** tones.

## attach

*v.* to fasten, join, or connect one thing to another

*synonym* : fix, fasten, bind

(1) **attach** firmly, (2) **attach** a file to an e-mail

He does not **attach** importance to these rumors.

## adolescent

*n.* a young person who is in the process of developing from a child into an adult

*synonym* : teen, preadult, youth

(1) **adolescent** girl, (2) pre- **adolescent** children

Timely education about birth control might help reduce **adolescent** pregnancies.

## germ

*n.* a very tiny living that causes the disease; a piece of something such as an organism, concept, etc., capable of growing into a new one or part of one

*synonym* : bacterium, microbe, pathogen

(1) antibiotic-resistant **germ**, (2) a **germ-free** environment

The **germ** of his idea came from watching birds flying in flocks.

## occupation

*n.* a person's job or profession; the act of taking possession

*synonym* : job, profession, vocation

(1) **occupation** disease, (2) **occupation** of a building

The police stopped the suspicious person and asked him to give his name, address, and **occupation**.

## vanish

*v.* disappear or stop being present or existing suddenly and completely

*synonym* : disappear, go away, evaporate

(1) **vanish** into thin air, (2) **vanish** amid the crowd  
Two months later, my tumor **vanished** utterly.

## prominent

*adj.* important, well-known, or noticeable

*synonym*: notable, distinguished, eye-catching

(1) **prominent** figure, (2) play a **prominent** role

The media frequently interviewed **prominent** scientists.

## wiggle

*v.* to move or cause to move up and down or from side to side in short and quick movements

*synonym*: jiggle, squirm, jerk

(1) **wiggle** her lips, (2) **wiggle** with excitement

Her hips **wiggle** as she walks.

## 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.

## complication

*n.* something that makes a situation or condition that is complex or confused

*synonym*: confusion, complexity, difficulty

(1) **complication** of structure, (2) resolve without **complication**

He also continued to struggle with serious long-term **complications**.

## 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**.

## marvel

*n.* someone something that causes feelings of wonder or surprise

*synonym*:

wonder, phenomenon, amazement

(1) a **marvel** of beauty, (2) technical **marvel**

The space shuttle is a modern engineering **marvel**.

## harmony

*n.* the combination of simultaneous musical notes to produce a pleasing effect; an attractive combination of related things and their properties

*synonym*: balance, accord, congruence

(1) a **harmony** of colors, (2) break a **harmony**

We worked in perfect **harmony**.

## 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**.

## baroque

*adj.* of or relating to an ornate and elaborate style of art, architecture, and music that flourished in Europe in the late 16th and early 17th centuries; characterized by a sense of grandeur and drama

*synonym*: ornate, elaborate, decorative

(1) **baroque** music, (2) **baroque** architecture

The ornate architecture of the palace is a perfect example of the **baroque** style.

## decoration

*n.* the act of adding something that is intended to make something more attractive; an award or honor that is given to someone in recognition of their achievements

*synonym*: adornment, ornament, embellishment

(1) colorful **decorations**, (2) chocolate **decorations** for cakes

The room was filled with beautiful **decorations** for the wedding reception.



## symbol

*n.* something visible that is used to represent something else

*synonym*: mark, character, insignia

(1) **symbol** color, (2) **symbol** for happiness

The dragon is considered a **symbol** of bravery.

## plot

*n.* a secret plan or scheme to achieve a specific goal; the plan or main story of a literary work; (verb) to plan secretly, usually something illegal

*synonym*: scheme, plan, design

(1) **plot** twist, (2) **plot** a revolution

The **plot** of the novel centers around a group of friends who uncover a conspiracy to control the world's water supply.

## emphasize

*v.* to give or show particular importance to something

*synonym*: highlight, accentuate, stress

(1) **emphasize** her words, (2) **emphasize** a direct relationship

Use italics or capitals to **emphasize** a word in a piece of writing.

## pilot

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

*synonym*: aviator, flyer, chief

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

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

## 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.

## extraterrestrial

*adj.* relating to or existing outside of the Earth's atmosphere or planetary boundaries; pertaining to beings or phenomena that originate from beyond the Earth

*synonym* : alien, outer, otherworldly

(1) **extraterrestrial** planet, (2) **extraterrestrial** intelligence

Scientists are constantly searching for signs of **extraterrestrial** life in the universe.

## Session 2: Spelling

1. 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
2. steady in\_\_\_\_\_ntal growth  
*n.* a regular increase in the amount of something, such as money; a process of becoming larger, longer, or more important
3. vo\_\_\_\_\_e of work  
*n.* the amount of space occupied by an object or substance; the magnitude of sound
4. me\_\_\_\_\_ed analysis  
*adj.* done with careful consideration or calculated precision; controlled or regulated in manner or speech; deliberate and thoughtful
5. sur\_\_\_\_\_gly advanced culture  
*adv.* in a way that causes amazement or wonder
6. fo\_\_\_\_\_y scam  
*n.* the act of creating a fake or false document, object, or currency to deceive or defraud others; the item that has been created in such a way
7. pre-Christian an\_\_\_\_\_t  
*adj.* relating to the long ago, particularly the historical period preceding the fall of the Western Roman Empire; very old
8. a com\_\_\_\_\_ed process  
*adj.* involving a lot of different things or parts in a way that is difficult to understand or analyze

ANSWERS: 1. distance, 2. increment, 3. volume, 4. measured, 5. surprisingly, 6. forgery, 7. ancient, 8. complicated

9. tim\_\_\_\_\_ing process *adj.* requiring a significant amount of time or effort to complete
10. company mo\_\_o *n.* a phrase or slogan that expresses a guiding principle or goal
11. di\_\_\_\_s options *v.* to talk about or examine in detail through conversation or debate; to exchange ideas, opinions, or information on a particular topic
12. me\_\_\_\_\_ed tone of voice *adj.* done with careful consideration or calculated precision; controlled or regulated in manner or speech; deliberate and thoughtful
13. customer with inc\_\_\_\_\_te credit histories *adj.* not having all the necessary or appropriate parts; not yet finished
14. structural fo\_\_\_\_\_a *n.* a group of symbols, letters, or numbers that represent a rule, law, or mathematical statement
15. 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
16. his conclusion was ob\_\_\_\_\_s *adj.* easy to see, discover or understand
17. ado\_\_\_\_\_nt girl *n.* a young person who is in the process of developing from a child into an adult
18. blue al\_\_e *n.* A simple plant that grows in or near water and lacks typical leaves and roots
19. va\_\_\_h amid the crowd *v.* disappear or stop being present or existing suddenly and completely

ANSWERS: 9. time-consuming, 10. motto, 11. discuss, 12. measured, 13. incomplete, 14. formula, 15. argue, 16. obvious, 17. adolescent, 18. algae, 19. vanish

20. en\_\_\_\_er shortage *n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software
21. chocolate dec\_\_\_\_\_ons for cakes *n.* the act of adding something that is intended to make something more attractive; an award or honor that is given to someone in recognition of their achievements
22. v\_\_y according to the age *v.* to become different in terms of size, shape, etc.
23. su\_\_\_\_\_e beforehand *v.* to think that something is likely to be actual or possible
24. animal an\_\_\_\_\_y *n.* the scientific study that deals with the physical structure of humans, animals, or plants
25. pe\_\_\_\_\_ar way *adj.* odd and uncommon, sometimes in an unpleasant way
26. occ\_\_\_\_\_on disease *n.* a person's job or profession; the act of taking possession
27. la\_\_\_\_\_pe painting *n.* an expanse of scenery that can be seen in a single view; a large area of land, especially in the country and relating to its appearance
28. the reg\_\_\_\_\_ty of his breathing *n.* the quality or state of being done often; conformity to a set of rules, standards, or expectations; the state of occurring with a consistent or predictable pattern or frequency
29. cr\_\_k caller *n.* a mechanical device that converts rotary motion into linear motion or vice versa; an eccentric or unpredictable person

ANSWERS: 20. engineer, 21. decoration, 22. vary, 23. suppose, 24. anatomy, 25. peculiar, 26. occupation, 27. landscape, 28. regularity, 29. crank

30. natural phe\_\_\_\_\_on *n.* something that exists and can be perceptible, especially one that is not fully understood
31. 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
32. fl\_\_e accident *n.* a stroke of luck or chance, often resulting in a positive outcome or unexpected success; an accidental or unplanned occurrence
33. prevent ro\_\_\_t damage *n.* a small, gnawing mammal, such as a mouse, rat, or squirrel, that has sharp incisors and typically has a long, thin tail
34. army su\_\_\_\_\_n *n.* a doctor who is trained to perform medical operations that involve cutting open a person's body
35. wi\_\_\_e her lips *v.* to move or cause to move up and down or from side to side in short and quick movements
36. l\_\_g capacity *n.* either of the two organs in the chest that people and some animals use for breathing
37. a bull wh\_\_e *n.* a very large sea mammal that has a streamlined body and breathes through a blowhole on the head; a very large person; impressive in size or qualities
38. historical phe\_\_\_\_\_on *n.* something that exists and can be perceptible, especially one that is not fully understood

ANSWERS: 30. phenomenon, 31. equation, 32. fluke, 33. rodent, 34. surgeon, 35. wiggle, 36. lung, 37. whale, 38. phenomenon

39. take into con\_\_\_\_\_ion *n.* the act or process of giving careful thought to something; a fee charged in advance to retain the services of someone
40. pr\_\_\_\_\_nt figure *adj.* important, well-known, or noticeable
41. ha\_\_\_\_\_y decent job *adj.* in or at a point midway or an equal distance between two points
42. cau\_\_\_\_\_er curry *n.* a vegetable that belongs to the same family as broccoli and cabbage, characterized by a compact head of central florets surrounded by green leaves, commonly used in cooking and preparation of various cuisines
43. ha\_\_\_\_\_y through my journey *adj.* in or at a point midway or an equal distance between two points
44. a binomial fo\_\_\_\_\_a *n.* a group of symbols, letters, or numbers that represent a rule, law, or mathematical statement
45. universal pr\_\_\_\_\_e *n.* an expression that shows approval and admiration of the achievements or characteristics of someone or something
46. al\_\_\_\_e biofuel *n.* A simple plant that grows in or near water and lacks typical leaves and roots
47. airway mu\_\_\_\_s *n.* a slimy liquid produced inside the nose and other body parts for lubrication, protection, etc.
48. have sur\_\_\_\_\_gly little effect *adv.* in a way that causes amazement or wonder

ANSWERS: 39. consideration, 40. prominent, 41. halfway, 42. cauliflower, 43. halfway, 44. formula, 45. praise, 46. algae, 47. mucus, 48. surprisingly

49. app\_\_\_\_\_te her feedback      *v.* to value and acknowledge the worth of someone or something; to be grateful for something or someone
50. de\_\_\_e a negative affect      *v.* to indicate or represent something; to serve as a symbol or sign of something; to express or designate a meaning or concept
51. sy\_\_\_l color      *n.* something visible that is used to represent something else
52. yield cu\_\_\_e      *n.* a bend or angle in a line or surface that deviates from a straight or flat path; a gradual or smooth change in direction or shape
53. certain ex\_\_\_t      *n.* the point or degree or area to which something extends
54. nasal mu\_\_\_s      *n.* a slimy liquid produced inside the nose and other body parts for lubrication, protection, etc.
55. a geometric pr\_\_\_f      *n.* a fact or piece of information that shows something is true or exists
56. on a qu\_\_\_t for happiness      *n.* a long or challenging search for something
57. the cabin pressure fell dra\_\_\_\_\_lly      *adv.* in a very impressive manner
58. a precise mea\_\_\_\_\_nt      *n.* the act or process of finding something's size, quantity, or degree
59. passport fo\_\_\_\_\_y      *n.* the act of creating a fake or false document, object, or currency to deceive or defraud others; the item that has been created in such a way

ANSWERS: 49. appreciate, 50. denote, 51. symbol, 52. curve, 53. extent, 54. mucus, 55. proof, 56. quest, 57. dramatically, 58. measurement, 59. forgery



60. become increasingly com\_\_\_\_\_ed     *adj.* involving a lot of different things or parts in a way that is difficult to understand or analyze
61. tim\_\_\_\_\_ing project     *adj.* requiring a significant amount of time or effort to complete
62. break a ha\_\_\_\_\_y     *n.* the combination of simultaneous musical notes to produce a pleasing effect; an attractive combination of related things and their properties
63. the to\_\_r on a cliff     *n.* a structure that is exceptionally high in proportion to its width and either forms part of a building or stands alone
64. s\_\_r stone     *n.* someone who is believed to have the power of prophecy or foretelling the future; a prophet or fortune-teller
65. mat\_\_\_\_\_cs competition     *n.* the science dealing with the logic of quantities, shapes, spaces, and arrangement
66. va\_\_\_h into thin air     *v.* disappear or stop being present or existing suddenly and completely
67. p\_\_t a revolution     *n.* a secret plan or scheme to achieve a specific goal; the plan or main story of a literary work; (verb) to plan secretly, usually something illegal
68. colorful fl\_\_\_t     *n.* a small or individual flower, especially one of the many small flowers making up a composite flower head, such as those found in the daisy or sunflower family

ANSWERS: 60. complicated, 61. time-consuming, 62. harmony, 63. tower, 64. seer, 65. mathematics, 66. vanish, 67. plot, 68. floret

69. dis\_\_\_\_\_sh these two things      *v.* to notice or understand the difference between two people or things
70. nontechnical as\_\_\_ts of the job      *n.* one part or feature of a situation, problem, subject, etc.
71. as\_\_\_\_\_nt professor      *n.* someone who helps or supports someone else to do a job
72. he confessed dra\_\_\_\_\_lly      *adv.* in a very impressive manner
73. a good grounding in mat\_\_\_\_\_cs      *n.* the science dealing with the logic of quantities, shapes, spaces, and arrangement
74. a prize me\_\_\_l      *n.* a flat, usually circular piece of metal or other material that is often given as an award or commemoration for an achievement, victory, or honor
75. nu\_\_\_\_\_ce call      *n.* something or someone that causes annoyance, inconvenience, or discomfort; an unpleasant or irritating thing or person
76. dis\_\_\_\_\_ue a service      *v.* to cease or stop doing something; to interrupt or terminate something that is already ongoing or in progress
77. number of b\_g fixes      *n.* any tiny insect; a fault or defect in a computer program, system, or machine
78. belief in a fa\_\_\_\_\_y      *n.* a mistaken belief, idea, or argument that is not supported by facts or evidence; a deceptive or misleading statement or belief
79. co\_\_\_\_\_ct a 3D image      *v.* to build or create something; to assemble or combine different parts to form something whole

ANSWERS: 69. distinguish, 70. aspect, 71. assistant, 72. dramatically, 73. mathematics, 74. medal, 75. nuisance, 76. discontinue, 77. bug, 78. fallacy, 79. construct

80. cau\_\_\_\_\_er cheese *n.* a vegetable that belongs to the same family as broccoli and cabbage, characterized by a compact head of central florets surrounded by green leaves, commonly used in cooking and preparation of various cuisines
81. fas\_\_\_\_\_le caf  *adj.* popular at a particular time
82. left br\_\_\_\_\_us *n.* (in the plural, "bronchi") either of the two main branches of the trachea that lead to the lungs and distribute air to the bronchioles and alveoli
83. un\_\_\_\_\_le weather *adj.* lacking solidity, persistence, or firmness and therefore not strong, safe, or likely to continue; lacking control of one's emotions
84. lucky fl\_\_e *n.* a stroke of luck or chance, often resulting in a positive outcome or unexpected success; an accidental or unplanned occurrence
85. deeply indented co\_\_\_\_\_ne *n.* the particular shape of the coast (= the shore of a sea or ocean) as seen from the sea
86. common in\_\_\_\_\_on *n.* the creation of a new device or process resulting from study and experimentation; the act of inventing
87. ut\_\_r a big sigh *adj.* complete, total, or absolute; said, done, or experienced without any exceptions or qualifications; spoken aloud or enunciated very clearly and distinctly; (verb) to speak or articulate words, sounds, or a voice

ANSWERS: 80. cauliflower, 81. fashionable, 82. bronchus, 83. unstable, 84. fluke, 85. coastline, 86. invention, 87. utter

88. di\_\_\_\_\_ee with a plan      *v.* to have or express a different opinion, idea, etc.
89. the characters that re\_\_\_\_\_nt numbers      *v.* to speak, act, or be present on behalf of another person or group; to form or constitute
90. ba\_\_\_\_\_e architecture      *adj.* of or relating to an ornate and elaborate style of art, architecture, and music that flourished in Europe in the late 16th and early 17th centuries; characterized by a sense of grandeur and drama
91. co\_\_\_\_\_ct a dam      *v.* to build or create something; to assemble or combine different parts to form something whole
92. abs\_\_\_\_\_ly obsessed with the girl      *adv.* without restriction or limitation; completely or utterly
93. 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
94. an artificial ki\_\_\_\_y      *n.* either of a pair of small organs in the body that filter waste products, especially urea, from the blood and excrete them and water in urine
95. ob\_\_\_\_\_s reasons      *adj.* easy to see, discover or understand
96. racial or\_\_\_\_n      *n.* the first existence or beginning of something
97. ro\_\_h and tough      *adj.* not quite exact or correct; having or caused by an irregular surface
98. n\_\_m of action      *n.* something that is regarded as usual, typical, or standard

ANSWERS: 88. disagree, 89. represent, 90. baroque, 91. construct, 92. absolutely, 93. argue, 94. kidney, 95. obvious, 96. origin, 97. rough, 98. norm

99. sheer no\_\_\_\_\_se *n.* an idea, behavior, or something spoken or written that has no meaning or makes no sense or that is silly or unacceptable
100. co\_\_\_\_\_ne erosion *n.* the particular shape of the coast (= the shore of a sea or ocean) as seen from the sea
101. de\_\_\_e my position *v.* to state or explain precisely the nature, scope, or meaning of something
102. pr\_\_\_r physics to chemistry *v.* to like, choose, or want one thing or person better than another
103. the mo\_\_\_o for safe traffic *n.* a phrase or slogan that expresses a guiding principle or goal
104. occ\_\_\_\_\_on of a building *n.* a person's job or profession; the act of taking possession
105. en\_\_\_\_\_us potential *adj.* extremely large or great
106. the qu\_\_\_t for truth *n.* a long or challenging search for something
107. com\_\_\_\_\_ty theory *n.* the state or quality of being complicated or intricate and difficult to understand
108. gene va\_\_\_\_\_on *n.* the act or state of changing; a difference or change in the way something is done, made or said
109. at\_\_\_h a file to an e-mail *v.* to fasten, join, or connect one thing to another
110. computer-con\_\_\_\_\_ble *adj.* able to be controlled or directed
111. im\_\_\_\_\_ry number *adj.* existing only in someone's mind

ANSWERS: 99. nonsense, 100. coastline, 101. define, 102. prefer, 103. motto, 104. occupation, 105. enormous, 106. quest, 107. complexity, 108. variation, 109. attach, 110. controllable, 111. imaginary

112. ad\_\_\_\_\_e the technology *v.* to go or move forward; to develop in a positive way
113. em\_\_\_\_\_ze her words *v.* to give or show particular importance to something
114. ir\_\_\_\_\_ar periods *adj.* not having an even or balanced shape or arrangement; contrary to the usual rule, accepted order, or what is expected
115. di\_\_\_\_\_ee about a particular issue *v.* to have or express a different opinion, idea, etc.
116. play a pr\_\_\_\_\_nt role *adj.* important, well-known, or noticeable
117. use cell phone rep\_\_\_\_\_ly *adv.* again and again; many times
118. or\_\_\_\_n of information *n.* the first existence or beginning of something
119. n\_\_b with cold *adj.* unable to feel physical sensation and movement; not showing human feeling or sensitivity
120. mass of hu\_\_\_\_\_ty *n.* all people living on the earth; the quality or state of being human rather than an animal, a machine, etc.
121. an excellent brain su\_\_\_\_\_n *n.* a doctor who is trained to perform medical operations that involve cutting open a person's body
122. su\_\_\_\_\_e you're right *v.* to think that something is likely to be actual or possible
123. a ma\_\_\_\_l of beauty *n.* someone something that causes feelings of wonder or surprise
124. 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

ANSWERS: 112. advance, 113. emphasize, 114. irregular, 115. disagree, 116. prominent, 117. repeatedly, 118. origin, 119. numb, 120. humanity, 121. surgeon, 122. suppose, 123. marvel, 124. decide

125. make ast\_\_\_\_\_ng gains *adj.* surprising or shocking; difficult to believe
126. rep\_\_\_\_\_ly nod *adv.* again and again; many times
127. documentary pr\_\_f *n.* a fact or piece of information that shows something is true or exists
128. dis\_\_\_\_\_sh man from the other animals *v.* to notice or understand the difference between two people or things
129. 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
130. at\_\_\_h firmly *v.* to fasten, join, or connect one thing to another
131. the to\_\_c of the book *n.* a subject that is being discussed or written about
132. learn new co\_\_\_\_\_ts *n.* an idea or principle associated with something abstract
133. v\_\_y directly with the price *v.* to become different in terms of size, shape, etc.
134. pr\_\_\_r a window seat *v.* to like, choose, or want one thing or person better than another
135. art\_\_\_\_\_al environment *adj.* not natural and made by human beings; not real but produced to resemble something
136. have a whole m\_\_s *n.* a state of confusion, dirtiness, or untidiness; (verb) to fail to do something or to make something dirty or untidy
137. sh\_\_\_\_\_r the plate *v.* to break suddenly into many pieces

ANSWERS: 125. astonishing, 126. repeatedly, 127. proof, 128. distinguish, 129. structure, 130. attach, 131. topic, 132. concept, 133. vary, 134. prefer, 135. artificial, 136. mess, 137. shatter

138. do l\_\_g transplantation *n.* either of the two organs in the chest that people and some animals use for breathing
139. we\_\_h heavily on stock prices *v.* to have a particular weight; to carefully evaluate things before making a conclusion
140. self-int\_\_\_\_\_ion *n.* a preliminary explanation or remarks given before the start of a text, performance, or event; the act of bringing something new into existence or introducing something to a wider audience or new market
141. se\_\_\_\_\_te cream from milk *v.* to force, take, or pull apart; mark as different
142. ir\_\_\_\_\_ar verbs *adj.* not having an even or balanced shape or arrangement; contrary to the usual rule, accepted order, or what is expected
143. ba\_\_\_\_\_e music *adj.* of or relating to an ornate and elaborate style of art, architecture, and music that flourished in Europe in the late 16th and early 17th centuries; characterized by a sense of grandeur and drama
144. dis\_\_\_\_\_ue a project *v.* to cease or stop doing something; to interrupt or terminate something that is already ongoing or in progress
145. cr\_\_k handle *n.* a mechanical device that converts rotary motion into linear motion or vice versa; an eccentric or unpredictable person

ANSWERS: 138. lung, 139. weigh, 140. introduction, 141. separate, 142. irregular, 143. baroque, 144. discontinue, 145. crank



146. co\_\_\_\_ry evidence *n.* acting in opposition to what is expected or desired
147. technical ma\_\_\_\_l *n.* someone something that causes feelings of wonder or surprise
148. p\_\_t twist *n.* a secret plan or scheme to achieve a specific goal; the plan or main story of a literary work; (verb) to plan secretly, usually something illegal
149. fas\_\_\_\_le designs *adj.* popular at a particular time
150. se\_\_\_\_te video into chapter *v.* to force, take, or pull apart; mark as different
151. a mec\_\_\_\_al style of writing *adj.* operated by a machine, relating to or concerned with machinery or tools
152. small in\_\_\_\_nts *n.* a regular increase in the amount of something, such as money; a process of becoming larger, longer, or more important
153. pe\_\_\_\_ar people *adj.* odd and uncommon, sometimes in an unpleasant way
154. hu\_\_\_\_ty at large *n.* all people living on the earth; the quality or state of being human rather than an animal, a machine, etc.
155. 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
156. im\_\_\_\_ry pregnancy *adj.* existing only in someone's mind

ANSWERS: 146. contrary, 147. marvel, 148. plot, 149. fashionable, 150. separate, 151. mechanical, 152. increment, 153. peculiar, 154. humanity, 155. distance, 156. imaginary

157. abs\_\_\_\_\_ly against *adv.* without restriction or limitation; completely or utterly
158. ext\_\_\_\_\_ary weather *adj.* exceptional, unexpected, very unusual; surpassing the ordinary or usual
159. sleep reg\_\_\_\_\_ty *n.* the quality or state of being done often; conformity to a set of rules, standards, or expectations; the state of occurring with a consistent or predictable pattern or frequency
160. the most am\_\_\_\_\_g feeling *adj.* extremely surprising, especially in a way that you like or admire
161. int\_\_\_\_\_ion education *n.* a preliminary explanation or remarks given before the start of a text, performance, or event; the act of bringing something new into existence or introducing something to a wider audience or new market
162. ro\_\_\_t repellent *n.* a small, gnawing mammal, such as a mouse, rat, or squirrel, that has sharp incisors and typically has a long, thin tail
163. chemical pr\_\_\_\_\_ty *n.* a thing or things that belong to someone
164. express am\_\_\_\_\_nt *n.* a state of great surprise or wonder caused by something extraordinary or unexpected
165. a g\_\_m-free environment *n.* a very tiny living that causes the disease; a piece of something such as an organism, concept, etc., capable of growing into a new one or part of one

ANSWERS: 157. absolutely, 158. extraordinary, 159. regularity, 160. amazing, 161. introduction, 162. rodent, 163. property, 164. amazement, 165. germ

166. positive feedback l\_\_p *n.* a shape like a curve or a circle made by something long and thin, such as a piece of string, that bends round and crosses itself
167. sh\_\_\_\_r a world record *v.* to break suddenly into many pieces
168. a ha\_\_\_\_y of colors *n.* the combination of simultaneous musical notes to produce a pleasing effect; an attractive combination of related things and their properties
169. sy\_\_\_l for happiness *n.* something visible that is used to represent something else
170. 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
171. perfect ex\_\_\_e *n.* a reason or explanation, either true or invented, given to justify a fault or defend your behavior; (verb) to make someone free from blame or clear from guilt
172. pre-ado\_\_\_\_nt children *n.* a young person who is in the process of developing from a child into an adult
173. high vo\_\_\_e *n.* the amount of space occupied by an object or substance; the magnitude of sound
174. br\_\_\_h office *n.* a division of a tree or woody shrub that grows out from the trunk or a main stem; a division of some larger or more complex organization

ANSWERS: 166. loop, 167. shatter, 168. harmony, 169. symbol, 170. discovery, 171. excuse, 172. adolescent, 173. volume, 174. branch

175. Euclidean ge\_\_\_\_ry *n.* the area of pure mathematics that deals with the points, lines, curves, and surfaces
176. detailed exp\_\_\_\_\_on *n.* the information or arguments that someone provides to make something understandable or clear
177. the ex\_\_\_t of the damage *n.* the point or degree or area to which something extends
178. a man of pr\_\_\_\_ty *n.* a thing or things that belong to someone
179. co\_\_\_\_\_t car *n.* an idea or principle associated with something abstract
180. theoretical ph\_\_\_\_\_st *n.* a scientist who specializes in the field of physics
181. famous s\_\_r *n.* someone who is believed to have the power of prophecy or foretelling the future; a prophet or fortune-teller
182. vi\_\_\_\_\_e stars *adj.* capable of being seen; or open to easy view
183. an\_\_\_\_\_y of a country's collapse *n.* the scientific study that deals with the physical structure of humans, animals, or plants
184. ext\_\_\_\_\_ial intelligence *adj.* relating to or existing outside of the Earth's atmosphere or planetary boundaries; pertaining to beings or phenomena that originate from beyond the Earth
185. tr\_\_e back to medieval times *v.* to find or discover someone or something that was lost

ANSWERS: 175. geometry, 176. explanation, 177. extent, 178. property, 179. concept, 180. physicist, 181. seer, 182. visible, 183. anatomy, 184. extraterrestrial, 185. trace

186. fr\_\_\_\_l pattern *n.* a complex geometric pattern or shape that repeats itself on smaller and smaller scales, often occurring in nature or mathematical equations
187. high pu\_\_\_\_y *n.* the state of being undiluted or unmixed with anything else; the state of being free from immorality, especially of a sexual nature
188. am\_\_\_\_g advances *adj.* extremely surprising, especially in a way that you like or admire
189. an\_\_\_\_t stories *adj.* relating to the long ago, particularly the historical period preceding the fall of the Western Roman Empire; very old
190. a peaceful la\_\_\_\_pe *n.* an expanse of scenery that can be seen in a single view; a large area of land, especially in the country and relating to its appearance
191. mature con\_\_\_\_ion *n.* the act or process of giving careful thought to something; a fee charged in advance to retain the services of someone
192. ext\_\_\_\_ary ability *adj.* exceptional, unexpected, very unusual; surpassing the ordinary or usual
193. ha\_\_\_\_n the process *v.* to move or act quickly; to cause or encourage something to happen sooner or more rapidly; to accelerate or speed up
194. a civil en\_\_\_\_er *n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software

ANSWERS: 186. fractal, 187. purity, 188. amazing, 189. ancient, 190. landscape, 191. consideration, 192. extraordinary, 193. hasten, 194. engineer

195. antibiotic-resistant g\_\_m *n.* a very tiny living that causes the disease; a piece of something such as an organism, concept, etc., capable of growing into a new one or part of one
196. the clear co\_\_\_\_ry *n.* acting in opposition to what is expected or desired
197. pi\_\_t production *n.* a person who flies an aircraft, especially as a job; a person qualified to guide ships through a difficult area of water
198. talk no\_\_\_\_se *n.* an idea, behavior, or something spoken or written that has no meaning or makes no sense or that is silly or unacceptable
199. in\_\_\_\_e a high degree of risk *v.* to include or affect someone or something as a necessary part of something else
200. talented ph\_\_\_\_st *n.* a scientist who specializes in the field of physics
201. behave od\_\_y *adv.* in a way that is unexpected, strange, or peculiar
202. fr\_\_\_\_l art *n.* a complex geometric pattern or shape that repeats itself on smaller and smaller scales, often occurring in nature or mathematical equations
203. economic ge\_\_\_\_hy *n.* a field of science devoted to the study of the lands, features, inhabitants, and phenomena of the Earth
204. cognitive com\_\_\_\_ty *n.* the state or quality of being complicated or intricate and difficult to understand

ANSWERS: 195. germ, 196. contrary, 197. pilot, 198. nonsense, 199. involve, 200. physicist, 201. oddly, 202. fractal, 203. geography, 204. complexity

205. rep\_\_\_\_\_on of the word *n.* the act of doing or saying something many times
206. ro\_\_h estimation *adj.* not quite exact or correct; having or caused by an irregular surface
207. colorful dec\_\_\_\_\_ons *n.* the act of adding something that is intended to make something more attractive; an award or honor that is given to someone in recognition of their achievements
208. app\_\_\_\_\_te the value *v.* to value and acknowledge the worth of someone or something; to be grateful for something or someone
209. mentally un\_\_\_\_\_le *adj.* lacking solidity, persistence, or firmness and therefore not strong, safe, or likely to continue; lacking control of one's emotions
210. attain critical pr\_\_\_\_e *n.* an expression that shows approval and admiration of the achievements or characteristics of someone or something
211. spherical ge\_\_\_\_\_ry *n.* the area of pure mathematics that deals with the points, lines, curves, and surfaces
212. pr\_\_\_\_\_le in business *n.* a fundamental law or truth that explains or controls how something happens or works
213. ut\_\_r nonsense *adj.* complete, total, or absolute; said, done, or experienced without any exceptions or qualifications; spoken aloud or enunciated very clearly and distinctly; (verb) to speak or articulate words, sounds, or a voice

ANSWERS: 205. repetition, 206. rough, 207. decoration, 208. appreciate, 209. unstable, 210. praise, 211. geometry, 212. principle, 213. utter

214. the degree of pu\_\_\_y                      *n.* the state of being undiluted or unmixed with anything else; the state of being free from immorality, especially of a sexual nature
215. fa\_\_\_\_\_y of logic                      *n.* a mistaken belief, idea, or argument that is not supported by facts or evidence; a deceptive or misleading statement or belief
216. de\_\_\_e a question                      *v.* to make up someone's mind about something; to come to a conclusion or judgment after considering options
217. or\_\_\_\_\_ry annual revenue                      *adj.* not different, exceptional, or unexpected in any way, especially in quality, ability, size, or degree
218. 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
219. an or\_\_\_\_\_ry school                      *adj.* not different, exceptional, or unexpected in any way, especially in quality, ability, size, or degree
220. di\_\_\_\_\_s solutions                      *v.* to talk about or examine in detail through conversation or debate; to exchange ideas, opinions, or information on a particular topic
221. gold me\_\_l                      *n.* a flat, usually circular piece of metal or other material that is often given as an award or commemoration for an achievement, victory, or honor
222. an unwilling as\_\_\_\_\_nt                      *n.* someone who helps or supports someone else to do a job

ANSWERS: 214. purity, 215. fallacy, 216. decide, 217. ordinary, 218. discovery, 219. ordinary, 220. discuss, 221. medal, 222. assistant



223. ext\_\_\_\_\_ial planet *adj.* relating to or existing outside of the Earth's atmosphere or planetary boundaries; pertaining to beings or phenomena that originate from beyond the Earth
224. feeling of am\_\_\_\_\_nt *n.* a state of great surprise or wonder caused by something extraordinary or unexpected
225. 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
226. ad\_\_\_\_\_e a cooperative relationship *v.* to go or move forward; to develop in a positive way
227. cultural n\_\_m *n.* something that is regarded as usual, typical, or standard
228. 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
229. the exp\_\_\_\_\_on for the failure *n.* the information or arguments that someone provides to make something understandable or clear
230. re\_\_\_\_\_nt by a diagram *v.* to speak, act, or be present on behalf of another person or group; to form or constitute
231. a test pi\_\_t *n.* a person who flies an aircraft, especially as a job; a person qualified to guide ships through a difficult area of water

ANSWERS: 223. extraterrestrial, 224. amazement, 225. branch, 226. advance, 227. norm, 228. equation, 229. explanation, 230. represent, 231. pilot

232. wi\_\_\_e with excitement      *v.* to move or cause to move up and down or from side to side in short and quick movements
233. com\_\_\_\_\_ion of structure      *n.* something that makes a situation or condition that is complex or confused
234. ha\_\_\_n the arrival      *v.* to move or act quickly; to cause or encourage something to happen sooner or more rapidly; to accelerate or speed up
235. em\_\_\_\_\_ze a direct relationship      *v.* to give or show particular importance to something
236. tr\_\_\_e a telephone call      *v.* to find or discover someone or something that was lost
237. inc\_\_\_\_\_te information      *adj.* not having all the necessary or appropriate parts; not yet finished
238. in\_\_\_\_\_e a lot of paperwork      *v.* to include or affect someone or something as a necessary part of something else
239. small fl\_\_\_t      *n.* a small or individual flower, especially one of the many small flowers making up a composite flower head, such as those found in the daisy or sunflower family
240. ex\_\_\_\_\_e weather events      *adj.* very great in amount or degree
241. get into a m\_\_\_s      *n.* a state of confusion, dirtiness, or untidiness; (verb) to fail to do something or to make something dirty or untidy
242. exit from a l\_\_\_p      *n.* a shape like a curve or a circle made by something long and thin, such as a piece of string, that bends round and crosses itself

ANSWERS: 232. wiggle, 233. complication, 234. hasten, 235. emphasize, 236. trace, 237. incomplete, 238. involve, 239. floret, 240. extreme, 241. mess, 242. loop

243. 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
244. pr\_\_\_\_\_le of treatment     *n.* a fundamental law or truth that explains or controls how something happens or works
245. resolve without com\_\_\_\_\_ion     *n.* something that makes a situation or condition that is complex or confused
246. vi\_\_\_\_\_e by X-ray     *adj.* capable of being seen; or open to easy view
247. ast\_\_\_\_\_ng achievement     *adj.* surprising or shocking; difficult to believe
248. b\_g bites     *n.* any tiny insect; a fault or defect in a computer program, system, or machine
249. habitual rep\_\_\_\_\_on     *n.* the act of doing or saying something many times
250. ex\_\_\_\_\_e sports     *adj.* very great in amount or degree
251. chest mea\_\_\_\_\_nt     *n.* the act or process of finding something's size, quantity, or degree
252. we\_\_h a cargo     *v.* to have a particular weight; to carefully evaluate things before making a conclusion
253. ge\_\_\_\_\_hy class     *n.* a field of science devoted to the study of the lands, features, inhabitants, and phenomena of the Earth
254. the influence of mec\_\_\_\_\_al action     *adj.* operated by a machine, relating to or concerned with machinery or tools

ANSWERS: 243. structure, 244. principle, 245. complication, 246. visible, 247. astonishing, 248. bug, 249. repetition, 250. extreme, 251. measurement, 252. weigh, 253. geography, 254. mechanical

255. chronic ki\_\_\_y disease *n.* either of a pair of small organs in the body that filter waste products, especially urea, from the blood and excrete them and water in urine
256. a n\_\_b mind *adj.* unable to feel physical sensation and movement; not showing human feeling or sensitivity
257. va\_\_\_\_\_on of temperature *n.* the act or state of changing; a difference or change in the way something is done, made or said
258. a serious to\_\_c *n.* a subject that is being discussed or written about
259. learning cu\_\_e *n.* a bend or angle in a line or surface that deviates from a straight or flat path; a gradual or smooth change in direction or shape
260. od\_\_y familiar *adv.* in a way that is unexpected, strange, or peculiar
261. wh\_\_e watching *n.* a very large sea mammal that has a streamlined body and breathes through a blowhole on the head; a very large person; impressive in size or qualities
262. br\_\_\_\_\_us wall *n.* (in the plural, "bronchi") either of the two main branches of the trachea that lead to the lungs and distribute air to the bronchioles and alveoli
263. 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: 255. kidney, 256. numb, 257. variation, 258. topic, 259. curve, 260. oddly, 261. whale, 262. bronchus, 263. invention

264. de\_\_\_e a word *v.* to state or explain precisely the nature, scope, or meaning of something
265. ex\_\_\_e for inaction *n.* a reason or explanation, either true or invented, given to justify a fault or defend your behavior; (verb) to make someone free from blame or clear from guilt
266. a bell to\_\_r *n.* a structure that is exceptionally high in proportion to its width and either forms part of a building or stands alone
267. de\_\_\_e meaning *v.* to indicate or represent something; to serve as a symbol or sign of something; to express or designate a meaning or concept
268. con\_\_\_\_\_ble aircraft *adj.* able to be controlled or directed
269. en\_\_\_\_\_us amount *adj.* extremely large or great
270. traffic nu\_\_\_\_\_ce *n.* something or someone that causes annoyance, inconvenience, or discomfort; an unpleasant or irritating thing or person
271. art\_\_\_\_\_al flowers *adj.* not natural and made by human beings; not real but produced to resemble something
272. as\_\_\_ts of social, political, and economic life *n.* one part or feature of a situation, problem, subject, etc.

ANSWERS: 264. define, 265. excuse, 266. tower, 267. denote, 268. controllable, 269. enormous, 270. nuisance, 271. artificial, 272. aspect

## Session 3: Fill in the Blanks

1. The new software is much more \_\_\_\_\_ and user-friendly.  
*adj.* able to be controlled or directed
2. 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
3. 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
4. Recent electoral shocks have shaken the political \_\_\_\_\_ in Europe.  
*n.* an expanse of scenery that can be seen in a single view; a large area of land, especially in the country and relating to its appearance
5. His professional experience includes all \_\_\_\_\_ of media production.  
*n.* one part or feature of a situation, problem, subject, etc.
6. 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
7. The mathematician pioneered fractal \_\_\_\_\_.  
*n.* the area of pure mathematics that deals with the points, lines, curves, and surfaces

ANSWERS: 1. controllable, 2. structure, 3. argue, 4. landscape, 5. aspects, 6. involves, 7. geometry

8. The tower proved to be \_\_\_\_\_ in the high wind.

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

9. The media frequently interviewed \_\_\_\_\_ scientists.

*adj.* important, well-known, or noticeable

10. He \_\_\_\_\_ hypotheses that no mathematician has ever imagined before.

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

11. The \_\_\_\_\_ session of the Diet opened.

*adj.* not different, exceptional, or unexpected in any way, especially in quality, ability, size, or degree

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

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

13. Solar gravity creates \_\_\_\_\_ pressures and temperatures.

*adj.* very great in amount or degree

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

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

15. A \_\_\_\_\_ engineer is still in demand in many companies.

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

16. 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: 8. unstable, 9. prominent, 10. constructs, 11. ordinary, 12. vary, 13. extreme, 14. advance, 15. mechanical, 16. branch

17. Shakespeare's output of poetry was \_\_\_\_\_.

*adj.* extremely large or great

18. The \_\_\_\_\_ intelligence system has revolutionized the way we live and work.

*adj.* not natural and made by human beings; not real but produced to resemble something

19. I am \_\_\_\_\_ opposed to his idea because of morality.

*adv.* without restriction or limitation; completely or utterly

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

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

21. He quickly fabricated an \_\_\_\_\_ for not attending the meeting.

*n.* a reason or explanation, either true or invented, given to justify a fault or defend your behavior; (verb) to make someone free from blame or clear from guilt

22. 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

23. The barking dog next door is becoming quite a \_\_\_\_\_.

*n.* something or someone that causes annoyance, inconvenience, or discomfort; an unpleasant or irritating thing or person

24. Smoking damages the \_\_\_\_\_ and increases the risk of lung cancer.

*n.* (in the plural, "bronchi") either of the two main branches of the trachea that lead to the lungs and distribute air to the bronchioles and alveoli

ANSWERS: 17. enormous, 18. artificial, 19. absolutely, 20. concept, 21. excuse, 22. formula, 23. nuisance, 24. bronchus



25. He narrated the \_\_\_\_\_ story of his adventure.

*adj.* exceptional, unexpected, very unusual; surpassing the ordinary or usual

26. \_\_\_\_\_ has jammed the inlet to the water turbine.

*n.* A simple plant that grows in or near water and lacks typical leaves and roots

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

*adj.* easy to see, discover or understand

28. The drama series mainly received \_\_\_\_\_.

*n.* an expression that shows approval and admiration of the achievements or characteristics of someone or something

29. The new resort was built along the \_\_\_\_\_ offering stunning ocean views from every room.

*n.* the particular shape of the coast (= the shore of a sea or ocean) as seen from the sea

30. The \_\_\_\_\_ to the new class was informative and engaging.

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

31. What do you \_\_\_\_\_ the culprit's motive was?

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

32. Higher \_\_\_\_\_ requires additional equipment and energy.

*n.* the state of being undiluted or unmixed with anything else; the state of being free from immorality, especially of a sexual nature

ANSWERS: 25. extraordinary, 26. Algae, 27. obvious, 28. praise, 29. coastline, 30. introduction, 31. suppose, 32. purity

33. I love to roast \_\_\_\_\_ with garlic and olive oil for a healthy side dish.
- n.* a vegetable that belongs to the same family as broccoli and cabbage, characterized by a compact head of central florets surrounded by green leaves, commonly used in cooking and preparation of various cuisines
34. He has a flair for \_\_\_\_\_.
- n.* the science dealing with the logic of quantities, shapes, spaces, and arrangement
35. Her husband's death \_\_\_\_\_ her life entirely.
- v.* to break suddenly into many pieces
36. The art museum was forced to close down temporarily due to concerns over \_\_\_\_\_ in their collection.
- n.* the act of creating a fake or false document, object, or currency to deceive or defraud others; the item that has been created in such a way
37. Winning the lottery was just a \_\_\_\_\_ I didn't expect it to happen.
- n.* a stroke of luck or chance, often resulting in a positive outcome or unexpected success; an accidental or unplanned occurrence
38. There are various hypotheses concerning the \_\_\_\_\_ of life.
- n.* the first existence or beginning of something
39. The ornate architecture of the palace is a perfect example of the \_\_\_\_\_ style.
- adj.* of or relating to an ornate and elaborate style of art, architecture, and music that flourished in Europe in the late 16th and early 17th centuries; characterized by a sense of grandeur and drama
40. The vehicle bounced along the \_\_\_\_\_ mountain road.
- adj.* not quite exact or correct; having or caused by an irregular surface

ANSWERS: 33. cauliflower, 34. mathematics, 35. shattered, 36. forgery, 37. fluke;, 38. origin, 39. baroque, 40. rough

41. He made a frightful \_\_\_\_\_ in his room.  
*n.* a state of confusion, dirtiness, or untidiness; (verb) to fail to do something or to make something dirty or untidy
42. We need to \_\_\_\_\_ the next steps for the project during our meeting tomorrow.  
*v.* to talk about or examine in detail through conversation or debate; to exchange ideas, opinions, or information on a particular topic
43. Writing a research paper can be a \_\_\_\_\_ task.  
*adj.* requiring a significant amount of time or effort to complete
44. The following \_\_\_\_\_ is currently being used to explain the phenomenon in question.  
*n.* the information or arguments that someone provides to make something understandable or clear
45. The researcher criticized the study due to \_\_\_\_\_ data.  
*adj.* not having all the necessary or appropriate parts; not yet finished
46. The coastline of Norway is one of the most famous examples of \_\_\_\_\_ geometry in nature.  
*n.* a complex geometric pattern or shape that repeats itself on smaller and smaller scales, often occurring in nature or mathematical equations
47. She was proud to receive a \_\_\_\_\_ for her hard work and dedication to the sport.  
*n.* a flat, usually circular piece of metal or other material that is often given as an award or commemoration for an achievement, victory, or honor
48. He also continued to struggle with serious long-term \_\_\_\_\_.  
*n.* something that makes a situation or condition that is complex or confused

ANSWERS: 41. mess, 42. discuss, 43. time-consuming, 44. explanation, 45. incomplete, 46. fractal, 47. medal, 48. complications

49. He does not \_\_\_\_\_ importance to these rumors.  
*v.* to fasten, join, or connect one thing to another
50. Timely education about birth control might help reduce \_\_\_\_\_ pregnancies.  
*n.* a young person who is in the process of developing from a child into an adult
51. The magician's disappearing act left the audience in \_\_\_\_\_.  
*n.* a state of great surprise or wonder caused by something extraordinary or unexpected
52. Some countries have a culture of eating the flesh of a \_\_\_\_\_.  
*n.* a very large sea mammal that has a streamlined body and breathes through a blowhole on the head; a very large person; impressive in size or qualities
53. Efficiency isn't an essential \_\_\_\_\_ here; fairness is.  
*n.* a fundamental law or truth that explains or controls how something happens or works
54. He is a skilled \_\_\_\_\_ that has many years of training and experience.  
*n.* a doctor who is trained to perform medical operations that involve cutting open a person's body
55. He has terminal \_\_\_\_\_ cancer.  
*n.* either of the two organs in the chest that people and some animals use for breathing
56. 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

ANSWERS: 49. attach, 50. adolescent, 51. amazement, 52. whale, 53. principle, 54. surgeon, 55. lung, 56. ancient

57. The chef garnished the dish with a delicate \_\_\_\_\_ of broccoli.

- n.* a small or individual flower, especially one of the many small flowers making up a composite flower head, such as those found in the daisy or sunflower family

58. 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

59. I found a stink \_\_\_\_ crawling across the ceiling.

- n.* any tiny insect; a fault or defect in a computer program, system, or machine

60. We would \_\_\_\_\_ an early reply.

- v.* to value and acknowledge the worth of someone or something; to be grateful for something or someone

61. The \_\_\_\_\_ error of this industrial machine is less than one micrometer.

- n.* the act or process of finding something's size, quantity, or degree

62. 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

63. The juice has a \_\_\_\_\_ taste.

- adj.* odd and uncommon, sometimes in an unpleasant way

64. She is a \_\_\_\_\_ of strength for our team in trouble.

- n.* a structure that is exceptionally high in proportion to its width and either forms part of a building or stands alone

ANSWERS: 57. floret, 58. represent, 59. bug, 60. appreciate, 61. measurement, 62. discovery, 63. peculiar, 64. tower

65. Use italics or capitals to \_\_\_\_\_ a word in a piece of writing.  
*v.* to give or show particular importance to something
66. The \_\_\_\_\_ will repair my telephone tomorrow morning.  
*n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software
67. My left arm became \_\_\_\_\_.  
*adj.* unable to feel physical sensation and movement; not showing human feeling or sensitivity
68. The \_\_\_\_\_ in the road was so sharp that I had to slow down to navigate it safely.  
*n.* a bend or angle in a line or surface that deviates from a straight or flat path; a gradual or smooth change in direction or shape
69. I need to \_\_\_\_\_ my speed to finish the race on time.  
*v.* to move or act quickly; to cause or encourage something to happen sooner or more rapidly; to accelerate or speed up
70. The surgeon removed the healthy \_\_\_\_\_ from the donor.  
*n.* either of a pair of small organs in the body that filter waste products, especially urea, from the blood and excrete them and water in urine
71. Scientists are constantly searching for signs of \_\_\_\_\_ life in the universe.  
*adj.* relating to or existing outside of the Earth's atmosphere or planetary boundaries; pertaining to beings or phenomena that originate from beyond the Earth
72. We worked in perfect \_\_\_\_\_.  
*n.* the combination of simultaneous musical notes to produce a pleasing effect; an attractive combination of related things and their properties

ANSWERS: 65. emphasize, 66. engineer, 67. numb, 68. curve, 69. hasten, 70. kidney, 71. extraterrestrial, 72. harmony

73. Her hips \_\_\_\_\_ as she walks.

- v.* to move or cause to move up and down or from side to side in short and quick movements

74. The \_\_\_\_\_ exercised great care in landing.

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

75. The room was filled with beautiful \_\_\_\_\_ for the wedding reception.

- n.* the act of adding something that is intended to make something more attractive; an award or honor that is given to someone in recognition of their achievements

76. The systems we have developed has accepted as industry \_\_\_\_\_.

- n.* something that is regarded as usual, typical, or standard

77. The dragon is considered a \_\_\_\_\_ of bravery.

- n.* something visible that is used to represent something else

78. The \_\_\_\_\_ of his idea came from watching birds flying in flocks.

- n.* a very tiny living that causes the disease; a piece of something such as an organism, concept, etc., capable of growing into a new one or part of one

79. Driving was difficult on the \_\_\_\_\_ cobblestoned surface.

- adj.* not having an even or balanced shape or arrangement; contrary to the usual rule, accepted order, or what is expected

80. He claims that his legitimate requests were \_\_\_\_\_ ignored.

- adv.* again and again; many times

ANSWERS: 73. wiggle, 74. pilot, 75. decorations, 76. norms, 77. symbol, 78. germ, 79. irregular, 80. repeatedly

81. We can rule this possibility out from our \_\_\_\_\_.
- n.* the act or process of giving careful thought to something; a fee charged in advance to retain the services of someone
82. The company's \_\_\_\_\_ is "Innovation and Service," which is reflected in its products and customer support.
- n.* a phrase or slogan that expresses a guiding principle or goal
83. To advance this discussion, we must \_\_\_\_\_ "success" rigorously.
- v.* to state or explain precisely the nature, scope, or meaning of something
84. The police stopped the suspicious person and asked him to give his name, address, and \_\_\_\_\_.
- n.* a person's job or profession; the act of taking possession
85. There is a lot of \_\_\_\_\_ in the colors of flowers in the garden.
- n.* the act or state of changing; a difference or change in the way something is done, made or said
86. She did well on her \_\_\_\_\_ exam.
- n.* a field of science devoted to the study of the lands, features, inhabitants, and phenomena of the Earth
87. The professor explained the \_\_\_\_\_ of the nervous system.
- n.* the scientific study that deals with the physical structure of humans, animals, or plants
88. Her \_\_\_\_\_ response to the criticism showed her ability to remain calm and composed under pressure.
- adj.* done with careful consideration or calculated precision; controlled or regulated in manner or speech; deliberate and thoughtful

ANSWERS: 81. consideration, 82. motto, 83. define, 84. occupation, 85. variation, 86. geography, 87. anatomy, 88. measured



89. They donated large sums of money for the development of \_\_\_\_\_.
- n.* all people living on the earth; the quality or state of being human rather than an animal, a machine, etc.
90. I was amazed at the \_\_\_\_\_ of her generosity.
- n.* the point or degree or area to which something extends
91. The symbol on the map \_\_\_\_\_ the location of the city.
- v.* to indicate or represent something; to serve as a symbol or sign of something; to express or designate a meaning or concept
92. The project's \_\_\_\_\_ made it difficult for the team to complete it on time.
- n.* the state or quality of being complicated or intricate and difficult to understand
93. 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
94. Life expectancy has grown \_\_\_\_\_ this century.
- adv.* in a very impressive manner
95. A rainbow is a natural \_\_\_\_\_.
- n.* something that exists and can be perceptible, especially one that is not fully understood
96. The baby \_\_\_\_\_ 1 pound 3 oz.
- v.* to have a particular weight; to carefully evaluate things before making a conclusion

ANSWERS: 89. humanity, 90. extent, 91. denotes, 92. complexity, 93. distance, 94. dramatically, 95. phenomenon, 96. weighs

97. The space shuttle is a modern engineering \_\_\_\_\_.
- n.* someone something that causes feelings of wonder or surprise
98. This container has a \_\_\_\_\_ of 10 cubic meters.
- n.* the amount of space occupied by an object or substance; the magnitude of sound
99. The news of her sudden death was \_\_\_\_\_ to everyone who knew her.
- adj.* surprising or shocking; difficult to believe
100. Many people in this city use the \_\_\_\_\_ railway for transportation.
- n.* a shape like a curve or a circle made by something long and thin, such as a piece of string, that bends round and crosses itself
101. Necessity is the mother of \_\_\_\_\_.
- n.* the creation of a new device or process resulting from study and experimentation; the act of inventing
102. 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
103. 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
104. \_\_\_\_\_ is better than argument.
- n.* a fact or piece of information that shows something is true or exists

ANSWERS: 97. marvel, 98. volume, 99. astonishing, 100. loop, 101. invention, 102. decide, 103. equations, 104. Proof

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

*adj.* existing only in someone's mind

106. The two sides argued their points, but the judge ultimately sided with the \_\_\_\_\_ viewpoint.

*n.* acting in opposition to what is expected or desired

107. The company has decided to \_\_\_\_\_ the production of its unpopular product line.

*v.* to cease or stop doing something; to interrupt or terminate something that is already ongoing or in progress

108. 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

109. When the body temperature drops, \_\_\_\_\_ secretion fails.

*n.* a slimy liquid produced inside the nose and other body parts for lubrication, protection, etc.

110. The parents spoke to their children in no-\_\_\_\_\_ tones.

*n.* an idea, behavior, or something spoken or written that has no meaning or makes no sense or that is silly or unacceptable

111. Many people cling to the \_\_\_\_\_ that they can get rich quickly, despite all evidence.

*n.* a mistaken belief, idea, or argument that is not supported by facts or evidence; a deceptive or misleading statement or belief

112. We need to \_\_\_\_\_ the aspect of his personality from the part of his competence when making an investment decision.

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

ANSWERS: 105. imaginary, 106. contrary, 107. discontinue, 108. complicated, 109. mucus, 110. nonsense, 111. fallacy, 112. separate

113. The \_\_\_\_\_ of the discussion was the current state of the economy.  
*n.* a subject that is being discussed or written about
114. An executive \_\_\_\_\_ director administers each branch.  
*n.* someone who helps or supports someone else to do a job
115. The bid \_\_\_\_\_ for this auction is \$100.  
*n.* a regular increase in the amount of something, such as money; a process of becoming larger, longer, or more important
116. Let's \_\_\_\_\_ the origins of some familiar foreign words.  
*v.* to find or discover someone or something that was lost
117. The fishing reel had a \_\_\_\_\_ that made it easy to reel in the catch.  
*n.* a mechanical device that converts rotary motion into linear motion or vice versa; an eccentric or unpredictable person
118. My home is easily \_\_\_\_\_ from the shore.  
*adj.* capable of being seen; or open to easy view
119. The famous restaurant stands \_\_\_\_\_ up the hill.  
*adj.* in or at a point midway or an equal distance between two points
120. Two months later, my tumor \_\_\_\_\_ utterly.  
*v.* disappear or stop being present or existing suddenly and completely
121. The exam was \_\_\_\_\_ tricky for everyone.  
*adv.* in a way that causes amazement or wonder

ANSWERS: 113. topic, 114. assistant, 115. increment, 116. trace, 117. crank, 118. visible, 119. halfway, 120. vanished, 121. surprisingly

122. That adventurer traveled in \_\_\_\_\_ of buried treasure.

*n.* a long or challenging search for something

123. Einstein was an outstanding and famous \_\_\_\_\_ of the 20th century.

*n.* a scientist who specializes in the field of physics

124. The wise old \_\_\_\_\_ instructed the young prince to rule his kingdom.

*n.* someone who is believed to have the power of prophecy or foretelling the future; a prophet or fortune-teller

125. This study \_\_\_\_\_ four different ways to run a business.

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

126. Lengthened skirts are \_\_\_\_\_ this year.

*adj.* popular at a particular time

127. He set up a trap to catch the \_\_\_\_\_.

*n.* a small, gnawing mammal, such as a mouse, rat, or squirrel, that has sharp incisors and typically has a long, thin tail

128. I \_\_\_\_\_ for reasons already stated above.

*v.* to have or express a different opinion, idea, etc.

129. The birds \_\_\_\_\_ open water areas with reeds around them.

*v.* to like, choose, or want one thing or person better than another

130. The \_\_\_\_\_ of exercise is important for maintaining good health.

*n.* the quality or state of being done often; conformity to a set of rules, standards, or expectations; the state of occurring with a consistent or predictable pattern or frequency

ANSWERS: 122. quest, 123. physicist, 124. seer, 125. distinguished, 126. fashionable, 127. rodent, 128. disagree, 129. prefer, 130. regularity

131. The \_\_\_\_\_ of the novel centers around a group of friends who uncover a conspiracy to control the world's water supply.

*n.* a secret plan or scheme to achieve a specific goal; the plan or main story of a literary work; (verb) to plan secretly, usually something illegal

132. He walked into the party with an \_\_\_\_\_ dressed companion, causing everyone to stare.

*adv.* in a way that is unexpected, strange, or peculiar

133. The \_\_\_\_\_ chaos of the concert crowd made it seem like a wild animal was in the room.

*adj.* complete, total, or absolute; said, done, or experienced without any exceptions or qualifications; spoken aloud or enunciated very clearly and distinctly; (verb) to speak or articulate words, sounds, or a voice

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

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

135. He stood to inherit a million-dollar \_\_\_\_\_.

*n.* a thing or things that belong to someone

136. \_\_\_\_\_ is the mother of all learning.

*n.* the act of doing or saying something many times

ANSWERS: 131. plot, 132. oddly, 133. utter, 134. amazing, 135. property, 136.

Repetition