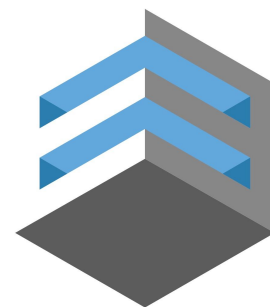


# Englist.me



## Vocabulary Builder Reference from...

*Nick Bostrom: How civilization could destroy itself -- and 4 ways we could prevent it | TED Talk*

[https://www.ted.com/talks/nick\\_bostrom\\_how\\_civilization\\_could\\_destroy\\_itself\\_and\\_4\\_ways\\_we\\_could\\_prevent\\_it](https://www.ted.com/talks/nick_bostrom_how_civilization_could_destroy_itself_and_4_ways_we_could_prevent_it)

### 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

- nick** *n.* a small cut, notch, or indentation in a surface or an edge  
*synonym*: incision, dent, indentation  
(1) a **nick** on the fender of a car, (2) **nick** on my hand  
The interviewer arrived in a **nick** of time.
- crazy** *adj.* stupid or not sensible; very angry  
*synonym*: insane, absurd, bizarre  
(1) **crazy** about cars and racing, (2) a **crazy** scheme  
The rain and thunder are **crazy** today.
- simulate** *v.* to make a pretense of someone's behavior or looks; to reproduce something that exists in real life using computers, models, etc., usually for study or training purposes  
*synonym*: pretend, imitate, mimic  
(1) **simulate** climate change, (2) **simulate** a future scenario  
He had painted the wood to **simulate** stone.
- vivid** *adj.* producing very clear, powerful, and detailed images in the mind  
*synonym*: intense, powerful, dazzling  
(1) **vivid** colors, (2) still **vivid** in my memory

She made a **vivid** impression.

## intelligence

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

*synonym*: brains, brightness, cleverness

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

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

## horrible

*adj.* extremely unpleasant or bad; causing fear or disgust

*synonym*: dreadful, terrible, awful

(1) **horrible** accident, (2) **horrible** smell

The experience was **horrible** and left a lasting impression.

## vulnerable

*adj.* capable of being hurt or influenced physically or mentally

*synonym*: susceptible, exposed, weak

(1) a **vulnerable** bridge, (2) **vulnerable** parts of the body

Infants and pregnant women are particularly **vulnerable**.

## hypothesis

*n.* a proposed idea or explanation that is based on a few known facts but has not yet been proven to be true or accurate

*synonym*: assumption, conjecture, theory

(1) test my **hypothesis**, (2) a bold **hypothesis**

This evidence supports the big-bang **hypothesis**.

## illustrate

*v.* to provide pictures, photographs, diagrams, etc. in a book or something for explanation

*synonym*: demonstrate, explain, exemplify

(1) **illustrate** a key point, (2) **illustrate** a story

The company's financial records **illustrate** how successful it has been.

## structural

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

*synonym*: architectural, basic, anatomical

(1) **structural** analyses, (2) **structural** reorganization  
The earthquake resulted in significant **structural** destruction.

**feat** *n.* a notable or impressive achievement, especially one that requires great skill or bravery  
*synonym*: achievement, accomplishment, exploit

(1) intellectual **feat**, (2) **feat** accomplishment  
It is an incredible **feat** to climb Mount Everest, the highest mountain in the world.

**urn** *n.* a large, typically rounded container, often made of ceramic, metal, or glass, used for storing the ashes of a cremated person or pet or for decorative purposes  
*synonym*: vase, container, jar

(1) memorial **urn**, (2) **urn** decoration  
The athlete's remains were scattered at sea rather than placed in an **urn**.

**metaphor** *n.* a figure of speech in which an expression is used to refer to something that it does not denote to suggest a similarity  
*synonym*: conceit, analogy, symbol

(1) **metaphor** for death, (2) visual **metaphor**  
She expressed her thought in an artful choice of **metaphors**.

**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.

**creative** *adj.* relating to or involving the use of skill and original and unusual ideas to create something  
*synonym*: imaginative, innovative, inventive

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

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

## process

*n.* a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products

*synonym* : procedure, method, system

(1) **process** improvement, (2) decision-making **process**

The **process** for applying for a visa can be lengthy and complicated.

## beneficial

*adj.* helpful, useful, or sound; promoting or enhancing well-being

*synonym* : useful, advantageous, fruitful

(1) a **beneficial** result, (2) **beneficial** to all countries

Laughing is **beneficial** to our health.

## extract

*n.* a short passage taken from a book, piece of music, etc.; a substance obtained from something through a specific process; (verb) to obtain from something or to remove something by effort or force

*synonym* : excerpt, quote, distillation

(1) a brief **extract** from the book, (2) botanical **extract**

Anesthetize the gum before **extracting** the teeth.

## blessing

*n.* a gift or favor from a higher power or force; an act or expression of approval, encouragement, or gratitude; something that brings happiness or good fortune

*synonym* : favor, benediction, boon

(1) count your **blessings**, (2) bestowed **blessings**

Receiving support from his friends was a great **blessing** in his time of need.

## invariably

*adv.* in every case or on every occasion; without exception

*synonym* : consistently, always, uniformly

(1) **invariably** polite, (2) **invariably** correct  
She **invariably** arrived at the office early each day.

## destroy

*v.* to ruin or damage severely or completely; to eradicate or eliminate completely

*synonym*: demolish, ruin, obliterate

(1) **destroy** the ecosystem, (2) **destroyed** evidence  
The building was **destroyed** in the fire and had to be rebuilt.

## 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**.

## 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.

## inevitably

*adv.* in a manner that cannot be avoided or prevented

*synonym*: unavoidably, necessarily, surely

(1) **inevitably** decline with age, (2) **inevitably** reach the consumer

Because of his excellent performance, he will **inevitably** be promoted.

## destruction

*n.* the act of causing so much damage to something

*synonym*: devastation, annihilation, ruin

(1) path of **destruction**, (2) cyclonic **destruction**

The extinction of several subspecies has been linked to climate change and habitat **destruction**.

## anarchy

*n.* a state of society without government or law

*synonym*: chaos, disorder, lawlessness

(1) **anarchy** in the classroom, (2) lapse into **anarchy**

The concept of **anarchy** has been used in literature, music, and other art forms to explore ideas about power, freedom, and rebellion.

## default

*v.* to fail to fulfill an obligation or pay a debt when it is due; to fail to meet expectations or perform as required; to choose or accept a predetermined option or condition without making a deliberate selection or choice; (noun) a failure to fulfill an obligation or to meet a requirement; the pre-set or automatic settings that a system or program uses when the user has selected no other options

*synonym*: fail, neglect, omit

(1) **default** settings, (2) **default** on the mortgage

If you don't specify a different option, the computer will **default** to its original settings.

## compelling

*adj.* arousing strong and irresistible interest, attention, or admiration

*synonym*: tempting, captivating, influential

(1) tell a **compelling** story, (2) new and **compelling** evidence

His **compelling** presentation deeply moved everyone.

## counterexample

*n.* an example that contradicts or disproves a given hypothesis or generalization; evidence or an instance that renders an argument or statement invalid

*synonym*: refutation, counter-instance, disproof

(1) **counterexample** to the theory, (2) mathematical **counterexample**

The student provided a **counterexample** to the teacher's hypothesis, proving it untrue.

## quote

*v.* to repeat or reproduce the words or statement of someone else, often acknowledging the source; to give an estimated cost or price for goods or services

*synonym*: cite, reference, mention

(1) **quote** a source, (2) **quote** a price

In his speech, he **quoted** a famous philosopher to emphasize his point.

## difficulty

*n.* a condition or state that causes problems

*synonym*: hardship, complication, problem

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

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

## foresee

*v.* to perceive or predict; to anticipate or expect something to happen in the future

*synonym*: predict, anticipate, forecast

(1) **foresee** the consequences, (2) **foresee** challenges

I **foresee** a problem arising if we don't address this issue now.

## 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**.

## strategy

*n.* a detailed plan of action designed to achieve a long-term or overall goal.

*synonym*: approach, procedure, scenario

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

Our plan includes a comprehensive marketing **strategy**.

## massive

*adj.* enormous amount; very heavy and solid

*synonym*: enormous, giant, immense

(1) **massive** amounts, (2) **massive** stars

The recent economic downturn has resulted in **massive** layoffs.

## synthetic

*adj.* made by combining chemical substances as opposed to being naturally occurring

*synonym*: artificial, manufactured, fabricated

(1) **synthetic** fiber, (2) **synthetic** fertilizer

**Synthetic** diamonds play an essential role as machine tool blades.

## biology

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

(1) evolutionary **biology**, (2) cell and molecular **biology**

In junior high school, we had to dissect a frog in **biology** class.

## fecundity

*n.* the ability to produce an abundance of offspring or creative works; fertility; productivity

*synonym*: fertility, fruitfulness, productivity

(1) **fecundity** rate, (2) high **fecundity**

The **fecundity** of the soil in this area is ideal for growing crops.

## geoengineering

*n.* the study of finding ways to change the Earth's climate system, primarily to reduce global warming; deliberate and large-scale intervention in the Earth's climate system

(1) **geoengineering** technology, (2) **geoengineering** schemes

It is unclear what all of the potential consequences of **geoengineering** could be.

## random

*adj.* made, done, or happening without method, conscious decision, or any regular pattern

*synonym*: incidental, arbitrary, unanticipated

(1) a **random** choice, (2) bombs fell at **random**



To find drunk drivers, police conduct **random** tests.

## radical

*adj.* relating to the essential aspects of anything; far beyond the norm, mainly used of opinions and actions

*synonym* : extreme, revolutionary

(1) a **radical** flaw in the plan, (2) a **radical** cure

The government established by the coup was more **radical** than before.

## climate

*n.* the weather in a particular location averaged over some long period

*synonym* : atmosphere, weather, environment

(1) a cold **climate**, (2) effects of **climate** change

**Climate** and weather have an impact on every part of our lifestyles.

## lethal

*adj.* causing or capable of causing death; extremely dangerous

*synonym* : destructive, fatal, brutal

(1) **lethal** injection, (2) **lethal** weapon

Malignant hypertension is the most **lethal** form of hypertension.

## autonomous

*adj.* capable of governing or controlling its affairs

*synonym* : independent, self-governing, self-reliant

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

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

## drone

*n.* a low continuous humming noise; someone who takes more time than necessary; a pilot-less aerial vehicle that is operated by remote control

*synonym* : hum, whirr, idler

(1) **drone** flight, (2) the speaker's **drone**

He heard a **drone** of sirens roar from the neighboring town.

## mosquito

*n.* a small flying insect whose female bites people and animals and sucks their blood, and sometimes transmits serious diseases such as malaria

*synonym* : insect, bug, flea

(1) **mosquito** bite, (2) **mosquito** repellent

A stagnant water area are breeding ground for **mosquitos**.

## bot

*n.* a computer program or software application that is capable of performing automated tasks, often on the internet; a type of electronic device that provides autonomous service or assistance to users

*synonym* : robot, droid, android

(1) spam **bot**, (2) **bot** detection

The translation **bot** helped me translate a website from another country.

## swarm

*n.* a group of many things, such as insects, fishes, etc., in the air or water or on the ground

*synonym* : horde, hive, throng

(1) a **swarm** of mosquitoes, (2) locust **swarm**

A **swarm** of angry bees attacked because we had approached the hive.

## nanoscale

*adj.* on a scale that can be measured in nanometres (= one billionth of a meter); on a very small scale

(1) **nanoscale** device, (2) things at the **nanoscale**

This process improves the strength of the metal by controlling the **nanoscale** lattice structure of the metal.

## 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.

## nuclear

*adj.* of or relating to or constituting the nucleus of an atom; deriving destructive energy from the release of atomic energy

*synonym* : atomic

(1) **nuclear** fusion, (2) use of **nuclear** power

Many countries have now agreed to a treaty banning the use of **nuclear** weapons.

## bomb

*n.* a weapon that explodes and is used to kill or injure people or to cause damage to something

*synonym* : missile, explosive, ammunition

(1) atomic **bombs**, (2) disarm the **bomb**

The use of cluster **bombs** is strictly prohibited by international law.

## breakthrough

*n.* a sudden, dramatic, and important discovery or development that helps to improve a situation or provide an answer to a problem

*synonym* : advance, progress, innovation

(1) **breakthrough** in the negotiations, (2) **breakthrough** discovery

A technique called deep learning has led to **breakthroughs** in AI.

## physics

*n.* the science of matter and energy and their interactions

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

He studied the **physics** of radiation.

## genius

*n.* someone who has exceptional intellectual ability and originality

*synonym* : brilliance, brainiac, acumen

(1) a person of **genius**, (2) a **genius** for music

Mozart was a musical **genius**.

## chain

*n.* a series of connected links or objects; a system or group of interconnected elements; a restraint or shackle

*synonym* : series, string, link

(1) **chain** reaction, (2) supply **chain**

The **chain** on my bike broke, leaving me stranded.

## reaction

*n.* a response that reveals a person's feelings or attitude;  
(in chemistry) a process in which one or more  
substances are changed into others

*synonym*: response, reply, answer

(1) chemical **reaction**, (2) trigger a **reaction**

There was a chemical **reaction** of the lime with the  
groundwater.

## enrich

*v.* to make better or improve in quality by adding  
something else

*synonym*: enhance, improve, augment

(1) **enrich** a gas with a balloon, (2) **enrich** public services

Reading not only increases knowledge but also **enriches** life.

## uranium

*n.* a chemical element with the symbol U, atomic number  
92, that is a dense, silvery-white metal that is radioactive  
and is used as a fuel for nuclear power plants

*synonym*: U

(1) **uranium** mining, (2) radioactive **uranium** isotope

The mining and processing of **uranium** can lead to releasing  
radioactive materials into the environment.

## plutonium

*n.* a radioactive chemical element with the symbol Pu and  
atomic number 94 used in nuclear reactors and  
weapons, which is produced from uranium in nuclear  
reactors and occurs naturally in trace amounts

*synonym*: Pu, radioactive metal

(1) **plutonium** reactor, (2) **plutonium** contamination

The disposal of **plutonium** waste is a major environmental  
challenge.

## centrifuge

*n.* a machine that uses centrifugal force (= a type of inertial  
force that appears to act on an object moving in a  
circular path and is directed away from the center) to

separate substances of different densities, especially to separate liquids from solids

*synonym* : separator, extractor, spinner

(1) **centrifuge** tube, (2) ultra-high-speed **centrifuges**

The laboratory technician placed the blood samples in the **centrifuge** to separate the different components.

## react

v. to take action in response to something

*synonym* : respond, reply, oppose

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

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

## 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?

## unlock

v. to open something, such as a door, window, etc., usually using a key

*synonym* : open, solve, unravel

(1) **unlock** a door with a key, (2) **unlock** value

The customs officer required the traveler to **unlock** his suitcase.

## atom

n. the smallest unit of ordinary matter that forms a chemical element, composed of a nucleus and one or more electrons bound to the nucleus

*synonym* : particle, element, fraction

(1) oxygen **atom**, (2) neutral hydrogen **atoms**

The outermost electron shell of an **atom** determines its chemical characteristics.

## sand

n. finely granulated particles of rock or mineral material typically found along beaches, deserts, or riverbeds; used in construction, landscaping, and other

applications requiring drainage or abrasive action

*synonym* : grit, dust, powder

(1) **sand** dunes, (2) **sand** castle

The **sand** on the beach was warm and golden.

## microwave

*n.* a form of electromagnetic radiation with wavelengths ranging from about one millimeter to one meter and frequencies between 300 MHz (0.3 GHz) and 300 GHz; an electric oven that cooks food by exposing it to high-frequency electromagnetic radiation, which causes the food molecules to vibrate and heat up quickly

*synonym* : oven, waveguide, radar range

(1) **microwave** radiation, (2) **microwave** popcorn

I heated my leftover food in the **microwave** oven, which tasted just as good as freshly cooked.

## detonation

*n.* a sudden and violent explosion, often caused by the ignition of an explosive substance; the act of causing something to explode

*synonym* : explosion, blast, burst

(1) accidental **detonation**, (2) **detonation** velocity

The **detonation** of the explosive was heard throughout the entire city.

## physically

*adv.* in a way related to a person's body or appearance rather than their mind

(1) **physically** and mentally, (2) stay **physically** fit

Having a **physically** healthy physique is essential for a great life.

## relevance

*n.* the state or degree of being closely connected or appropriate to the matter at hand

*synonym* : pertinence, applicability, connection

(1) have no **relevance**, (2) **relevance** category

The **relevance** of this information to the current situation needs to be investigated.

## evolve

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

*synonym* : develop, mature, grow

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

Eyeless fish **evolved** in dark caves.

## imply

*v.* to indicate the truth or existence of something without referring to it

*synonym* : hint, indicate, denote

(1) **imply** a strong correlation, (2) **imply** the presence of alien

The salespeople speak in technical terms to **imply** that they are more knowledgeable than the customer.

## stable

*adj.* firm and steady; not easily moved, disturbed, or changed

*synonym* : sturdy, unmoving, durable

(1) in **stable** condition, (2) have a **stable** job

Relations between the two countries have been relatively **stable** due to the summit meeting.

## environment

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

*synonym* : atmosphere, surroundings, climate

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

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

## relative

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

*synonym* : comparative, proximate, congeneric

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

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

## stack

*n.* a pile of something arranged or laid one on top of another; a large tall chimney through which combustion

gases and smoke can be evacuated

*synonym*: accumulation, heap, pile

(1) high **stack**, (2) a large **stack** of paper

The earthquake caused a **stack** of lumber to crumble noisily.

## modern

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

*synonym*: contemporary, stylish, current

(1) **modern** poetry, (2) pre- **modern** agricultural society

Their headquarters are in a **modern** skyscraper.

## survive

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

*synonym*: endure, persist, stay

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

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

## destructive

*adj.* causing or able to cause tremendous and irreparable damage

*synonym*: destroying, harmful, disastrous

(1) lead to **destructive** behavior, (2) a habit **destructive** to health

It was the most **destructive** storm in decades.

## apocalyptic

*adj.* describing severe damage and destruction in past or future events, or the end of the world

*synonym*: fateful, prophetic, ominous

(1) **apocalyptic** event, (2) have **apocalyptic** overtones

The **apocalyptic** landscape of burnt-out villages and bombed-out ruins spread out before them.

## residual

*adj.* relating to or constituting a remainder or leftover portion; remaining after other elements or factors have been removed or taken into account

*synonym*: residuary, leftover, remaining

(1) **residual** waste, (2) **residual** income

The scientist found **residual** traces of the chemical in the water sample.



## addition

*n.* the act or process of adding something to something else; the process of adding numbers

*synonym*: accumulation, expansion, addendum

(1) chemical **addition**, (2) **addition** of vectors

In **addition**, private corporations provide healthcare services.

## 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.

## incentive

*n.* something, such as a punishment, reward, etc., that encourages a person to do something

*synonym*: encouragement, inducement, enticement

(1) financial **incentives**, (2) an **incentive** to work hard

They have no **incentive** to win the game.

## incentivize

*v.* to make someone want to do in a particular way by offering them a reward

*synonym*: encourage, motivate

(1) **incentivize** carpooling, (2) **incentivize** the right behavior

Governments **incentivize** their citizens to buy eco-friendly products through subsidies.

## trillion

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

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

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

## warhead

*n.* the explosive or destructive part of a missile, rocket, or other weapons that are designed to explode on impact or detonation

*synonym*: payload, explosive

(1) **warhead** missile, (2) nuclear **warhead**

The missile launch was successful, and the **warhead** hit its intended target.

## trigger

v. to make something happen suddenly; to cause something such as a device, machine, etc. to function

*synonym*: activate, spark, drive

(1) **trigger** a biochemical response, (2) **trigger** inflation

The incident **triggered** a political controversy.

## alert

v. to warn or arouse to a sense of danger; (adjective) paying close attention or being in a state of readiness for action

*synonym*: warn, inform, (adjective) vigilant

(1) **alert** consumers to the dangers, (2) **alert** system

The company's cybersecurity team **alerted** the CEO to potential threats.

## strike

v. to wallop somebody or something with the hand, fist, or weapon; to have an emotional or cognitive impact upon

*synonym*: hit, impact, influence

(1) **strike** up a conversation, (2) **strike** a blow

We **strike** to achieve more wages and safer working conditions.

## tricky

*adj.* requiring care and skill because challenging to do or deal with

*synonym*: thorny, problematic, crafty

(1) **tricky** problem, (2) a **tricky** recipe to follow

We have discussed the entirety of this **tricky** problem.

## crisis

*n.* a time of great disagreement, confusion, or danger when problems must be resolved or critical decisions must be taken

*synonym*: concern, problem, emergency

(1) financial **crisis**, (2) **crisis** management

The Chinese word for **crisis** comprises two characters, one for danger and the other for opportunity.

## refrain

v. to avoid or stop doing something; to hold oneself back from an action

*synonym* : abstain, desist, forgo

(1) **refrain** from alcohol, (2) **refrain** from religious activity  
He **refrained** from commenting on the controversial topic.

## launch

*v.* to send or propel something into the air or space using a device such as a rocket, missile, or spacecraft; to make something available or on sale for the first time

*synonym* : start, initiate, begin

(1) **launch** a spaceship into orbit, (2) **launch** a big attack  
The company is set to **launch** its new product line next month.

## missile

*n.* a weapon, such as a rocket or guided projectile, that is self-propelled and directed by remote control or by an internal guidance mechanism

*synonym* : projectile, rocket, bomb

(1) **missile** defense, (2) cruise **missile** attack  
The military launched a ballistic **missile** at the enemy's stronghold.

## mutual

*adj.* common to or shared by two or more parties

*synonym* : shared, common, joint

(1) share of a **mutual** fund, (2) **mutual** efforts  
They cooperated for their **mutual** benefit.

## 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.

## treaty

*n.* a formal agreement or pact between two or more countries or other international entities

*synonym* : agreement, pact, accord

(1) **treaty** negotiation, (2) global climate **treaty**  
The two countries signed a **treaty** to establish peaceful

relations.

## distinctive

*adj.* having a quality or characteristic that makes it stand out from others

*synonym* : characteristic, individual, unique

(1) **distinctive** ability, (2) design to be **distinctive**

His writing style was **distinctive**, with a clear and concise voice.

## convenience

*n.* the state of being suitable or opportune

*synonym* : availability, usefulness, amenity

(1) **convenience** goods, (2) for **convenience** sake

They offered the **convenience** of an installment plan.

## individually

*adv.* separately or apart from others

*synonym* : separately, one by one, independently

(1) answer questions **individually**, (2) **individually** designed product

Each department has done its product costing **individually**.

## dam

*n.* a wall constructed over a river to block the flow of water, mainly used to generate energy

*synonym* : barricade, barrier, embankment

(1) **dam-building** program, (2) **dam** collapsing

The break in the **dam** threatened the valley.

## sensitivity

*n.* the ability to perceive or respond to subtle differences or changes; the ability to understand and respond to the needs and feelings of others

*synonym* : alertness, attentiveness, sympathy

(1) **sensitivity** analysis, (2) become full of **sensitivity**

The instrument has a high **sensitivity** to temperature changes.

## parameter

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

*synonym* : factor, variable, characteristic

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

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

## emit

*v.* to give off or send out something such as light, heat, sound, gas, etc.

*synonym*: give off, radiate, expel

(1) **emit** a gamma ray, (2) **emit** air pollution

During the unloading, the container box **emits** a clicking sound.

## greenhouse

*n.* a building with walls and roof made chiefly of transparent material, such as glass, for growing plants in

*synonym*: conservatory

(1) exotic plants in a **greenhouse**, (2) emissions of **greenhouse** gases

The **greenhouse** effect is a phenomenon that happens naturally.

## temperature

*n.* the degree of hotness or coldness of a thing or place

*synonym*: climate, warmth, degree

(1) extreme **temperatures**, (2) the atmospheric **temperature**

Cities around the world set records for highest **temperatures** this summer.

## degree

*n.* a unit of measurement for angles, temperature, or level of proficiency or achievement; a rank or level of academic or professional attainment

*synonym*: level, qualification, diploma

(1) bachelor's **degree**, (2) **degree** centigrade

She received her **degree** in psychology from the university.

## renewable

*adj.* capable of being renewed, extended, or replaced

*synonym*: sustainable, replaceable

(1) **renewable** energy, (2) **renewable** subscriptions

The production of **renewable** fuels requires massive volumes of fresh water.

## fossil

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

*synonym* : relic, remnant, antediluvian

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

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

## fuel

*n.* a substance that is typically burned to generate heat or energy

*synonym* : energy, power, gas

(1) biomass **fuel**, (2) smokeless **fuel**

The **fuel** scarcity most severely impacted the manufacturing sector

## bet

*v.* to risk money on the result of an event or a competition, such as a race or game, to get more money; to have faith or confidence in something

*synonym* : stake, wager, gamble

(1) **bet** on a race, (2) **bet** my future

I **bet** that you know it.

## slightly

*adv.* in a small degree or extent; a little

*synonym* : barely, narrowly, scarcely

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

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

## possibility

*n.* a chance that something may happen or be true

*synonym* : chance, prospect, likelihood

(1) **possibility** for growth, (2) **possibility** of a major earthquake

The **possibility** of getting the disease will drastically increase.

## philosophy

*n.* the study of general and fundamental questions, such as those about existence, reason, knowledge, values, mind  
*synonym* : doctrine, attitude, creed

(1) **philosophy** of education, (2) western **philosophy**  
Ethics is a branch of **philosophy**.

## critique

*n.* a detailed analysis or examination of something, especially a literary, philosophical, or political theory; an essay or article that gives a critical evaluation

*synonym* : review, analysis, appraisal

(1) a **critique** of the social system, (2) devastating **critique**  
Following the **critique** from the professor, students rewrite their essays and submit them for final evaluation.

## essentially

*adv.* relating to the essential features or concepts of anything  
*synonym* : fundamentally, basically, virtually

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

## settle

*v.* to reach an agreement of disagreement

*synonym* : inhabit, occupy, decide

(1) **settle** a dispute, (2) **settle** down in the town  
I don't want to **settle** for second best.

## undetermined

*n.* not yet resolved or concluded; not decided; indefinite; lacking clear limits or boundaries; (of mathematics) cannot be calculated because it is dependent on unknown factors

*synonym* : uncertain, undecided, unresolved

(1) fever of **undetermined** origin, (2) **undetermined** coefficient

The cause of the accident is **undetermined** at this time.

## decision

*n.* the act or process of making up someone's mind about something; a choice or judgment reached after considering options

*synonym* : choice, determination, judgment

(1) **decision** authority, (2) a selfish **decision**

She was struggling to make a **decision** between two job offers.

### determinant

*n.* a factor, circumstance, or condition that contributes to the shaping, influencing, or determining of a particular outcome or result

*synonym* : cause, factor, element

(1) environmental **determinant**, (2) a **determinant** of crop yields

One **determinant** of success is having a positive attitude and a strong work ethic.

### eventually

*adv.* finally, particularly after a long time or a lot of struggle, complications, and so on

*synonym* : finally, someday, ultimately

(1) **eventually** become obsolete, (2) **eventually** succeed

The corporation **eventually** dominated the entire tobacco business.

### technological

*adj.* based on scientific and industrial progress

*synonym* : specialized, technical

(1) **technological** advancement, (2) **technological** policy

**Technological** advances have disrupted many industries.

### deterministic

*adj.* characterized by an assumption of cause and effect and the absence of chance or randomness, often used to describe scientific or engineering calculations

*synonym* : predictable, predetermined, certain

(1) **deterministic** approach, (2) **deterministic** system

The **deterministic** algorithm always produces the same result for a given input.

### plausible

*adj.* seeming reasonable or likely to be true, and therefore convincing

*synonym* : probable, conceivable, credible



(1) **plausible** explanation, (2) a **plausible** liar  
She could find no **plausible** explanation for its failure.

## unlikely

*adj.* not probable or likely to happen  
*synonym*: doubtful, questionable, far-fetched

(1) **unlikely** event, (2) it is **unlikely** that he would win the game

The passage of the bill is **unlikely**.

## encounter

*v.* to face something, particularly something unpleasant or difficult, while attempting to do something else; to meet, especially unexpectedly

*synonym*: meet, run into, come across

(1) **encounter** a crisis, (2) **encounter** a storm

I'm prepared to **encounter** challenges throughout this adventure.

## flint

*n.* a hard, gray stone that can produce sparks when struck with steel used historically to start fires; a type of microcrystalline quartz used for making tools, weapons, and jewelry

*synonym*: hardstone, tinder, firestone

(1) **flint** tools, (2) the **flint** on my lighter

The archeologist found a **flint** arrowhead on the dig site.

## ax

*n.* a tool with a metal blade that is usually attached to a wooden handle and is used for chopping wood or other materials

*synonym*: hatchet, chopper, tomahawk

(1) chop wood with an **ax**, (2) an **ax** in the toolbox

He used an **ax** to chop the firewood for the campfire.

## jet

*n.* a type of aircraft that is powered by one or more jet engines and can fly at high speeds, typically over long distances

*synonym*: plane, aircraft, flier

(1) private **jet**, (2) commercial **jet**

The **jet** flew over the ocean at high speed, reaching its destination in hours.

### afford

v. to have enough money or time to be able to buy or do something

(1) **afford** to buy a new car, (2) **afford** a high travel cost  
He cannot **afford** a holiday.

### achieve

v. to successfully complete a task or goal, often through hard work, perseverance, and dedication; to attain or accomplish something that one has set out to do

*synonym*: accomplish, attain, reach

(1) **achieve** success, (2) **achieve** milestones

I will work hard to **achieve** my goals and realize my dreams.

### assume

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

*synonym*: guess, presume, suppose

(1) **assume** a lousy attitude to his boss, (2) **assume** an important role

The following example **assumes** that the capacity of each battery is the same.

### disturb

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

*synonym*: agitate, bother, intrude

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

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

### argument

n. a set of statements or reasons used to support or refute a proposition or theory; a verbal or physical fight or dispute

*synonym*: debate, discourse, discussion

(1) a blazing **argument**, (2) the **argument** against capital punishment

The **argument** between the two sides over the proposed policy was heated.

## doom

*n.* death, destruction, or some other terrible situation that cannot be avoided

*synonym* : judgment, destiny, fate

(1) economic **doom**, (2) prophet of **doom**

Everyone was aware of the impending **doom** but was unable to prevent it.

## accelerate

*v.* to make something faster or earlier; to cause to develop or progress more quickly

*synonym* : speed up, quicken, rev

(1) **accelerate** a chemical reaction, (2) **accelerate** the car

The government tried to **accelerate** the commercialization of this development.

## inherent

*adj.* existing in something as a permanent, essential, or characteristic attribute

*synonym* : intrinsic, natural, innate

(1) **inherent** risk, (2) have an **inherent** dislike

Honesty is an **inherent** quality that everyone should strive to possess.

## individual

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

*synonym* : person, being, self

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

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

## screw

*v.* to turn something, such as a bolt, with a driver or wrench to tighten or loosen it; (noun) a cylindrical rod with a helical ridge used to fasten things together

*synonym* : tighten, fix, secure

(1) **screw** the cap, (2) a female **screw**

He had to **screw** the loose knob back onto the cabinet door.

## alarming

*adj.* causing concern or apprehension; causing a feeling of danger, harm, or emergency; unsettling or disturbing

*synonym* : forbidding, concerning, disturbing

(1) **alarming** news, (2) **alarming** statistics

The sudden rise in crime rates in our neighborhood is quite **alarming**.

## synbio

*n.* (short for "synthetic biology") a field of science that combines biology and engineering to create new synthetic organisms or biological systems

*synonym* : synthetic biology, genetic engineering

(1) **synbio** research, (2) **synbio** engineering

**Synbio** technology allows scientists to create artificial life forms for various purposes.

## cyberwarfare

*n.* the use of digital technologies, such as hacking, viruses, and other malicious tactics, to disrupt, damage, or destroy computer systems, networks, and electronic devices, to cause harm to individuals, governments, or organizations

*synonym* : cyberattack, online warfare, digital warfare

(1) **cyberwarfare** defense, (2) **cyberwarfare** threats

Experts warn that **cyberwarfare** attacks are becoming increasingly sophisticated and difficult to detect.

## restrict

*v.* to limit someone's actions or movements, or to limit something to lessen its size or prevent it from increasing

*synonym* : limit, confine, hinder

(1) **restrict** an Internet access, (2) **restrict** the use of this parking lot

We **restrict** the number of students per course to twenty.

## develop

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

*synonym* :

evolve, progress, advance

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

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

## halt

*v.* to bring or come to a stop; to force to stop moving or operating

*synonym*: stop, cease, terminate

(1) **halt** production, (2) **halt** progress

The train came to a **halt** at the station.

## progression

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

*synonym*: advancement, development, evolution

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

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

## feasible

*adj.* capable of being or likely to be made, done, or achieved

*synonym*: achievable, possible, attainable

(1) economically **feasible**, (2) **feasible** assumption

It is not **feasible** and inefficient to complete many tasks at once.

## desirable

*adj.* worth having or achieving; pleasing, attractive, or sought after

*synonym*: appealing, attractive, advisable

(1) **desirable** effect, (2) **desirable** result

The beachfront property had a **desirable** location with stunning ocean views.

## bioweapon

*n.* a biological agent or toxin that is intentionally used as a weapon to cause harm or death to humans, animals, or plants and to disrupt social, economic, or political stability

*synonym*: biological weapon, germ warfare, bio-agent

(1) **bioweapon** research, (2) deploy **bioweapons**

Using insects or animals as a vector to spread diseases is a classical **bioweapon**.

## isotope

*n.* a variation of an element that has the same number of protons in its nucleus but a different number of neutrons, resulting in a different atomic mass and often different physical or chemical properties

*synonym*: variant, nuclide, radioisotope

(1) radioactive **isotope**, (2) stable **isotope**

The **isotope** carbon-14 is commonly used in radiocarbon dating of fossils.

## 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.

## nuke

*v.* (derived from "nuclear") to attack or destroy a place or target with a nuclear weapon; to cook food in a microwave oven; (noun) a nuclear weapon, such as a nuclear bomb or missile

*synonym*: blast, bomb, attack

(1) **nuke** a city, (2) **nuke** missile

The government threatened to **nuke** the enemy territory if they didn't surrender.

## acceleration

*n.* a rate of increase in velocity; the rate of change of velocity with respect to time

*synonym*: speed up, quicken, hastening

(1) a unit of **acceleration**, (2) **acceleration** of an object

The car's **acceleration** was impressive, going from 0 to 60 mph in just 5 seconds.

## restriction

*n.* a limitation or constraint placed on something, or the act of limiting or constraining something

*synonym*: limitation, constraint, control

(1) nutritional **restriction**, (2) **restriction** on trade

The **restriction** on travel during the pandemic made it difficult for people to see their loved ones.

## lab

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

*synonym*: workshop, laboratory, research chamber

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

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

## feasibility

*n.* the state or quality of being feasible; the likelihood or possibility of something being successful or able to be accomplished

*synonym*: viability, practicality, workability

(1) determine the **feasibility**, (2) **feasibility** assessment

A **feasibility** study is necessary to determine if a project is viable and worthwhile.

## nation

*n.* a large organized community of people living in a particular country or region and having a particular culture

*synonym*: country, state, sovereign entity

(1) **nation-state**, (2) a seafaring **nation**

The **nation** of Japan is known for its unique culture and advanced technology.

## threat

*n.* a strong indication or likelihood of harm, danger, or adverse consequences; an expression of intent to inflict harm or injury on someone or something, often made as a means of coercion or intimidation

*synonym*: menace, danger, hazard

(1) economic **threat**, (2) environmental **threat**

The **threat** of severe weather prompted the city to issue an

evacuation warning.

## negotiate

*v.* to have formal discussions with someone to reach an agreement

*synonym*: discuss, mediate, bargain

(1) **negotiate** a settlement, (2) **negotiate** the price of the house

We are always happy to **negotiate** a discount.

## logic

*n.* a way of thinking or reasoning conducted or evaluated by strict validity principles; the study of correct reasoning or good arguments

*synonym*: reasoning, reason, ratiocination

(1) an indisputable **logic**, (2) a demonstration in **logic**

There's no **logic** in his description.

## priority

*n.* something that is more important than other things and should be dealt with first

*synonym*: importance, precedence, primacy

(1) **priority** call, (2) **priority** seating for elderly

Her **priority** is to be a mother.

## strict

*adj.* strongly limiting someone's freedom; allowing no deviation from a standard, rule, belief, etc.

*synonym*: rigorous, inflexible, relentless

(1) **strict** compliance regime, (2) in **strict** secrecy

Too **strict** a regulation for the private sector will stifle innovation.

## democracy

*n.* a form of government in which the people have the authority to deliberate and decide legislation, or to choose governing officials to do so

*synonym*: self-government, republic, commonwealth

(1) **democracy** advocate, (2) principles of **democracy**

**Democracy** often entails inclusive capitalism as well.



## synthesis

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

*synonym*: combination, integration, compound

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

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

## device

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

*synonym*: gadget, instrument, tool

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

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

## digital

*adj.* processing or storing information as a succession of 1 and 0 to show that a signal is present or missing; relating to the use of computer technology, especially the internet

*synonym*: numerical, computerized, cyber

(1) a **digital** watch, (2) **digital** electronic signature

Sensors convert physical phenomena into **digital** signals.

## blueprint

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

*synonym*: draft, prototype, sketch

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

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

## finite

*adj.* having a limit or restriction of size, time, etc.

*synonym*: delimited, defined, limited

(1) **finite** resources, (2) **finite** decimal

Human beings have a **finite** lifespan, so we yearn for the idea of immortality.

## choke

*v.* to prevent or obstruct the normal breathing or swallowing of someone or something

*synonym* : strangle, suffocate, clog

(1) **choke** with anger, (2) **choke** off the blood supply

The baby started to **choke** on a piece of apple.

## opportune

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

*synonym* : suitable, timely, practical

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

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

## tight

*adj.* fixed, fastened, or kept together firmly or closely

*synonym* : closed, secured, cramped

(1) a **tight** game, (2) student on a **tight** budget

The national election was held amid **tight** security.

## fundamental

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

*synonym* : basic, essential, entire

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

Human behavior has **fundamental** characteristics.

## profound

*adj.* extremely great; sensed or experienced very strongly; displaying a high level of knowledge or comprehension

*synonym* : deep, unsounded, far-reaching

(1) a **profound** book, (2) the **profound** depths of the sea

My mother's illness had a **profound** impact on us all.

## facial

*adj.* of or relating to a person's face

*synonym* : forward, front, surface

(1) **facial** nerve, (2) **facial** expressions

**Facial** profiling is a new form of airport security.

## recognition

*n.* the action or process of recognizing or being recognized, especially by remembering; an agreement that something is true or legal

*synonym* : acknowledgement, identification, credit

(1) **recognition** award, (2) joint **recognition**

He was given **recognition** for his outstanding work in the field of medicine.

## spot

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

*synonym* : dot, mark, place

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

This remote **spot** is rarely visited.

## sociopath

*n.* a person who exhibits a disregard for other people's rights, feelings, and safety; someone who lacks empathy or the ability to understand and share the feelings of others; sometimes used interchangeably with the term "psychopath"

*synonym* : psychopath, antisocial

(1) psychopathic **sociopath**, (2) narcissistic **sociopath**

The psychiatrist recognized signs of **sociopathy** in his patient's behavior.

## hybrid

*adj.* composed of different elements or mixed characters

*synonym* : blended, mixed, combined

(1) new **hybrid** system, (2) an interspecific **hybrid**

The mule is a **hybrid** between a male donkey and a female horse.

## eliminate

*v.* to remove or get rid of someone or something

*synonym* : wipe out, destroy, eradicate

(1) **eliminate** contestants, (2) **eliminate** sexual barriers

We can **eliminate** this possibility from those consumptions.

## incarcerate

*v.* to put or keep somebody in prison or in a place from which they cannot escape

*synonym* : confine, detain, imprison

(1) **incarcerate** the murderer, (2) **incarcerate** her for life

He was **incarcerated** for the duration of the war.

## persuade

v. to convince or induce someone to do something by presenting a reason or argument; to sway or influence someone's decision or opinion

*synonym*: convince, influence, sway

(1) attempt to **persuade**, (2) **persuade** enough people

She tried to **persuade** her brother to join her on the trip, but he was too busy with work.

## compete

v. to strive to achieve more success than someone or something

*synonym*: contend, contest, vie

(1) **compete** against a friend, (2) **compete** fiercely

You must **compete** with others to obtain this position.

## religion

n. a deep conviction in a supernatural power that controls human destiny

*synonym*: faith, creed, belief

(1) **religion** sociology, (2) freedom of **religion**

Their **religion** strictly prohibits them from drinking or gambling.

## recommend

v. to suggest that someone or something would be a suitable fit for a particular purpose or role

*synonym*: advise, suggest, instruct

(1) **recommend** a hospitalization, (2) **recommend** reading

We **recommend** taking media training every six months.

## gamble

v. to take risky action in the hope of being successful; to play or game for money or other stakes

*synonym*: bet, venture, wager

(1) **gamble** \$100 on the race, (2) **gamble** away my fortune

Will you **gamble** on the result of the fight?

## deter

v. to discourage or prevent someone from doing something

*synonym*: prevent, discourage, forestall

(1) **deter** aggression, (2) **deter** crime

The high fence was meant to **deter** intruders from entering the property.

## rely

v. to require a specific thing or the assistance and support of someone or something to continue, run properly, or succeed.

*synonym*: depend, count, lean

(1) **rely** on convenience stores, (2) **rely** entirely on him  
Babies heavily **rely** on others for food.

## safeguard

v. to protect something or someone from harm, damage, or loss

*synonym*: protect, assure, conserve

(1) **safeguard** my property, (2) **safeguard** environmental quality

This measure will **safeguard** people against terrorism.

## stabilize

v. to become or cause to become steady or unlikely to give way

*synonym*: brace, steady, secure

(1) **stabilize** prices, (2) **stabilize** blood sugar levels

The raising of interest rates **stabilizes** the inflation rate.

## spectrum

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

*synonym*: range, scale, spread

(1) a broad **spectrum** of opinion, (2) infrared **spectrum**

This device displayed the speech **spectrum** spectrographically.

## intercept

v. to stop and catch someone or something to prevent them from continuing to a destination

*synonym*: ambush, block, prevent

(1) **intercept** an enemy force, (2) **intercept** X rays

It is illegal to **intercept** police radio.

## ubiquitous

*adj.* being or existing everywhere at once

*synonym* : universal, omnipresent, everywhere

(1) **ubiquitous** computing, (2) **ubiquitous** across ecosystems

Sugar is **ubiquitous** in food.

## surveillance

*n.* the act of carefully monitoring a person suspected of a crime or a place where a crime may be committed or expected

*synonym* : administration, overseeing, control

(1) he is kept under **surveillance**, (2) **surveillance** cameras

The novel contains a criticism of the **surveillance** society.

## monitor

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

*synonym* : proctor, check, observe

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

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

## minority

*n.* the smaller part of a group, especially a number or part representing less than half of the whole; a period before adult legal age

*synonym* : adolescence, nonage, juvenility

(1) a **minority** position, (2) number of **minority** students

Some ethnic **minority** groups experienced discrimination in society.

## AI

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

*synonym* : robot, machine learning, neural network

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

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

## algorithm

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

*synonym* : logic, method, rule

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

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

## mass

*n.* a large amount of a substance with no definite shape or form; a large number of people or things grouped or crowded together

*synonym* : abundance, crowd, mob

(1) a **mass** of molten rock, (2) critical **mass**

The **mass** of people who do not own property is politically impotent.

## necklace

*n.* a piece of jewelry that is worn around the neck, typically consisting of a chain or cord with a pendant, charms, or beads attached

*synonym* : chain, choker, pendant

(1) beaded **necklace**, (2) pearl **necklace**

She received a beautiful **necklace** from her grandmother as a birthday gift.

## directional

*adj.* relating to or indicating orientation; having a certain course; related to the management or control of an organization in a particular direction

*synonym* : aimed, oriented, focused

(1) **directional** antenna, (2) **directional** sound

The airplane's new **directional** radar system allowed for safer and more efficient travel.

## conversation

*n.* an informal talk between two or more people to exchange their views, ideas, information, etc.

*synonym* : chat, discussion, dialogue

(1) **conversation** in English, (2) a friendly **conversation**

Your **conversation** reflects your thoughts.

## mind-blowing

*adj.* extremely impressive in a way that affects someone's mind or emotions

*synonym* : amazing, incredible, shocking

(1) **mind-blowing** discovery, (2) a **mind-blowing** horror story

The **mind-blowing** effects of the psychedelic drug were unlike anything he had ever experienced.

## governance

*n.* the act or process of governing or managing a political, social, or economic entity; the systems or principles that guide such processes

*synonym* : administration, management, direction

(1) good **governance**, (2) corporate **governance**

The United Nations assists countries in building strong **governance** frameworks and institutions.

## gap

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

*synonym* : opening, lacuna, spread

(1) the **gap** between ideal and reality, (2) distance **gap**

Many people are working together to close the gender **gap**.

## micro

*n.* extremely small in scale or scope; one millionth

(1) **micro** bubble, (2) **micro** force sensor

This approach employs both **micro** and macro analysis methods.

## illegal

*adj.* not allowed by law

*synonym* : banned, prohibited, illicit

(1) **illegal** drugs, (2) child of **illegal** immigrants

The customs agents seized the **illegal** shipment.

## corresponding

*adj.* similar to, connected with, or accompanying something, especially in position or purpose

*synonym* : matching, equivalent, analogous

(1) find a **corresponding** lack, (2) the **corresponding** word



in Spanish

The **corresponding** number on the dial was 3.

## macro

*n.* (computing) a set of instructions that automate a frequently used series of keystrokes or mouse actions; (photography) a lens that allows you to take close-up photographs; (economics) a large-scale economic policy or system

*synonym*: large-scale, big-picture, major

(1) **macro** economy, (2) **macro** scale

**Macro** photography is a technique that allows you to take close-up photos of small objects.

## reliable

*adj.* worthy of being relied on; trustworthy

*synonym*: dependable, trustworthy, dedicated

(1) **reliable** access, (2) guarantee **reliable** delivery

Trains are **reliable**, inexpensive, and ideal for long-distance travel.

## coordination

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

*synonym*: cooperation, teamwork, collaboration

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

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

## cataclysm

*n.* a sudden violent event that changes the earth's environment, such as a flood or a war

*synonym*: disaster, catastrophe, turmoil

(1) global **cataclysm**, (2) existential **cataclysm**

The earthquake was a **cataclysm** from which the local people never recovered.

## definitely

*adv.* without any question and beyond doubt; clearly

*synonym*: absolutely, certainly, indeed

(1) **definitely** become a problem, (2) say **definitely**

The paper is **definitely** worth reading thoroughly.

## fashion

*n.* a style that is popular at a particular time or place; the state of being popular

*synonym*: style, manner, fad

(1) go out of **fashion**, (2) new **fashion** trends

That style is no longer in **fashion**.

## reorganize

*v.* to change to a more sufficient or suitable form of organization

*synonym*: rearrange, reconstruct, reshuffle

(1) **reorganize** a department, (2) **reorganize** his debts

The new CEO was appointed to **reorganize** their business.

## rove

*v.* to move or travel aimlessly or in a wandering fashion; to roam or wander over a wide area

*synonym*: wander, roam, traverse

(1) **rove** the globe, (2) **rove** the countryside

We decided to **rove** around the city to explore new neighborhoods.

## criminal

*n.* a person who has committed a crime

*synonym*: offender, lawbreaker, delinquent

(1) wanted **criminal**, (2) **criminal** investigation

The police are searching for the **criminal** who stole the jewels.

## nation-state

*n.* a sovereign political entity that is composed of a nation, which is a group of people who share a common cultural, linguistic, or ethnic identity

*synonym*: sovereignty, independence, autonomy

(1) emerging **nation-state**, (2) **nation-state** autonomy

Some people argue that the rise of globalization has weakened the power of **nation-states**.

## hunt

*v.* to go after and try to catch wild animals to kill them for food, sport, or profit

*synonym* : chase, pursuit, quest

(1) **hunt** a job, (2) **hunt** after knowledge

Hounds **hunt** their prey by using their keen scent.

## chief

*adj.* most important or primary; (noun) a person who is in charge

*synonym* : essential, primary, leading

(1) **chief** accountant, (2) **chief** events of the year

Mining is a **chief** source of income for the country.

## downside

*n.* the negative aspects or consequences of something; the potential for loss or failure

*synonym* : drawback, negative, disadvantage

(1) major **downside**, (2) **downside** of globalization

The **downside** of the new policy was that it would be more expensive for customers.

## recognize

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

*synonym* : acknowledge, identify, admit

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

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

## naive

*adj.* showing unaffected simplicity and lack of experience, wisdom, or judgment

*synonym* : innocent, unsophisticated, gullible

(1) **naive** belief, (2) **naive** mistake

The con artist's lies quickly took in the **naive** young man.

## consequence

*n.* the outcome of a particular action or event, especially relative to an individual

*synonym* : result, impact, outcome

(1) unintended **consequences**, (2) the **consequence** of an argument

These economic activities had disastrous environmental

## consequences.

### uncomfortable

*adj.* providing or feeling physical discomfort or slight pain

*synonym* : comfortless, discomforting, painful

(1) an **uncomfortable** silence, (2) with an **uncomfortable** face

His abusive words made me **uncomfortable**.

### tempting

*adj.* likely to attract or persuade someone to do something, especially something that may not be wise or safe

*synonym* : alluring, attractive, inviting

(1) **tempting** offer, (2) sound very **tempting**

The chocolate cake was too **tempting** for me to resist.

### greatly

*adv.* to an extraordinary extent or degree; very much

*synonym* : enormously, broadly, grandly

(1) **greatly** affect the situation, (2) **greatly** support that player

They **greatly** admired our actions.

### reboot

*v.* to restart a computer or other device by loading and rerunning the operating system; to restart or resume an activity, process, or situation after a pause or interruption, often to improve it

*synonym* : restart, refresh, reinitialize

(1) **reboot** your career, (2) **reboot** system

I had to **reboot** my computer after it crashed unexpectedly.

### rot

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

*synonym* : perish, decay, corrode

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

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

### 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.

## probable

*adj.* likely to happen or likely to be true

*synonym*: likely, possible, potential

(1) **probable** outcome, (2) **probable** cause of a fire  
It seems **probable** that he has forgotten our scheduled meeting.

## threshold

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

*synonym*: anteroom, brink, verge

(1) the **threshold** between rooms, (2) high pain **threshold**  
She's on the **threshold** of adulthood.

## devastation

*n.* the act of causing great destruction or damage, often on a large scale

*synonym*: destruction, ruin, havoc

(1) financial **devastation**, (2) **devastation** to life  
The economic recession caused **devastation** in the housing market, with many people losing their homes.

## catastrophe

*n.* a sudden event that causes extreme ruin and misfortune

*synonym*: disaster, calamity, cataclysm

(1) **catastrophe** risk management, (2) avoid climate **catastrophe**

The lack of funds has resulted in a **catastrophe** for our university system.

## definition

*n.* a concise explanation of the meaning of a word, phrase, or symbol

*synonym*: description, connotation, meaning

(1) a precise **definition**, (2) the **definition** of a word  
Parallel lines are, by **definition**, lines on the same plane that never cross.

## reduction

*n.* a decrease in size, amount, or degree

*synonym*: diminution, decrease, cutback

(1) **reduction** strategy, (2) a gradual **reduction**

The **reduction** in carbon emissions has been significant since the implementation of the new policy.

## estimate

*v.* to guess or calculate the cost, size, value, etc. of something

*synonym*: calculate, gauge, evaluate

(1) **estimate** a fair value, (2) **estimate** this chicken to weigh three pounds

We **estimated** the season's total trade deficit at \$50 billion.

## frightening

*adj.* causing fear or alarm, or very surprising and alarming

*synonym*: scary, terrifying, alarming

(1) cast **frightening** eyes, (2) **frightening** experience

The news of the pandemic was a **frightening** reminder of the fragility of human health.

## optimist

*n.* a person who tends to expect the best in all things and to be hopeful and confident about the future

*synonym*: positive thinker, dreamer, idealist

(1) **optimist** by nature, (2) excessive **optimist**

She is a confident **optimist** who always looks on the bright side.

## amaze

*v.* to fill with wonder, surprise, or admiration

*synonym*: astound, surprise, stagger

(1) **amaze** and entertain visitors, (2) **amaze** everyone

The magician's tricks **amazed** the audience.

## scare

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

*synonym*: frighten, spook, intimidate

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

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

## daylight

*n.* the natural light produced by the sun during the day, especially in contrast to artificial light or darkness

*synonym*: sunlight, daytime, day

(1) **daylight** hours, (2) natural **daylight**

The view of the city skyline from the top of the building looked amazing in the **daylight**.

## Session 2: Spelling

1. il\_\_\_\_l drugs *adj.* not allowed by law
2. dir\_\_\_\_\_\_al sound *adj.* relating to or indicating orientation; having a certain course; related to the management or control of an organization in a particular direction
3. evolutionary bi\_\_\_\_y *n.* the scientific study of life and the natural processes of living things
4. psychopathic so\_\_\_\_th *n.* a person who exhibits a disregard for other people's rights, feelings, and safety; someone who lacks empathy or the ability to understand and share the feelings of others; sometimes used interchangeably with the term "psychopath"
5. de\_\_\_\_cy advocate *n.* a form of government in which the people have the authority to deliberate and decide legislation, or to choose governing officials to do so
6. financial in\_\_\_\_ves *n.* something, such as a punishment, reward, etc., that encourages a person to do something
7. de\_\_\_\_le effect *adj.* worth having or achieving; pleasing, attractive, or sought after
8. share of a mu\_\_\_\_l fund *adj.* common to or shared by two or more parties
9. natural da\_\_\_\_ht *n.* the natural light produced by the sun during the day, especially in contrast to artificial light or darkness

ANSWERS: 1. illegal, 2. directional, 3. biology, 4. sociopath, 5. democracy, 6. incentive, 7. desirable, 8. mutual, 9. daylight



10. unintended con\_\_\_\_\_ces *n.* the outcome of a particular action or event, especially relative to an individual
11. el\_\_\_\_\_te sexual barriers *v.* to remove or get rid of someone or something
12. neutral hydrogen a\_\_ms *n.* the smallest unit of ordinary matter that forms a chemical element, composed of a nucleus and one or more electrons bound to the nucleus
13. inc\_\_\_\_\_ze carpooling *v.* to make someone want to do in a particular way by offering them a reward
14. dir\_\_\_\_\_al antenna *adj.* relating to or indicating orientation; having a certain course; related to the management or control of an organization in a particular direction
15. ev\_\_\_e over the past decade *v.* to develop gradually, or to cause the development of something or someone gradually
16. a vul\_\_\_\_\_le bridge *adj.* capable of being hurt or influenced physically or mentally
17. nat\_\_\_\_\_ate autonomy *n.* a sovereign political entity that is composed of a nation, which is a group of people who share a common cultural, linguistic, or ethnic identity
18. al\_\_t consumers to the dangers *v.* to warn or arouse to a sense of danger; (adjective) paying close attention or being in a state of readiness for action
19. a habit des\_\_\_\_\_ve to health *adj.* causing or able to cause tremendous and irreparable damage

ANSWERS: 10. consequence, 11. eliminate, 12. atom, 13. incentivize, 14. directional, 15. evolve, 16. vulnerable, 17. nation-state, 18. alert, 19. destructive

20. go out of fa\_\_\_\_\_n  
*n.* a style that is popular at a particular time or place; the state of being popular
21. pearl ne\_\_\_\_\_ce  
*n.* a piece of jewelry that is worn around the neck, typically consisting of a chain or cord with a pendant, charms, or beads attached
22. re\_\_\_\_\_on strategy  
*n.* a decrease in size, amount, or degree
23. stay phy\_\_\_\_\_ly fit  
*adv.* in a way related to a person's body or appearance rather than their mind
24. student on a ti\_\_t budget  
*adj.* fixed, fastened, or kept together firmly or closely
25. common in\_\_\_\_\_on  
*n.* the creation of a new device or process resulting from study and experimentation; the act of inventing
26. it is un\_\_\_\_\_ly that he would win the game  
*adj.* not probable or likely to happen
27. af\_\_\_d a high travel cost  
*v.* to have enough money or time to be able to buy or do something
28. design to be dis\_\_\_\_\_ve  
*adj.* having a quality or characteristic that makes it stand out from others
29. ubi\_\_\_\_\_us computing  
*adj.* being or existing everywhere at once
30. su\_\_\_\_\_e a blizzard  
*v.* to live or exist despite a dangerous event or period
31. pa\_\_\_\_\_er estimation  
*n.* a numerical or other measurable factors that characterize a system or set of data
32. begin to r\_t  
*v.* to decay, or cause something to decay, naturally and gradually

ANSWERS: 20. fashion, 21. necklace, 22. reduction, 23. physically, 24. tight, 25. invention, 26. unlikely, 27. afford, 28. distinctive, 29. ubiquitous, 30. survive, 31. parameter, 32. rot

33. n\_\_e missile
- v. (derived from "nuclear") to attack or destroy a place or target with a nuclear weapon; to cook food in a microwave oven; (noun) a nuclear weapon, such as a nuclear bomb or missile
34. chop wood with an ax
- n. a tool with a metal blade that is usually attached to a wooden handle and is used for chopping wood or other materials
35. re\_\_\_\_\_le subscriptions
- adj. capable of being renewed, extended, or replaced
36. cr\_\_\_\_\_ve writing
- adj. relating to or involving the use of skill and original and unusual ideas to create something
37. acc\_\_\_\_\_te a chemical reaction
- v. to make something faster or earlier; to cause to develop or progress more quickly
38. apply AI technology to art
- n. (abbreviation for artificial intelligence) the theory and development of computer systems capable of doing activities that would ordinarily need human intelligence, such as object recognition, speech recognition, decision-making, and language translation
39. deploy bi\_\_\_\_\_ons
- n. a biological agent or toxin that is intentionally used as a weapon to cause harm or death to humans, animals, or plants and to disrupt social, economic, or political stability

ANSWERS: 33. nuke, 34. ax, 35. renewable, 36. creative, 37. accelerate, 38. AI, 39. bioweapon



51. for con\_\_\_\_\_ce sake *n.* the state of being suitable or opportune
52. say def\_\_\_\_\_ly *adv.* without any question and beyond doubt; clearly
53. ga\_\_\_e \$100 on the race *v.* to take risky action in the hope of being successful; to play or game for money or other stakes
54. radioactive ur\_\_\_\_\_m isotope *n.* a chemical element with the symbol U, atomic number 92, that is a dense, silvery-white metal that is radioactive and is used as a fuel for nuclear power plants
55. s\_\_d castle *n.* finely granulated particles of rock or mineral material typically found along beaches, deserts, or riverbeds; used in construction, landscaping, and other applications requiring drainage or abrasive action
56. at\_\_\_h firmly *v.* to fasten, join, or connect one thing to another
57. fever of und\_\_\_\_\_ned origin *n.* not yet resolved or concluded; not decided; indefinite; lacking clear limits or boundaries; (of mathematics) cannot be calculated because it is dependent on unknown factors
58. bre\_\_\_\_\_ugh in the negotiations *n.* a sudden, dramatic, and important discovery or development that helps to improve a situation or provide an answer to a problem
59. cr\_\_y about cars and racing *adj.* stupid or not sensible; very angry

ANSWERS: 51. convenience, 52. definitely, 53. gamble, 54. uranium, 55. sand, 56. attach, 57. undetermined, 58. breakthrough, 59. crazy



71. the fl\_\_t on my lighter *n.* a hard, gray stone that can produce sparks when struck with steel used historically to start fires; a type of microcrystalline quartz used for making tools, weapons, and jewelry
72. pe\_\_\_\_de enough people *v.* to convince or induce someone to do something by presenting a reason or argument; to sway or influence someone's decision or opinion
73. he is kept under sur\_\_\_\_\_nce *n.* the act of carefully monitoring a person suspected of a crime or a place where a crime may be committed or expected
74. st\_\_\_\_\_ze prices *v.* to become or cause to become steady or unlikely to give way
75. re\_\_\_\_\_n from alcohol *v.* to avoid or stop doing something; to hold oneself back from an action
76. AI expert *n.* (abbreviation for artificial intelligence) the theory and development of computer systems capable of doing activities that would ordinarily need human intelligence, such as object recognition, speech recognition, decision-making, and language translation
77. a large st\_\_k of paper *n.* a pile of something arranged or laid one on top of another; a large tall chimney through which combustion gases and smoke can be evacuated
78. su\_\_\_\_\_e a plane crash *v.* to live or exist despite a dangerous event or period

ANSWERS: 71. flint, 72. persuade, 73. surveillance, 74. stabilize, 75. refrain, 76. AI, 77. stack, 78. survive

79. sa\_\_\_\_\_rd environmental quality      *v.* to protect something or someone from harm, damage, or loss
80. good gov\_\_\_\_\_ce      *n.* the act or process of governing or managing a political, social, or economic entity; the systems or principles that guide such processes
81. ob\_\_\_\_\_s reasons      *adj.* easy to see, discover or understand
82. emerging nat\_\_\_\_\_ate      *n.* a sovereign political entity that is composed of a nation, which is a group of people who share a common cultural, linguistic, or ethnic identity
83. pa\_\_\_\_\_er tuning      *n.* a numerical or other measurable factors that characterize a system or set of data
84. dis\_\_\_\_\_ve ability      *adj.* having a quality or characteristic that makes it stand out from others
85. de\_\_\_\_\_le result      *adj.* worth having or achieving; pleasing, attractive, or sought after
86. al\_\_\_\_\_ng statistics      *adj.* causing concern or apprehension; causing a feeling of danger, harm, or emergency; unsettling or disturbing
87. sy\_\_\_\_\_ic fertilizer      *adj.* made by combining chemical substances as opposed to being naturally occurring
88. biomass f\_\_l      *n.* a substance that is typically burned to generate heat or energy
89. la\_\_\_h a spaceship into orbit      *v.* to send or propel something into the air or space using a device such as a rocket, missile, or spacecraft; to make something available or on sale for the first time

ANSWERS: 79. safeguard, 80. governance, 81. obvious, 82. nation-state, 83. parameter, 84. distinctive, 85. desirable, 86. alarming, 87. synthetic, 88. fuel, 89. launch



90. avoid climate cat\_\_\_\_\_he *n.* a sudden event that causes extreme ruin and misfortune
91. a unit of acc\_\_\_\_\_ion *n.* a rate of increase in velocity; the rate of change of velocity with respect to time
92. re\_\_\_t your career *v.* to restart a computer or other device by loading and rerunning the operating system; to restart or resume an activity, process, or situation after a pause or interruption, often to improve it
93. bre\_\_\_\_\_ugh discovery *n.* a sudden, dramatic, and important discovery or development that helps to improve a situation or provide an answer to a problem
94. a precise def\_\_\_\_\_on *n.* a concise explanation of the meaning of a word, phrase, or symbol
95. the g\_p between ideal and reality *n.* a conspicuous disparity or difference separates something such as a figure, people, their opinions, situation, etc.
96. his conclusion was ob\_\_\_\_\_s *adj.* easy to see, discover or understand
97. mi\_\_o bubble *n.* extremely small in scale or scope; one millionth
98. have apo\_\_\_\_\_ic overtones *adj.* describing severe damage and destruction in past or future events, or the end of the world
99. u\_n decoration *n.* a large, typically rounded container, often made of ceramic, metal, or glass, used for storing the ashes of a cremated person or pet or for decorative purposes

ANSWERS: 90. catastrophe, 91. acceleration, 92. reboot, 93. breakthrough, 94. definition, 95. gap, 96. obvious, 97. micro, 98. apocalyptic, 99. urn

100. op\_\_\_\_\_ne occasion *adj.* suitable or happening at a time that is suitable or convenient for a particular purpose
101. joint rec \_\_\_\_\_on *n.* the action or process of recognizing or being recognized, especially by remembering; an agreement that something is true or legal
102. cell and molecular bi\_\_\_\_\_y *n.* the scientific study of life and the natural processes of living things
103. pl\_\_\_\_\_um reactor *n.* a radioactive chemical element with the symbol Pu and atomic number 94 used in nuclear reactors and weapons, which is produced from uranium in nuclear reactors and occurs naturally in trace amounts
104. si\_\_\_\_\_te a future scenario *v.* to make a pretense of someone's behavior or looks; to reproduce something that exists in real life using computers, models, etc., usually for study or training purposes
105. lead to des \_\_\_\_\_ve behavior *adj.* causing or able to cause tremendous and irreparable damage
106. na \_\_\_\_\_le device *adj.* on a scale that can be measured in nanometres (= one billionth of a meter); on a very small scale
107. private j\_t *n.* a type of aircraft that is powered by one or more jet engines and can fly at high speeds, typically over long distances
108. pr\_\_\_\_\_le cause of a fire *adj.* likely to happen or likely to be true

ANSWERS: 100. opportune, 101. recognition, 102. biology, 103. plutonium, 104. simulate, 105. destructive, 106. nanoscale, 107. jet, 108. probable

109. re\_\_\_\_\_al waste *adj.* relating to or constituting a remainder or leftover portion; remaining after other elements or factors have been removed or taken into account
110. mo\_\_\_\_\_to bite *n.* a small flying insect whose female bites people and animals and sucks their blood, and sometimes transmits serious diseases such as malaria
111. st\_\_\_\_e a blow *v.* to wallop somebody or something with the hand, fist, or weapon; to have an emotional or cognitive impact upon
112. an interspecific hy\_\_\_\_d *adj.* composed of different elements or mixed characters
113. pl\_\_\_\_\_le explanation *adj.* seeming reasonable or likely to be true, and therefore convincing
114. the atmospheric tem\_\_\_\_\_re *n.* the degree of hotness or coldness of a thing or place
115. res\_\_\_\_\_on on trade *n.* a limitation or constraint placed on something, or the act of limiting or constraining something
116. develop a st\_\_\_\_\_gy *n.* a detailed plan of action designed to achieve a long-term or overall goal.
117. ine\_\_\_\_\_ly decline with age *adv.* in a manner that cannot be avoided or prevented
118. ho\_\_\_\_\_le accident *adj.* extremely unpleasant or bad; causing fear or disgust
119. ma\_\_\_\_\_e amounts *adj.* enormous amount; very heavy and solid
120. pl\_\_\_\_\_um contamination *n.* a radioactive chemical element with the symbol Pu and atomic number 94 used in nuclear reactors and weapons, which is produced from uranium in nuclear reactors and occurs naturally in trace amounts

ANSWERS: 109. residual, 110. mosquito, 111. strike, 112. hybrid, 113. plausible, 114. temperature, 115. restriction, 116. strategy, 117. inevitably, 118. horrible, 119. massive, 120. plutonium

121. det\_\_\_\_\_on velocity *n.* a sudden and violent explosion, often caused by the ignition of an explosive substance; the act of causing something to explode
122. existential ca\_\_\_\_\_sm *n.* a sudden violent event that changes the earth's environment, such as a flood or a war
123. the in\_\_\_\_\_on of new techniques *n.* the creation of a new device or process resulting from study and experimentation; the act of inventing
124. mentally un\_\_\_\_\_le *adj.* lacking solidity, persistence, or firmness and therefore not strong, safe, or likely to continue; lacking control of one's emotions
125. l\_b instrument *n.* a workplace for the conduct of scientific research; a laboratory
126. op\_\_\_\_\_st by nature *n.* a person who tends to expect the best in all things and to be hopeful and confident about the future
127. con\_\_\_\_\_ion in English *n.* an informal talk between two or more people to exchange their views, ideas, information, etc.
128. re\_\_t against his way of thinking *v.* to take action in response to something
129. a ben\_\_\_\_\_al result *adj.* helpful, useful, or sound; promoting or enhancing well-being
130. 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

ANSWERS: 121. detonation, 122. cataclysm, 123. invention, 124. unstable, 125. lab, 126. optimist, 127. conversation, 128. react, 129. beneficial, 130. discovery

131. re\_\_\_\_\_ct the use of this parking lot      *v.* to limit someone's actions or movements, or to limit something to lessen its size or prevent it from increasing
132. excessive op\_\_\_\_\_st      *n.* a person who tends to expect the best in all things and to be hopeful and confident about the future
133. ad\_\_\_\_\_on of vectors      *n.* the act or process of adding something to something else; the process of adding numbers
134. economically fe\_\_\_\_\_le      *adj.* capable of being or likely to be made, done, or achieved
135. mo\_\_\_\_\_r an exam      *v.* to observe, check, and track the progress or quality of something over a period of time
136. a seafaring na\_\_\_\_\_n      *n.* a large organized community of people living in a particular country or region and having a particular culture
137. freedom of re\_\_\_\_\_on      *n.* a deep conviction in a supernatural power that controls human destiny
138. ma\_\_o economy      *n.* (computing) a set of instructions that automate a frequently used series of keystrokes or mouse actions; (photography) a lens that allows you to take close-up photographs; (economics) a large-scale economic policy or system
139. eve\_\_\_\_\_ly become obsolete      *adv.* finally, particularly after a long time or a lot of struggle, complications, and so on
140. re\_\_\_\_\_nd reading      *v.* to suggest that someone or something would be a suitable fit for a particular purpose or role

ANSWERS: 131. restrict, 132. optimist, 133. addition, 134. feasible, 135. monitor, 136. nation, 137. religion, 138. macro, 139. eventually, 140. recommend

141. min\_\_\_\_\_ing discovery *adj.* extremely impressive in a way that affects someone's mind or emotions
142. effects of cl\_\_\_\_\_e change *n.* the weather in a particular location averaged over some long period
143. pro\_\_\_\_\_on of disease *n.* the act or process of changing to the next stage or phase or moving forward
144. sc\_\_e off her attacker by screaming *v.* to frighten a person or animal, or to become frightened
145. se\_\_\_\_\_te cream from milk *v.* to force, take, or pull apart; mark as different
146. di\_\_\_\_\_b the peace *v.* to interrupt someone who is trying to work, sleep, etc.
147. de\_\_\_\_\_p a skill *v.* to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created
148. fe\_\_\_\_\_ty rate *n.* the ability to produce an abundance of offspring or creative works; fertility; productivity
149. al\_\_\_\_\_hm for image processing *n.* a set of rules or rigorous instructions typically used to solve a specific problem or to perform a computation
150. economic th\_\_\_\_t *n.* a strong indication or likelihood of harm, danger, or adverse consequences; an expression of intent to inflict harm or injury on someone or something, often made as a means of coercion or intimidation

ANSWERS: 141. mind-blowing, 142. climate, 143. progression, 144. scare, 145. separate, 146. disturb, 147. develop, 148. fecundity, 149. algorithm, 150. threat

151. pro\_\_\_\_\_on of civilization *n.* the act or process of changing to the next stage or phase or moving forward
152. atomic b\_\_bs *n.* a weapon that explodes and is used to kill or injure people or to cause damage to something
153. sy\_\_\_o engineering *n.* (short for "synthetic biology") a field of science that combines biology and engineering to create new synthetic organisms or biological systems
154. env\_\_\_\_\_nt affairs *n.* the natural world such as air, water, and land in which humans, animals, and plants live
155. b\_t on a race *v.* to risk money on the result of an event or a competition, such as a race or game, to get more money; to have faith or confidence in something
156. sl\_\_\_\_\_ly alkaline soils *adv.* in a small degree or extent; a little
157. de\_\_\_\_\_t settings *v.* to fail to fulfill an obligation or pay a debt when it is due; to fail to meet expectations or perform as required; to choose or accept a predetermined option or condition without making a deliberate selection or choice; (noun) a failure to fulfill an obligation or to meet a requirement; the pre-set or automatic settings that a system or program uses when the user has selected no other options
158. sc\_\_e the birds away *v.* to frighten a person or animal, or to become frightened

ANSWERS: 151. progression, 152. bomb, 153. synbio, 154. environment, 155. bet, 156. slightly, 157. default, 158. scare

159. a selfish de\_\_\_\_on *n.* the act or process of making up someone's mind about something; a choice or judgment reached after considering options
160. vi\_\_d colors *adj.* producing very clear, powerful, and detailed images in the mind
161. economic d\_\_m *n.* death, destruction, or some other terrible situation that cannot be avoided
162. memorial u\_n *n.* a large, typically rounded container, often made of ceramic, metal, or glass, used for storing the ashes of a cremated person or pet or for decorative purposes
163. en\_\_\_\_\_er a storm *v.* to face something, particularly something unpleasant or difficult, while attempting to do something else; to meet, especially unexpectedly
164. im\_\_y the presence of alien *v.* to indicate the truth or existence of something without referring to it
165. am\_\_e and entertain visitors *v.* to fill with wonder, surprise, or admiration
166. tec\_\_\_\_\_cal policy *adj.* based on scientific and industrial progress
167. stable is\_\_\_\_\_e *n.* a variation of an element that has the same number of protons in its nucleus but a different number of neutrons, resulting in a different atomic mass and often different physical or chemical properties

ANSWERS: 159. decision, 160. vivid, 161. doom, 162. urn, 163. encounter, 164. imply, 165. amaze, 166. technological, 167. isotope



168. ev\_\_\_e *v.* to develop gradually, or to cause the development of something or someone gradually
169. re\_\_\_\_\_n from religious activity *v.* to avoid or stop doing something; to hold oneself back from an action
170. st\_\_\_\_\_ze blood sugar levels *v.* to become or cause to become steady or unlikely to give way
171. environmental th\_\_\_t *n.* a strong indication or likelihood of harm, danger, or adverse consequences; an expression of intent to inflict harm or injury on someone or something, often made as a means of coercion or intimidation
172. new fa\_\_\_\_\_n trends *n.* a style that is popular at a particular time or place; the state of being popular
173. inv\_\_\_\_\_ly correct *adv.* in every case or on every occasion; without exception
174. ho\_\_\_\_\_le smell *adj.* extremely unpleasant or bad; causing fear or disgust
175. bi\_\_\_\_\_on research *n.* a biological agent or toxin that is intentionally used as a weapon to cause harm or death to humans, animals, or plants and to disrupt social, economic, or political stability
176. cr\_\_\_s management *n.* a time of great disagreement, confusion, or danger when problems must be resolved or critical decisions must be taken
177. a tr\_\_\_y recipe to follow *adj.* requiring care and skill because challenging to do or deal with

ANSWERS: 168. evolve, 169. refrain, 170. stabilize, 171. threat, 172. fashion, 173. invariably, 174. horrible, 175. bioweapon, 176. crisis, 177. tricky

178. am\_\_e everyone      *v.* to fill with wonder, surprise, or admiration
179. medical l\_b      *n.* a workplace for the conduct of scientific research; a laboratory
180. the th\_\_\_\_\_ld between rooms      *n.* the floor or ground that forms the bottom of a doorway and offers support when passing through a doorway; the smallest detectable sensation
181. co\_\_\_\_\_e fiercely      *v.* to strive to achieve more success than someone or something
182. sound very te\_\_\_\_\_ng      *adj.* likely to attract or persuade someone to do something, especially something that may not be wise or safe
183. smokeless f\_\_l      *n.* a substance that is typically burned to generate heat or energy
184. ind\_\_\_\_\_lly designed product      *adv.* separately or apart from others
185. in\_\_\_\_\_pt X rays      *v.* to stop and catch someone or something to prevent them from continuing to a destination
186. de\_\_\_e centigrade      *n.* a unit of measurement for angles, temperature, or level of proficiency or achievement; a rank or level of academic or professional attainment
187. de\_\_\_\_\_p a strategy      *v.* to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created

ANSWERS: 178. amaze, 179. lab, 180. threshold, 181. compete, 182. tempting, 183. fuel, 184. individually, 185. intercept, 186. degree, 187. develop

188. a m\_\_s of molten rock *n.* a large amount of a substance with no definite shape or form; a large number of people or things grouped or crowded together
189. have no re\_\_\_\_\_ce *n.* the state or degree of being closely connected or appropriate to the matter at hand
190. inc\_\_\_\_\_ze the right behavior *v.* to make someone want to do in a particular way by offering them a reward
191. cou\_\_\_\_\_ple to the theory *n.* an example that contradicts or disproves a given hypothesis or generalization; evidence or an instance that renders an argument or statement invalid
192. gr\_\_\_\_\_y support that player *adv.* to an extraordinary extent or degree; very much
193. dr\_\_e flight *n.* a low continuous humming noise; someone who takes more time than necessary; a pilot-less aerial vehicle that is operated by remote control
194. answer questions ind\_\_\_\_\_lly *adv.* separately or apart from others
195. accidental det\_\_\_\_\_on *n.* a sudden and violent explosion, often caused by the ignition of an explosive substance; the act of causing something to explode
196. a n\_\_k on the fender of a car *n.* a small cut, notch, or indentation in a surface or an edge
197. b\_t detection *n.* a computer program or software application that is capable of performing automated tasks, often on the internet; a type of electronic device that provides autonomous service or assistance to users

ANSWERS: 188. mass, 189. relevance, 190. incentivize, 191. counterexample, 192. greatly, 193. drone, 194. individually, 195. detonation, 196. nick, 197. bot

198. phy\_\_\_\_\_ly and mentally *adv.* in a way related to a person's body or appearance rather than their mind
199. cruise mi\_\_\_\_\_e attack *n.* a weapon, such as a rocket or guided projectile, that is self-propelled and directed by remote control or by an internal guidance mechanism
200. devastating cr\_\_\_\_\_ue *n.* a detailed analysis or examination of something, especially a literary, philosophical, or political theory; an essay or article that gives a critical evaluation
201. ga\_\_\_e away my fortune *v.* to take risky action in the hope of being successful; to play or game for money or other stakes
202. burning of fo\_\_\_l fuels *n.* any preserved remains, impression, or trace of any once-living thing that has become hard and turned into rock
203. a s\_\_t on his honor *n.* a particular location or place; a small round or roundish area, differing in color or feels from the surface around it
204. with an unc\_\_\_\_\_ble face *adj.* providing or feeling physical discomfort or slight pain
205. un\_\_\_\_\_le weather *adj.* lacking solidity, persistence, or firmness and therefore not strong, safe, or likely to continue; lacking control of one's emotions
206. na\_\_\_n-state *n.* a large organized community of people living in a particular country or region and having a particular culture

ANSWERS: 198. physically, 199. missile, 200. critique, 201. gamble, 202. fossil, 203. spot, 204. uncomfortable, 205. unstable, 206. nation

207. se\_\_\_\_\_te video into chapter      *v.* to force, take, or pull apart; mark as different
208. pos\_\_\_\_\_ty of a major earthquake      *n.* a chance that something may happen or be true
209. a brief ex\_\_\_\_\_t from the book      *n.* a short passage taken from a book, piece of music, etc.; a substance obtained from something through a specific process; (verb) to obtain from something or to remove something by effort or force
210. do\_\_\_\_\_de of globalization      *n.* the negative aspects or consequences of something; the potential for loss or failure
211. es\_\_\_\_\_te this chicken to weigh three pounds      *v.* to guess or calculate the cost, size, value, etc. of something
212. mi\_\_o force sensor      *n.* extremely small in scale or scope; one millionth
213. h\_\_t a job      *v.* to go after and try to catch wild animals to kill them for food, sport, or profit
214. disarm the b\_\_b      *n.* a weapon that explodes and is used to kill or injure people or to cause damage to something
215. ess\_\_\_\_\_ly correct      *adv.* relating to the essential features or concepts of anything
216. co\_\_\_\_\_e against a friend      *v.* to strive to achieve more success than someone or something
217. re\_\_\_\_\_ve factors      *adj.* considered and evaluated through comparison with something else

ANSWERS: 207. separate, 208. possibility, 209. extract, 210. downside, 211. estimate, 212. micro, 213. hunt, 214. bomb, 215. essentially, 216. compete, 217. relative

218. become full of sen\_\_\_\_\_ty      *n.* the ability to perceive or respond to subtle differences or changes; the ability to understand and respond to the needs and feelings of others
219. a demonstration in lo\_\_c      *n.* a way of thinking or reasoning conducted or evaluated by strict validity principles; the study of correct reasoning or good arguments
220. mo\_\_\_\_\_r the data carefully      *v.* to observe, check, and track the progress or quality of something over a period of time
221. tr\_\_\_\_\_on cubic feet      *n.* the number 1,000,000,000,000; a million million
222. a sw\_\_m of mosquitoes      *n.* a group of many things, such as insects, fishes, etc., in the air or water or on the ground
223. a female sc\_\_w      *v.* to turn something, such as a bolt, with a driver or wrench to tighten or loosen it; (noun) a cylindrical rod with a helical ridge used to fasten things together
224. r\_\_y entirely on him      *v.* to require a specific thing or the assistance and support of someone or something to continue, run properly, or succeed.
225. development of aut\_\_\_\_\_us vehicles      *adj.* capable of governing or controlling its affairs
226. en\_\_\_\_\_er a crisis      *v.* to face something, particularly something unpleasant or difficult, while attempting to do something else; to meet, especially unexpectedly

ANSWERS: 218. sensitivity, 219. logic, 220. monitor, 221. trillion, 222. swarm, 223. screw, 224. rely, 225. autonomous, 226. encounter

227. western phi\_\_\_\_\_hy                    *n.* the study of general and fundamental questions, such as those about existence, reason, knowledge, values, mind
228. principles of de\_\_\_\_\_cy                *n.* a form of government in which the people have the authority to deliberate and decide legislation, or to choose governing officials to do so
229. un\_\_\_\_\_ly event                        *adj.* not probable or likely to happen
230. visual me\_\_\_\_\_or                        *n.* a figure of speech in which an expression is used to refer to something that it does not denote to suggest a similarity
231. tr\_\_\_\_\_y negotiation                    *n.* a formal agreement or pact between two or more countries or other international entities
232. new hy\_\_\_\_\_d system                    *adj.* composed of different elements or mixed characters
233. pr\_\_\_\_\_s improvement                    *n.* a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products
234. sy\_\_\_\_\_is of ammonia                    *n.* the combination of components or elements to form a more complex whole; the creation of something new through combining parts or elements

ANSWERS: 227. philosophy, 228. democracy, 229. unlikely, 230. metaphor, 231. treaty, 232. hybrid, 233. process, 234. synthesis

235. fea\_\_\_\_\_ty assessment *n.* the state or quality of being feasible; the likelihood or possibility of something being successful or able to be accomplished
236. re\_\_\_\_\_nt by a diagram *v.* to speak, act, or be present on behalf of another person or group; to form or constitute
237. es\_\_\_\_\_te a fair value *v.* to guess or calculate the cost, size, value, etc. of something
238. con\_\_\_\_\_ce goods *n.* the state of being suitable or opportune
239. de\_\_r aggression *v.* to discourage or prevent someone from doing something
240. a ra\_\_\_\_\_l flaw in the plan *adj.* relating to the essential aspects of anything; far beyond the norm, mainly used of opinions and actions
241. the degree of dif\_\_\_\_\_ty *n.* a condition or state that causes problems
242. critical m\_\_s *n.* a large amount of a substance with no definite shape or form; a large number of people or things grouped or crowded together
243. bestowed bl\_\_\_\_\_ngs *n.* a gift or favor from a higher power or force; an act or expression of approval, encouragement, or gratitude; something that brings happiness or good fortune
244. le\_\_\_\_l injection *adj.* causing or capable of causing death; extremely dangerous
245. r\_\_e the globe *v.* to move or travel aimlessly or in a wandering fashion; to roam or wander over a wide area

ANSWERS: 235. feasibility, 236. represent, 237. estimate, 238. convenience, 239. deter, 240. radical, 241. difficulty, 242. mass, 243. blessing, 244. lethal, 245. rove



246. guarantee re\_\_\_\_\_le delivery *adj.* worthy of being relied on; trustworthy
247. ac\_\_\_\_\_e success *v.* to successfully complete a task or goal, often through hard work, perseverance, and dedication; to attain or accomplish something that one has set out to do
248. a cr\_\_\_\_\_ue of the social system *n.* a detailed analysis or examination of something, especially a literary, philosophical, or political theory; an essay or article that gives a critical evaluation
249. have a st\_\_\_\_\_e job *adj.* firm and steady; not easily moved, disturbed, or changed
250. child of il\_\_\_\_\_l immigrants *adj.* not allowed by law
251. und\_\_\_\_\_ned coefficient *n.* not yet resolved or concluded; not decided; indefinite; lacking clear limits or boundaries; (of mathematics) cannot be calculated because it is dependent on unknown factors
252. a ti\_\_t game *adj.* fixed, fastened, or kept together firmly or closely
253. a private ind\_\_\_\_\_al *n.* a single person or thing, as distinct from a group
254. nutritional res\_\_\_\_\_on *n.* a limitation or constraint placed on something, or the act of limiting or constraining something
255. pre-mo\_\_\_\_n agricultural society *adj.* of or belonging to the present time or recent times
256. n\_\_k on my hand *n.* a small cut, notch, or indentation in a surface or an edge

ANSWERS: 246. reliable, 247. achieve, 248. critique, 249. stable, 250. illegal, 251. undetermined, 252. tight, 253. individual, 254. restriction, 255. modern, 256. nick

257. the ar\_\_\_\_\_nt against capital punishment
258. an in\_\_\_\_\_ve to work hard
259. eve\_\_\_\_\_ly succeed
260. le\_\_\_\_l weapon
261. mi\_\_\_\_\_ve popcorn
262. radioactive is\_\_\_\_\_e
263. an int\_\_\_\_\_nce test
264. d\_m-building program
- n.* a set of statements or reasons used to support or refute a proposition or theory; a verbal or physical fight or dispute
- n.* something, such as a punishment, reward, etc., that encourages a person to do something
- adv.* finally, particularly after a long time or a lot of struggle, complications, and so on
- adj.* causing or capable of causing death; extremely dangerous
- n.* a form of electromagnetic radiation with wavelengths ranging from about one millimeter to one meter and frequencies between 300 MHz (0.3 GHz) and 300 GHz; an electric oven that cooks food by exposing it to high-frequency electromagnetic radiation, which causes the food molecules to vibrate and heat up quickly
- n.* a variation of an element that has the same number of protons in its nucleus but a different number of neutrons, resulting in a different atomic mass and often different physical or chemical properties
- n.* the ability to learn, comprehend, or make judgments or conclusions based on reasons
- n.* a wall constructed over a river to block the flow of water, mainly used to generate energy

ANSWERS: 257. argument, 258. incentive, 259. eventually, 260. lethal, 261. microwave, 262. isotope, 263. intelligence, 264. dam

265. path of des\_\_\_\_\_on *n.* the act of causing so much damage to something
266. fa\_\_\_l expressions *adj.* of or relating to a person's face
267. acc\_\_\_\_\_te the car *v.* to make something faster or earlier; to cause to develop or progress more quickly
268. in st\_\_\_e condition *adj.* firm and steady; not easily moved, disturbed, or changed
269. mu\_\_\_l efforts *adj.* common to or shared by two or more parties
270. a mi\_\_\_\_\_ty position *n.* the smaller part of a group, especially a number or part representing less than half of the whole; a period before adult legal age
271. mi\_\_\_\_\_ve radiation *n.* a form of electromagnetic radiation with wavelengths ranging from about one millimeter to one meter and frequencies between 300 MHz (0.3 GHz) and 300 GHz; an electric oven that cooks food by exposing it to high-frequency electromagnetic radiation, which causes the food molecules to vibrate and heat up quickly
272. a det\_\_\_\_\_nt of crop yields *n.* a factor, circumstance, or condition that contributes to the shaping, influencing, or determining of a particular outcome or result
273. de\_\_\_e my position *v.* to state or explain precisely the nature, scope, or meaning of something

ANSWERS: 265. destruction, 266. facial, 267. accelerate, 268. stable, 269. mutual, 270. minority, 271. microwave, 272. determinant, 273. define

274. a ra\_\_\_\_\_l cure *adj.* relating to the essential aspects of anything; far beyond the norm, mainly used of opinions and actions
275. an ax in the toolbox *n.* a tool with a metal blade that is usually attached to a wooden handle and is used for chopping wood or other materials
276. nuclear ph\_\_\_\_\_s *n.* the science of matter and energy and their interactions
277. high st\_\_k *n.* a pile of something arranged or laid one on top of another; a large tall chimney through which combustion gases and smoke can be evacuated
278. inc\_\_\_\_\_te her for life *v.* to put or keep somebody in prison or in a place from which they cannot escape
279. sa\_\_\_\_\_rd my property *v.* to protect something or someone from harm, damage, or loss
280. di\_\_\_\_\_l electronic signature *adj.* processing or storing information as a succession of 1 and 0 to show that a signal is present or missing; relating to the use of computer technology, especially the internet
281. mathematical cou\_\_\_\_\_ple *n.* an example that contradicts or disproves a given hypothesis or generalization; evidence or an instance that renders an argument or statement invalid
282. geo\_\_\_\_\_ing technology *n.* the study of finding ways to change the Earth's climate system, primarily to reduce global warming; deliberate and large-scale intervention in the Earth's climate system

ANSWERS: 274. radical, 275. ax, 276. physics, 277. stack, 278. incarcerate, 279. safeguard, 280. digital, 281. counterexample, 282. geoengineering

283. fri\_\_\_\_\_ng experience *adj.* causing fear or alarm, or very surprising and alarming
284. bachelor's de\_\_\_e *n.* a unit of measurement for angles, temperature, or level of proficiency or achievement; a rank or level of academic or professional attainment
285. sen\_\_\_\_\_ty analysis *n.* the ability to perceive or respond to subtle differences or changes; the ability to understand and respond to the needs and feelings of others
286. tracking de\_\_\_e *n.* a piece of equipment, tool, or technology that serves a particular purpose or function, often mechanical or electronic
287. 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
288. distance g\_p *n.* a conspicuous disparity or difference separates something such as a figure, people, their opinions, situation, etc.
289. ma\_\_o scale *n.* (computing) a set of instructions that automate a frequently used series of keystrokes or mouse actions; (photography) a lens that allows you to take close-up photographs; (economics) a large-scale economic policy or system
290. na\_\_e mistake *adj.* showing unaffected simplicity and lack of experience, wisdom, or judgment
291. an\_\_\_\_\_y in the classroom *n.* a state of society without government or law

ANSWERS: 283. frightening, 284. degree, 285. sensitivity, 286. device, 287. discovery, 288. gap, 289. macro, 290. naive, 291. anarchy

292. a pr\_\_\_\_\_nd book *adj.* extremely great; sensed or experienced very strongly; displaying a high level of knowledge or comprehension
293. gr\_\_\_\_\_y affect the situation *adv.* to an extraordinary extent or degree; very much
294. ben\_\_\_\_\_al to all countries *adj.* helpful, useful, or sound; promoting or enhancing well-being
295. cat\_\_\_\_\_he risk management *n.* a sudden event that causes extreme ruin and misfortune
296. ind\_\_\_\_\_al freedom *n.* a single person or thing, as distinct from a group
297. nuclear wa\_\_\_\_\_d *n.* the explosive or destructive part of a missile, rocket, or other weapons that are designed to explode on impact or detonation
298. en\_\_\_\_h a gas with a balloon *v.* to make better or improve in quality by adding something else
299. vul\_\_\_\_\_le parts of the body *adj.* capable of being hurt or influenced physically or mentally
300. loss of muscle coo\_\_\_\_\_ion *n.* the act of making all the people involved in a plan or activity work together effectively; the ability to control different parts of the body effectively
301. laws of ph\_\_\_\_\_s *n.* the science of matter and energy and their interactions
302. the RSA al\_\_\_\_\_hm *n.* a set of rules or rigorous instructions typically used to solve a specific problem or to perform a computation
303. d\_m collapsing *n.* a wall constructed over a river to block the flow of water, mainly used to generate energy

ANSWERS: 292. profound, 293. greatly, 294. beneficial, 295. catastrophe, 296. individual, 297. warhead, 298. enrich, 299. vulnerable, 300. coordination, 301. physics, 302. algorithm, 303. dam

304. a pl\_\_\_\_\_le liar *adj.* seeming reasonable or likely to be true, and therefore convincing
305. a friendly con\_\_\_\_\_ion *n.* an informal talk between two or more people to exchange their views, ideas, information, etc.
306. an unc\_\_\_\_\_ble silence *adj.* providing or feeling physical discomfort or slight pain
307. re\_\_\_\_\_ze achievement *v.* to acknowledge or realize something or someone; to identify, remember, or become aware of something that was previously known or encountered
308. su\_\_\_\_\_e you're right *v.* to think that something is likely to be actual or possible
309. a ge\_\_\_\_s for music *n.* someone who has exceptional intellectual ability and originality
310. su\_\_\_\_\_e beforehand *v.* to think that something is likely to be actual or possible
311. r\_\_\_\_y on convenience stores *v.* to require a specific thing or the assistance and support of someone or something to continue, run properly, or succeed.
312. st\_\_\_\_t compliance regime *adj.* strongly limiting someone's freedom; allowing no deviation from a standard, rule, belief, etc.
313. af\_\_\_\_d to buy a new car *v.* to have enough money or time to be able to buy or do something
314. def\_\_\_\_\_ly become a problem *adv.* without any question and beyond doubt; clearly
315. bl\_\_\_\_\_nt for economic reform *n.* a photographic print of an early plan for a building or machine

ANSWERS: 304. plausible, 305. conversation, 306. uncomfortable, 307. recognize, 308. suppose, 309. genius, 310. suppose, 311. rely, 312. strict, 313. afford, 314. definitely, 315. blueprint

316. narcissistic so\_\_\_\_\_th *n.* a person who exhibits a disregard for other people's rights, feelings, and safety; someone who lacks empathy or the ability to understand and share the feelings of others; sometimes used interchangeably with the term "psychopath"
317. mo\_\_\_\_n poetry *adj.* of or belonging to the present time or recent times
318. ill\_\_\_\_\_te a key point *v.* to provide pictures, photographs, diagrams, etc. in a book or something for explanation
319. global climate tr\_\_\_\_y *n.* a formal agreement or pact between two or more countries or other international entities
320. tr\_\_\_\_\_r a biochemical response *v.* to make something happen suddenly; to cause something such as a device, machine, etc. to function
321. environmental det\_\_\_\_\_nt *n.* a factor, circumstance, or condition that contributes to the shaping, influencing, or determining of a particular outcome or result
322. al\_\_\_\_\_ng news *adj.* causing concern or apprehension; causing a feeling of danger, harm, or emergency; unsettling or disturbing
323. r\_t with age *v.* to decay, or cause something to decay, naturally and gradually
324. geo\_\_\_\_\_ing schemes *n.* the study of finding ways to change the Earth's climate system, primarily to reduce global warming; deliberate and large-scale intervention in the Earth's climate system

ANSWERS: 316. sociopath, 317. modern, 318. illustrate, 319. treaty, 320. trigger, 321. determinant, 322. alarming, 323. rot, 324. geoengineering



325. r\_\_e the countryside      *v.* to move or travel aimlessly or in a wandering fashion; to roam or wander over a wide area
326. increase sl\_\_\_\_ly      *adv.* in a small degree or extent; a little
327. qu\_\_e a price      *v.* to repeat or reproduce the words or statement of someone else, often acknowledging the source; to give an estimated cost or price for goods or services
328. as\_\_\_e an important role      *v.* to think or accept something to be true without having proof of it; to take or begin to have power; to begin to exhibit a specific quality or appearance
329. me\_\_\_\_or for death      *n.* a figure of speech in which an expression is used to refer to something that it does not denote to suggest a similarity
330. financial dev\_\_\_\_on      *n.* the act of causing great destruction or damage, often on a large scale
331. inc\_\_\_\_te the murderer      *v.* to put or keep somebody in prison or in a place from which they cannot escape
332. sc\_\_w the cap      *v.* to turn something, such as a bolt, with a driver or wrench to tighten or loosen it; (noun) a cylindrical rod with a helical ridge used to fasten things together
333. reo\_\_\_\_ze his debts      *v.* to change to a more sufficient or suitable form of organization
334. re\_\_\_\_ze talent      *v.* to acknowledge or realize something or someone; to identify, remember, or become aware of something that was previously known or encountered

ANSWERS: 325. rove, 326. slightly, 327. quote, 328. assume, 329. metaphor, 330. devastation, 331. incarcerate, 332. screw, 333. reorganize, 334. recognize

335. se\_\_\_e a dispute *v.* to reach an agreement of disagreement
336. ubi\_\_\_\_us across ecosystems *adj.* being or existing everywhere at once
337. cast fri\_\_\_\_\_ng eyes *adj.* causing fear or alarm, or very surprising and alarming
338. a ra\_\_\_m choice *adj.* made, done, or happening without method, conscious decision, or any regular pattern
339. re\_\_\_\_\_on sociology *n.* a deep conviction in a supernatural power that controls human destiny
340. cen\_\_\_\_\_ge tube *n.* a machine that uses centrifugal force (= a type of inertial force that appears to act on an object moving in a circular path and is directed away from the center) to separate substances of different densities, especially to separate liquids from solids
341. h\_\_t after knowledge *v.* to go after and try to catch wild animals to kill them for food, sport, or profit
342. the con\_\_\_\_\_ce of an argument *n.* the outcome of a particular action or event, especially relative to an individual
343. intellectual f\_\_t *n.* a notable or impressive achievement, especially one that requires great skill or bravery
344. 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

ANSWERS: 335. settle, 336. ubiquitous, 337. frightening, 338. random, 339. religion, 340. centrifuge, 341. hunt, 342. consequence, 343. feat, 344. argue

345. sy\_\_\_o research *n.* (short for "synthetic biology") a field of science that combines biology and engineering to create new synthetic organisms or biological systems
346. architect's bl\_\_\_\_\_nt *n.* a photographic print of an early plan for a building or machine
347. f\_\_t accomplishment *n.* a notable or impressive achievement, especially one that requires great skill or bravery
348. a gradual re\_\_\_\_\_on *n.* a decrease in size, amount, or degree
349. cyclonic des\_\_\_\_\_on *n.* the act of causing so much damage to something
350. a fo\_\_\_l leaf *n.* any preserved remains, impression, or trace of any once-living thing that has become hard and turned into rock
351. ma\_\_\_\_\_e stars *adj.* enormous amount; very heavy and solid
352. chemical ad\_\_\_\_\_on *n.* the act or process of adding something to something else; the process of adding numbers
353. botanical ex\_\_\_\_\_t *n.* a short passage taken from a book, piece of music, etc.; a substance obtained from something through a specific process; (verb) to obtain from something or to remove something by effort or force
354. di\_\_\_\_\_b his sleep *v.* to interrupt someone who is trying to work, sleep, etc.
355. as\_\_\_e a lousy attitude to his boss *v.* to think or accept something to be true without having proof of it; to take or begin to have power; to begin to exhibit a specific quality or appearance

ANSWERS: 345. synbio, 346. blueprint, 347. feat, 348. reduction, 349. destruction, 350. fossil, 351. massive, 352. addition, 353. extract, 354. disturb, 355. assume

356. a remote re\_\_\_\_ve *adj.* considered and evaluated through comparison with something else
357. a min\_\_\_\_\_ing horror story *adj.* extremely impressive in a way that affects someone's mind or emotions
358. many tr\_\_\_\_ons of dollars *n.* the number 1,000,000,000,000; a million million
359. im\_\_y a strong correlation *v.* to indicate the truth or existence of something without referring to it
360. st\_\_\_e up a conversation *v.* to wallop somebody or something with the hand, fist, or weapon; to have an emotional or cognitive impact upon
361. the speaker's dr\_\_e *n.* a low continuous humming noise; someone who takes more time than necessary; a pilot-less aerial vehicle that is operated by remote control
362. phi\_\_\_\_\_hy of education *n.* the study of general and fundamental questions, such as those about existence, reason, knowledge, values, mind
363. new and com\_\_\_\_\_ng evidence *adj.* arousing strong and irresistible interest, attention, or admiration
364. high fe\_\_\_\_\_ty *n.* the ability to produce an abundance of offspring or creative works; fertility; productivity
365. protein sy\_\_\_\_\_is inhibitor *n.* the combination of components or elements to form a more complex whole; the creation of something new through combining parts or elements
366. acc\_\_\_\_\_ion of an object *n.* a rate of increase in velocity; the rate of change of velocity with respect to time

ANSWERS: 356. relative, 357. mind-blowing, 358. trillion, 359. imply, 360. strike, 361. drone, 362. philosophy, 363. compelling, 364. fecundity, 365. synthesis, 366. acceleration

367. el\_\_\_\_\_te contestants *v.* to remove or get rid of someone or something
368. beauty s\_\_t *n.* a particular location or place; a small round or roundish area, differing in color or feels from the surface around it
369. reo\_\_\_\_\_ze a department *v.* to change to a more sufficient or suitable form of organization
370. beaded ne\_\_\_\_\_ce *n.* a piece of jewelry that is worn around the neck, typically consisting of a chain or cord with a pendant, charms, or beads attached
371. dif\_\_\_\_\_ty in breathing *n.* a condition or state that causes problems
372. tell a com\_\_\_\_\_ng story *adj.* arousing strong and irresistible interest, attention, or admiration
373. barren of cr\_\_\_\_\_ve spirit *adj.* relating to or involving the use of skill and original and unusual ideas to create something
374. commercial j\_t *n.* a type of aircraft that is powered by one or more jet engines and can fly at high speeds, typically over long distances
375. chaotic env\_\_\_\_\_nt *n.* the natural world such as air, water, and land in which humans, animals, and plants live
376. la\_\_\_h a big attack *v.* to send or propel something into the air or space using a device such as a rocket, missile, or spacecraft; to make something available or on sale for the first time

ANSWERS: 367. eliminate, 368. spot, 369. reorganize, 370. necklace, 371. difficulty, 372. compelling, 373. creative, 374. jet, 375. environment, 376. launch

377. mi\_\_\_\_e defense *n.* a weapon, such as a rocket or guided projectile, that is self-propelled and directed by remote control or by an internal guidance mechanism
378. fi\_\_\_e resources *adj.* having a limit or restriction of size, time, etc.
379. bombs fell at ra\_\_\_m *adj.* made, done, or happening without method, conscious decision, or any regular pattern
380. en\_\_\_h public services *v.* to make better or improve in quality by adding something else
381. sy\_\_\_\_\_ic fiber *adj.* made by combining chemical substances as opposed to being naturally occurring
382. cyb\_\_\_\_\_are defense *n.* the use of digital technologies, such as hacking, viruses, and other malicious tactics, to disrupt, damage, or destroy computer systems, networks, and electronic devices, to cause harm to individuals, governments, or organizations
383. fe\_\_\_\_\_le assumption *adj.* capable of being or likely to be made, done, or achieved
384. an indisputable lo\_\_c *n.* a way of thinking or reasoning conducted or evaluated by strict validity principles; the study of correct reasoning or good arguments
385. financial cr\_\_\_s *n.* a time of great disagreement, confusion, or danger when problems must be resolved or critical decisions must be taken

ANSWERS: 377. missile, 378. finite, 379. random, 380. enrich, 381. synthetic, 382. cyberwarfare, 383. feasible, 384. logic, 385. crisis

386. se\_\_\_e down in the town      *v.* to reach an agreement of disagreement
387. te\_\_\_\_\_ng offer      *adj.* likely to attract or persuade someone to do something, especially something that may not be wise or safe
388. ch\_\_e off the blood supply      *v.* to prevent or obstruct the normal breathing or swallowing of someone or something
389. military st\_\_\_\_\_gy      *n.* a detailed plan of action designed to achieve a long-term or overall goal.
390. a bold hyp\_\_\_\_\_is      *n.* a proposed idea or explanation that is based on a few known facts but has not yet been proven to be true or accurate
391. det\_\_\_\_\_tic system      *adj.* characterized by an assumption of cause and effect and the absence of chance or randomness, often used to describe scientific or engineering calculations
392. e\_\_t air pollution      *v.* to give off or send out something such as light, heat, sound, gas, etc.
393. ch\_\_f events of the year      *adj.* most important or primary; (noun) a person who is in charge
394. str\_\_\_\_\_al analyses      *adj.* associated with the way on construction or organization of anything
395. data coo\_\_\_\_\_ion      *n.* the act of making all the people involved in a plan or activity work together effectively; the ability to control different parts of the body effectively
396. ur\_\_\_\_\_m mining      *n.* a chemical element with the symbol U, atomic number 92, that is a dense, silvery-white metal that is radioactive and is used as a fuel for nuclear power plants

ANSWERS: 386. settle, 387. tempting, 388. choke, 389. strategy, 390. hypothesis, 391. deterministic, 392. emit, 393. chief, 394. structural, 395. coordination, 396. uranium

397. infrared sp\_\_\_\_\_um *n.* an ordered array of colors into which a light beam can be split
398. a broad sp\_\_\_\_\_um of opinion *n.* an ordered array of colors into which a light beam can be split
399. ch\_\_n reaction *n.* a series of connected links or objects; a system or group of interconnected elements; a restraint or shackle
400. cyb\_\_\_\_\_are threats *n.* the use of digital technologies, such as hacking, viruses, and other malicious tactics, to disrupt, damage, or destroy computer systems, networks, and electronic devices, to cause harm to individuals, governments, or organizations
401. na\_\_e belief *adj.* showing unaffected simplicity and lack of experience, wisdom, or judgment
402. wa\_\_\_\_\_d missile *n.* the explosive or destructive part of a missile, rocket, or other weapons that are designed to explode on impact or detonation
403. s\_\_d dunes *n.* finely granulated particles of rock or mineral material typically found along beaches, deserts, or riverbeds; used in construction, landscaping, and other applications requiring drainage or abrasive action
404. cr\_\_\_\_\_al investigation *n.* a person who has committed a crime
405. re\_\_\_t system *v.* to restart a computer or other device by loading and rerunning the operating system; to restart or resume an activity, process, or situation after a pause or interruption, often to improve it

ANSWERS: 397. spectrum, 398. spectrum, 399. chain, 400. cyberwarfare, 401. naive, 402. warhead, 403. sand, 404. criminal, 405. reboot



406. un\_\_\_k value *v.* to open something, such as a door, window, etc., usually using a key
407. mo\_\_\_\_\_to repellent *n.* a small flying insect whose female bites people and animals and sucks their blood, and sometimes transmits serious diseases such as malaria
408. ne\_\_\_\_\_te the price of the house *v.* to have formal discussions with someone to reach an agreement
409. extreme tem\_\_\_\_\_res *n.* the degree of hotness or coldness of a thing or place
410. de\_\_\_\_\_yed evidence *v.* to ruin or damage severely or completely; to eradicate or eliminate completely
411. tec\_\_\_\_\_cal advancement *adj.* based on scientific and industrial progress
412. the pr\_\_\_\_\_nd depths of the sea *adj.* extremely great; sensed or experienced very strongly; displaying a high level of knowledge or comprehension
413. re\_\_\_\_\_ct an Internet access *v.* to limit someone's actions or movements, or to limit something to lessen its size or prevent it from increasing
414. exotic plants in a gre\_\_\_\_\_se *n.* a building with walls and roof made chiefly of transparent material, such as glass, for growing plants in
415. fo\_\_\_\_\_e the consequences *v.* to perceive or predict; to anticipate or expect something to happen in the future
416. in st\_\_\_t secrecy *adj.* strongly limiting someone's freedom; allowing no deviation from a standard, rule, belief, etc.

ANSWERS: 406. unlock, 407. mosquito, 408. negotiate, 409. temperature, 410. destroy, 411. technological, 412. profound, 413. restrict, 414. greenhouse, 415. foresee, 416. strict

417. fa\_\_\_l nerve *adj.* of or relating to a person's face
418. spam b\_t *n.* a computer program or software application that is capable of performing automated tasks, often on the internet; a type of electronic device that provides autonomous service or assistance to users
419. pr\_\_\_\_ty seating for elderly *n.* something that is more important than other things and should be dealt with first
420. prophet of d\_\_m *n.* death, destruction, or some other terrible situation that cannot be avoided
421. the def\_\_\_\_\_on of a word *n.* a concise explanation of the meaning of a word, phrase, or symbol
422. re\_\_\_\_\_le energy *adj.* capable of being renewed, extended, or replaced
423. fl\_\_t tools *n.* a hard, gray stone that can produce sparks when struck with steel used historically to start fires; a type of microcrystalline quartz used for making tools, weapons, and jewelry
424. apo\_\_\_\_\_ic event *adj.* describing severe damage and destruction in past or future events, or the end of the world
425. 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
426. n\_\_e a city *v.* (derived from "nuclear") to attack or destroy a place or target with a nuclear weapon; to cook food in a microwave oven; (noun) a nuclear weapon, such as a nuclear bomb or missile

ANSWERS: 417. facial, 418. bot, 419. priority, 420. doom, 421. definition, 422. renewable, 423. flint, 424. apocalyptic, 425. argue, 426. nuke

427. supply ch\_\_n *n.* a series of connected links or objects; a system or group of interconnected elements; a restraint or shackle
428. ill\_\_\_\_\_te a story *v.* to provide pictures, photographs, diagrams, etc. in a book or something for explanation
429. tr\_\_\_\_\_r inflation *v.* to make something happen suddenly; to cause something such as a device, machine, etc. to function
430. a blazing ar\_\_\_\_\_nt *n.* a set of statements or reasons used to support or refute a proposition or theory; a verbal or physical fight or dispute
431. a di\_\_\_\_\_l watch *adj.* processing or storing information as a succession of 1 and 0 to show that a signal is present or missing; relating to the use of computer technology, especially the internet
432. an op\_\_\_\_\_ne remark *adj.* suitable or happening at a time that is suitable or convenient for a particular purpose
433. de\_\_\_\_\_on authority *n.* the act or process of making up someone's mind about something; a choice or judgment reached after considering options
434. det\_\_\_\_\_tic approach *adj.* characterized by an assumption of cause and effect and the absence of chance or randomness, often used to describe scientific or engineering calculations

ANSWERS: 427. chain, 428. illustrate, 429. trigger, 430. argument, 431. digital, 432. opportune, 433. decision, 434. deterministic

435. wanted cr\_\_\_\_al *n.* a person who has committed a crime
436. the characters that re\_\_\_\_nt numbers *v.* to speak, act, or be present on behalf of another person or group; to form or constitute
437. high pain th\_\_\_\_ld *n.* the floor or ground that forms the bottom of a doorway and offers support when passing through a doorway; the smallest detectable sensation
438. use of nu\_\_\_\_r power *adj.* of or relating to or constituting the nucleus of an atom; deriving destructive energy from the release of atomic energy
439. nu\_\_\_\_r fusion *adj.* of or relating to or constituting the nucleus of an atom; deriving destructive energy from the release of atomic energy
440. chemical re\_\_\_\_on *n.* a response that reveals a person's feelings or attitude; (in chemistry) a process in which one or more substances are changed into others
441. de\_\_\_e a word *v.* to state or explain precisely the nature, scope, or meaning of something
442. b\_t my future *v.* to risk money on the result of an event or a competition, such as a race or game, to get more money; to have faith or confidence in something
443. qu\_\_e a source *v.* to repeat or reproduce the words or statement of someone else, often acknowledging the source; to give an estimated cost or price for goods or services

ANSWERS: 435. criminal, 436. represent, 437. threshold, 438. nuclear, 439. nuclear, 440. reaction, 441. define, 442. bet, 443. quote

444. fi\_\_\_e decimal *adj.* having a limit or restriction of size, time, etc.
445. de\_\_\_\_t on the mortgage *v.* to fail to fulfill an obligation or pay a debt when it is due; to fail to meet expectations or perform as required; to choose or accept a predetermined option or condition without making a deliberate selection or choice; (noun) a failure to fulfill an obligation or to meet a requirement; the pre-set or automatic settings that a system or program uses when the user has selected no other options
446. a cr\_\_y scheme *adj.* stupid or not sensible; very angry
447. ultra-high-speed cen\_\_\_\_\_ges *n.* a machine that uses centrifugal force (= a type of inertial force that appears to act on an object moving in a circular path and is directed away from the center) to separate substances of different densities, especially to separate liquids from solids
448. determine the fea\_\_\_\_\_ty *n.* the state or quality of being feasible; the likelihood or possibility of something being successful or able to be accomplished
449. inv\_\_\_\_\_ly polite *adv.* in every case or on every occasion; without exception
450. de\_\_r crime *v.* to discourage or prevent someone from doing something
451. the cor\_\_\_\_\_ing word in Spanish *adj.* similar to, connected with, or accompanying something, especially in position or purpose

ANSWERS: 444. finite, 445. default, 446. crazy, 447. centrifuge, 448. feasibility, 449. invariably, 450. deter, 451. corresponding

452. oxygen a\_\_m *n.* the smallest unit of ordinary matter that forms a chemical element, composed of a nucleus and one or more electrons bound to the nucleus
453. still vi\_\_d in my memory *adj.* producing very clear, powerful, and detailed images in the mind
454. a cold cl\_\_\_\_\_e *n.* the weather in a particular location averaged over some long period
455. rec\_\_\_\_\_on award *n.* the action or process of recognizing or being recognized, especially by remembering; an agreement that something is true or legal
456. number of mi\_\_\_\_\_ty students *n.* the smaller part of a group, especially a number or part representing less than half of the whole; a period before adult legal age
457. ine\_\_\_\_\_ly reach the consumer *adv.* in a manner that cannot be avoided or prevented
458. test my hyp\_\_\_\_\_is *n.* a proposed idea or explanation that is based on a few known facts but has not yet been proven to be true or accurate
459. sur\_\_\_\_\_nce cameras *n.* the act of carefully monitoring a person suspected of a crime or a place where a crime may be committed or expected
460. fun\_\_\_\_\_al rights *adj.* forming an essential base or core from which everything else develops or is affected
461. ch\_\_f accountant *adj.* most important or primary; (noun) a person who is in charge

ANSWERS: 452. atom, 453. vivid, 454. climate, 455. recognition, 456. minority, 457. inevitably, 458. hypothesis, 459. surveillance, 460. fundamental, 461. chief

462. at\_\_\_h a file to an e-mail *v.* to fasten, join, or connect one thing to another
463. fun\_\_\_\_\_al education *adj.* forming an essential base or core from which everything else develops or is affected
464. re\_\_\_\_\_le access *adj.* worthy of being relied on; trustworthy
465. become ess\_\_\_\_\_ly same *adv.* relating to the essential features or concepts of anything
466. in\_\_\_\_\_nt risk *adj.* existing in something as a permanent, essential, or characteristic attribute
467. da\_\_\_\_\_ht hours *n.* the natural light produced by the sun during the day, especially in contrast to artificial light or darkness
468. pos\_\_\_\_\_ty for growth *n.* a chance that something may happen or be true
469. major do\_\_\_\_\_de *n.* the negative aspects or consequences of something; the potential for loss or failure
470. pr\_\_\_\_\_le outcome *adj.* likely to happen or likely to be true
471. a person of ge\_\_\_\_s *n.* someone who has exceptional intellectual ability and originality
472. decision-making pr\_\_\_\_\_s *n.* a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products

ANSWERS: 462. attach, 463. fundamental, 464. reliable, 465. essentially, 466. inherent, 467. daylight, 468. possibility, 469. downside, 470. probable, 471. genius, 472. process

473. count your bl\_\_\_\_\_ngs  
*n.* a gift or favor from a higher power or force; an act or expression of approval, encouragement, or gratitude; something that brings happiness or good fortune
474. tr\_\_\_\_y problem  
*adj.* requiring care and skill because challenging to do or deal with
475. trigger a re\_\_\_\_\_on  
*n.* a response that reveals a person's feelings or attitude; (in chemistry) a process in which one or more substances are changed into others
476. find a cor\_\_\_\_\_ing lack  
*adj.* similar to, connected with, or accompanying something, especially in position or purpose
477. things at the na\_\_\_\_\_le  
*adj.* on a scale that can be measured in nanometres (= one billionth of a meter); on a very small scale
478. attempt to pe\_\_\_\_\_de  
*v.* to convince or induce someone to do something by presenting a reason or argument; to sway or influence someone's decision or opinion
479. re\_\_\_\_\_al income  
*adj.* relating to or constituting a remainder or leftover portion; remaining after other elements or factors have been removed or taken into account
480. pr\_\_\_\_\_ty call  
*n.* something that is more important than other things and should be dealt with first
481. have an in\_\_\_\_\_nt dislike  
*adj.* existing in something as a permanent, essential, or characteristic attribute

ANSWERS: 473. blessing, 474. tricky, 475. reaction, 476. corresponding, 477. nanoscale, 478. persuade, 479. residual, 480. priority, 481. inherent



482. str\_\_\_\_\_al reorganization

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

483. field of artificial int\_\_\_\_\_nce

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

484. ac\_\_\_\_\_e milestones

*v.* to successfully complete a task or goal, often through hard work, perseverance, and dedication; to attain or accomplish something that one has set out to do

ANSWERS: 482. structural, 483. intelligence, 484. achieve

## Session 3: Fill in the Blanks

1. As an \_\_\_\_\_ he had the right to make his own decisions and live his life as he saw fit.  
*n.* a single person or thing, as distinct from a group
2. Too \_\_\_\_\_ a regulation for the private sector will stifle innovation.  
*adj.* strongly limiting someone's freedom; allowing no deviation from a standard, rule, belief, etc.
3. Your \_\_\_\_\_ reflects your thoughts.  
*n.* an informal talk between two or more people to exchange their views, ideas, information, etc.
4. The train came to a \_\_\_\_\_ at the station.  
*v.* to bring or come to a stop; to force to stop moving or operating
5. The outermost electron shell of an \_\_\_\_\_ determines its chemical characteristics.  
*n.* the smallest unit of ordinary matter that forms a chemical element, composed of a nucleus and one or more electrons bound to the nucleus
6. He was \_\_\_\_\_ for the duration of the war.  
*v.* to put or keep somebody in prison or in a place from which they cannot escape
7. If you don't specify a different option, the computer will \_\_\_\_\_ to its original settings.  
*v.* to fail to fulfill an obligation or pay a debt when it is due; to fail to meet expectations or perform as required; to choose or accept a predetermined option or condition without making a deliberate selection or choice; (noun) a failure to fulfill an obligation or to meet a requirement; the pre-set or automatic settings that a system or program uses when the user has selected no other options

ANSWERS: 1. individual, 2. strict, 3. conversation, 4. halt, 5. atom, 6. incarcerated, 7. default

8. His abusive words made me \_\_\_\_\_.

*adj.* providing or feeling physical discomfort or slight pain

9. During the unloading, the container box \_\_\_\_\_ a clicking sound.

*v.* to give off or send out something such as light, heat, sound, gas, etc.

10. The national election was held amid \_\_\_\_\_ security.

*adj.* fixed, fastened, or kept together firmly or closely

11. Sugar is \_\_\_\_\_ in food.

*adj.* being or existing everywhere at once

12. How did he \_\_\_\_\_ to your idea?

*v.* to take action in response to something

13. The laboratory technician placed the blood samples in the \_\_\_\_\_ to separate the different components.

*n.* a machine that uses centrifugal force (= a type of inertial force that appears to act on an object moving in a circular path and is directed away from the center) to separate substances of different densities, especially to separate liquids from solids

14. We \_\_\_\_\_ the number of students per course to twenty.

*v.* to limit someone's actions or movements, or to limit something to lessen its size or prevent it from increasing

15. The earthquake caused a \_\_\_\_\_ of lumber to crumble noisily.

*n.* a pile of something arranged or laid one on top of another; a large tall chimney through which combustion gases and smoke can be evacuated

ANSWERS: 8. uncomfortable, 9. emits, 10. tight, 11. ubiquitous, 12. react, 13. centrifuge, 14. restrict, 15. stack

16. Our plan includes a comprehensive marketing \_\_\_\_\_.
- n.* a detailed plan of action designed to achieve a long-term or overall goal.
17. He \_\_\_\_\_ from commenting on the controversial topic.
- v.* to avoid or stop doing something; to hold oneself back from an action
18. Ethics is a branch of \_\_\_\_\_.
- n.* the study of general and fundamental questions, such as those about existence, reason, knowledge, values, mind
19. Five of the six provinces will become \_\_\_\_\_ regions under the new federal system of government.
- adj.* capable of governing or controlling its affairs
20. The \_\_\_\_\_ of severe weather prompted the city to issue an evacuation warning.
- n.* a strong indication or likelihood of harm, danger, or adverse consequences; an expression of intent to inflict harm or injury on someone or something, often made as a means of coercion or intimidation
21. The scientist found \_\_\_\_\_ traces of the chemical in the water sample.
- adj.* relating to or constituting a remainder or leftover portion; remaining after other elements or factors have been removed or taken into account
22. Experts warn that \_\_\_\_\_ attacks are becoming increasingly sophisticated and difficult to detect.
- n.* the use of digital technologies, such as hacking, viruses, and other malicious tactics, to disrupt, damage, or destroy computer systems, networks, and electronic devices, to cause harm to individuals, governments, or organizations
23. The company has made great strides in its \_\_\_\_\_ toward sustainability.
- n.* the act or process of changing to the next stage or phase or moving forward

ANSWERS: 16. strategy, 17. refrained, 18. philosophy, 19. autonomous, 20. threat, 21. residual, 22. cyberwarfare, 23. progression

24. The production of \_\_\_\_\_ fuels requires massive volumes of fresh water.  
*adj.* capable of being renewed, extended, or replaced
25. The following example \_\_\_\_\_ that the capacity of each battery is the same.  
*v.* to think or accept something to be true without having proof of it; to take or begin to have power; to begin to exhibit a specific quality or appearance
26. The \_\_\_\_\_ landscape of burnt-out villages and bombed-out ruins spread out before them.  
*adj.* describing severe damage and destruction in past or future events, or the end of the world
27. The temperature range was one of the critical \_\_\_\_\_ we had to consider when designing the experiment.  
*n.* a numerical or other measurable factors that characterize a system or set of data
28. This approach employs both \_\_\_\_\_ and macro analysis methods.  
*n.* extremely small in scale or scope; one millionth
29. She's on the \_\_\_\_\_ of adulthood.  
*n.* the floor or ground that forms the bottom of a doorway and offers support when passing through a doorway; the smallest detectable sensation
30. Having a \_\_\_\_\_ healthy physique is essential for a great life.  
*adv.* in a way related to a person's body or appearance rather than their mind
31. Please refrigerate the meat, or it will \_\_\_\_\_.  
*v.* to decay, or cause something to decay, naturally and gradually

ANSWERS: 24. renewable, 25. assumes, 26. apocalyptic, 27. parameters, 28. micro, 29. threshold, 30. physically, 31. rot

32. The \_\_\_\_\_ number on the dial was 3.

*adj.* similar to, connected with, or accompanying something, especially in position or purpose

33. He studied the \_\_\_\_\_ of radiation.

*n.* the science of matter and energy and their interactions

34. The phone rang at the most \_\_\_\_\_ time.

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

35. Anesthetize the gum before \_\_\_\_\_ the teeth.

*n.* a short passage taken from a book, piece of music, etc.; a substance obtained from something through a specific process; (verb) to obtain from something or to remove something by effort or force

36. We are always happy to \_\_\_\_\_ a discount.

*v.* to have formal discussions with someone to reach an agreement

37. The government threatened to \_\_\_\_\_ the enemy territory if they didn't surrender.

*v.* (derived from "nuclear") to attack or destroy a place or target with a nuclear weapon; to cook food in a microwave oven; (noun) a nuclear weapon, such as a nuclear bomb or missile

38. A technique called deep learning has led to \_\_\_\_\_ in AI.

*n.* a sudden, dramatic, and important discovery or development that helps to improve a situation or provide an answer to a problem

39. The paper is \_\_\_\_\_ worth reading thoroughly.

*adv.* without any question and beyond doubt; clearly

ANSWERS: 32. corresponding, 33. physics, 34. opportune, 35. extracting, 36. negotiate, 37. nuke, 38. breakthroughs, 39. definitely

40. The \_\_\_\_\_ of the new policy was that it would be more expensive for customers.
- n.* the negative aspects or consequences of something; the potential for loss or failure
41. The translation \_\_\_\_ helped me translate a website from another country.
- n.* a computer program or software application that is capable of performing automated tasks, often on the internet; a type of electronic device that provides autonomous service or assistance to users
42. This remote \_\_\_\_\_ is rarely visited.
- n.* a particular location or place; a small round or roundish area, differing in color or feels from the surface around it
43. Laughing is \_\_\_\_\_ to our health.
- adj.* helpful, useful, or sound; promoting or enhancing well-being
44. The lack of funds has resulted in a \_\_\_\_\_ for our university system.
- n.* a sudden event that causes extreme ruin and misfortune
45. This measure will \_\_\_\_\_ people against terrorism.
- v.* to protect something or someone from harm, damage, or loss
46. She could find no \_\_\_\_\_ explanation for its failure.
- adj.* seeming reasonable or likely to be true, and therefore convincing
47. This device displayed the speech \_\_\_\_\_ spectrographically.
- n.* an ordered array of colors into which a light beam can be split

ANSWERS: 40. downside, 41. bot, 42. spot, 43. beneficial, 44. catastrophe, 45. safeguard, 46. plausible, 47. spectrum

48. The beachfront property had a \_\_\_\_\_ location with stunning ocean views.

*adj.* worth having or achieving; pleasing, attractive, or sought after

49. She tried to \_\_\_\_\_ her brother to join her on the trip, but he was too busy with work.

*v.* to convince or induce someone to do something by presenting a reason or argument; to sway or influence someone's decision or opinion

50. We can evaluate the performance of an \_\_\_\_\_ in terms of computation time.

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

51. The \_\_\_\_\_ in carbon emissions has been significant since the implementation of the new policy.

*n.* a decrease in size, amount, or degree

52. The \_\_\_\_\_ carbon-14 is commonly used in radiocarbon dating of fossils.

*n.* a variation of an element that has the same number of protons in its nucleus but a different number of neutrons, resulting in a different atomic mass and often different physical or chemical properties

53. In terms of \_\_\_\_\_ he was head and shoulders above his classmates.

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

54. The \_\_\_\_\_ of this information to the current situation needs to be investigated.

*n.* the state or degree of being closely connected or appropriate to the matter at hand

ANSWERS: 48. desirable, 49. persuade, 50. algorithm, 51. reduction, 52. isotope, 53. intelligence, 54. relevance



55. The \_\_\_\_\_ between the two sides over the proposed policy was heated.
- n.* a set of statements or reasons used to support or refute a proposition or theory; a verbal or physical fight or dispute
56. Will you \_\_\_\_\_ on the result of the fight?
- v.* to take risky action in the hope of being successful; to play or game for money or other stakes
57. It's important to \_\_\_\_\_ your strengths and weaknesses.
- v.* to acknowledge or realize something or someone; to identify, remember, or become aware of something that was previously known or encountered
58. Sensors convert physical phenomena into \_\_\_\_\_ signals.
- adj.* processing or storing information as a succession of 1 and 0 to show that a signal is present or missing; relating to the use of computer technology, especially the internet
59. Infants and pregnant women are particularly \_\_\_\_\_.
- adj.* capable of being hurt or influenced physically or mentally
60. The evolution of processors has dramatically improved the performance of \_\_\_\_.
- n.* (abbreviation for artificial intelligence) the theory and development of computer systems capable of doing activities that would ordinarily need human intelligence, such as object recognition, speech recognition, decision-making, and language translation
61. A stagnant water area are breeding ground for \_\_\_\_\_.
- n.* a small flying insect whose female bites people and animals and sucks their blood, and sometimes transmits serious diseases such as malaria

ANSWERS: 55. argument, 56. gamble, 57. recognize, 58. digital, 59. vulnerable, 60. AI, 61. mosquitos

62. The company's cybersecurity team \_\_\_\_\_ the CEO to potential threats.  
*v.* to warn or arouse to a sense of danger; (adjective) paying close attention or being in a state of readiness for action
63. This process improves the strength of the metal by controlling the \_\_\_\_\_ lattice structure of the metal.  
*adj.* on a scale that can be measured in nanometres (= one billionth of a meter); on a very small scale
64. They offered the \_\_\_\_\_ of an installment plan.  
*n.* the state of being suitable or opportune
65. 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
66. It was the \_\_\_\_\_ of a dinosaur tooth.  
*n.* any preserved remains, impression, or trace of any once-living thing that has become hard and turned into rock
67. The psychiatrist recognized signs of \_\_\_\_\_ in his patient's behavior.  
*n.* a person who exhibits a disregard for other people's rights, feelings, and safety; someone who lacks empathy or the ability to understand and share the feelings of others; sometimes used interchangeably with the term "psychopath"
68. Parallel lines are, by \_\_\_\_\_ lines on the same plane that never cross.  
*n.* a concise explanation of the meaning of a word, phrase, or symbol
69. It was the most \_\_\_\_\_ storm in decades.  
*adj.* causing or able to cause tremendous and irreparable damage

ANSWERS: 62. alerted, 63. nanoscale, 64. convenience, 65. unstable, 66. fossil, 67. sociopathy, 68. definition, 69. destructive

70. \_\_\_\_\_ diamonds play an essential role as machine tool blades.  
*adj.* made by combining chemical substances as opposed to being naturally occurring
71. In his speech, he \_\_\_\_\_ a famous philosopher to emphasize his point.  
*v.* to repeat or reproduce the words or statement of someone else, often acknowledging the source; to give an estimated cost or price for goods or services
72. The United Nations assists countries in building strong \_\_\_\_\_ frameworks and institutions.  
*n.* the act or process of governing or managing a political, social, or economic entity; the systems or principles that guide such processes
73. Hounds \_\_\_\_\_ their prey by using their keen scent.  
*v.* to go after and try to catch wild animals to kill them for food, sport, or profit
74. The couple began to \_\_\_\_\_ over which restaurant to go to for dinner.  
*v.* to express differing opinions or points of view, often in a heated or contentious manner; to present a case or reasoning to persuade or convince others
75. The government tried to \_\_\_\_\_ the commercialization of this development.  
*v.* to make something faster or earlier; to cause to develop or progress more quickly
76. The raising of interest rates \_\_\_\_\_ the inflation rate.  
*v.* to become or cause to become steady or unlikely to give way
77. They used a special receiver to \_\_\_\_\_ police radio channels.  
*v.* to observe, check, and track the progress or quality of something over a period of time

ANSWERS: 70. Synthetic, 71. quoted, 72. governance, 73. hunt, 74. argue, 75. accelerate, 76. stabilizes, 77. monitor

78. The sudden rise in crime rates in our neighborhood is quite \_\_\_\_\_.

*adj.* causing concern or apprehension; causing a feeling of danger, harm, or emergency; unsettling or disturbing

79. I had to \_\_\_\_\_ my computer after it crashed unexpectedly.

*v.* to restart a computer or other device by loading and rerunning the operating system; to restart or resume an activity, process, or situation after a pause or interruption, often to improve it

80. It is unclear what all of the potential consequences of \_\_\_\_\_ could be.

*n.* the study of finding ways to change the Earth's climate system, primarily to reduce global warming; deliberate and large-scale intervention in the Earth's climate system

81. These economic activities had disastrous environmental \_\_\_\_\_.

*n.* the outcome of a particular action or event, especially relative to an individual

82. I always carry a backup \_\_\_\_\_ in case my phone runs out of battery.

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

83. We can \_\_\_\_\_ this possibility from those consumptions.

*v.* to remove or get rid of someone or something

84. The airplane's new \_\_\_\_\_ radar system allowed for safer and more efficient travel.

*adj.* relating to or indicating orientation; having a certain course; related to the management or control of an organization in a particular direction

ANSWERS: 78. alarming, 79. reboot, 80. geoengineering, 81. consequences, 82. device, 83. eliminate, 84. directional

85. One light year is nearly 6 \_\_\_\_\_ miles.  
*n.* the number 1,000,000,000,000; a million million
86. The missile launch was successful, and the \_\_\_\_\_ hit its intended target.  
*n.* the explosive or destructive part of a missile, rocket, or other weapons that are designed to explode on impact or detonation
87. She \_\_\_\_\_ arrived at the office early each day.  
*adv.* in every case or on every occasion; without exception
88. You must \_\_\_\_\_ with others to obtain this position.  
*v.* to strive to achieve more success than someone or something
89. Necessity is the mother of \_\_\_\_\_.  
*n.* the creation of a new device or process resulting from study and experimentation; the act of inventing
90. I'm prepared to \_\_\_\_\_ challenges throughout this adventure.  
*v.* to face something, particularly something unpleasant or difficult, while attempting to do something else; to meet, especially unexpectedly
91. He heard a \_\_\_\_\_ of sirens roar from the neighboring town.  
*n.* a low continuous humming noise; someone who takes more time than necessary; a pilot-less aerial vehicle that is operated by remote control
92. The athlete's remains were scattered at sea rather than placed in an \_\_\_\_\_.  
*n.* a large, typically rounded container, often made of ceramic, metal, or glass, used for storing the ashes of a cremated person or pet or for decorative purposes

ANSWERS: 85. trillion, 86. warhead, 87. invariably, 88. compete, 89. invention, 90. encounter, 91. drone, 92. urn

93. I will work hard to \_\_\_\_\_ my goals and realize my dreams.  
*v.* to successfully complete a task or goal, often through hard work, perseverance, and dedication; to attain or accomplish something that one has set out to do
94. The instrument has a high \_\_\_\_\_ to temperature changes.  
*n.* the ability to perceive or respond to subtle differences or changes; the ability to understand and respond to the needs and feelings of others
95. The company's financial records \_\_\_\_\_ how successful it has been.  
*v.* to provide pictures, photographs, diagrams, etc. in a book or something for explanation
96. Honesty is an \_\_\_\_\_ quality that everyone should strive to possess.  
*adj.* existing in something as a permanent, essential, or characteristic attribute
97. They \_\_\_\_\_ admired our actions.  
*adv.* to an extraordinary extent or degree; very much
98. Many people are working together to close the gender \_\_\_\_\_.  
*n.* a conspicuous disparity or difference separates something such as a figure, people, their opinions, situation, etc.
99. He moved his body \_\_\_\_\_ to the left.  
*adv.* in a small degree or extent; a little
100. The \_\_\_\_\_ effects of the psychedelic drug were unlike anything he had ever experienced.  
*adj.* extremely impressive in a way that affects someone's mind or emotions

ANSWERS: 93. achieve, 94. sensitivity, 95. illustrate, 96. inherent, 97. greatly, 98. gap, 99. slightly, 100. mind-blowing

101. I don't want to \_\_\_\_\_ for second best.

*v.* to reach an agreement of disagreement

102. The baby started to \_\_\_\_\_ on a piece of apple.

*v.* to prevent or obstruct the normal breathing or swallowing of someone or something

103. She was struggling to make a \_\_\_\_\_ between two job offers.

*n.* the act or process of making up someone's mind about something; a choice or judgment reached after considering options

104. \_\_\_\_\_ and weather have an impact on every part of our lifestyles.

*n.* the weather in a particular location averaged over some long period

105. \_\_\_\_\_ often entails inclusive capitalism as well.

*n.* a form of government in which the people have the authority to deliberate and decide legislation, or to choose governing officials to do so

106. \_\_\_\_\_ technology allows scientists to create artificial life forms for various purposes.

*n.* (short for "synthetic biology") a field of science that combines biology and engineering to create new synthetic organisms or biological systems

107. The Prime Minister will pay a courtesy visit to the Nobel laureate's \_\_\_\_\_.

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

108. Human beings have a \_\_\_\_\_ lifespan, so we yearn for the idea of immortality.

*adj.* having a limit or restriction of size, time, etc.

ANSWERS: 101. settle, 102. choke, 103. decision, 104. Climate, 105. Democracy, 106. Synbio, 107. lab, 108. finite

109. We \_\_\_\_\_ to achieve more wages and safer working conditions.

- v.* to wallop somebody or something with the hand, fist, or weapon; to have an emotional or cognitive impact upon

110. He used an \_\_\_ to chop the firewood for the campfire.

- n.* a tool with a metal blade that is usually attached to a wooden handle and is used for chopping wood or other materials

111. Because of his excellent performance, he will \_\_\_\_\_ be promoted.

- adv.* in a manner that cannot be avoided or prevented

112. The use of cluster \_\_\_\_\_ is strictly prohibited by international law.

- n.* a weapon that explodes and is used to kill or injure people or to cause damage to something

113. The \_\_\_\_\_ of the explosive was heard throughout the entire city.

- n.* a sudden and violent explosion, often caused by the ignition of an explosive substance; the act of causing something to explode

114. Following the \_\_\_\_\_ from the professor, students rewrite their essays and submit them for final evaluation.

- n.* a detailed analysis or examination of something, especially a literary, philosophical, or political theory; an essay or article that gives a critical evaluation

115. Mozart was a musical \_\_\_\_\_.

- n.* someone who has exceptional intellectual ability and originality

116. We \_\_\_\_\_ the season's total trade deficit at \$50 billion.

- v.* to guess or calculate the cost, size, value, etc. of something

ANSWERS: 109. strike, 110. ax, 111. inevitably, 112. bombs, 113. detonation, 114. critique, 115. genius, 116. estimated



117. He had to \_\_\_\_\_ the loose knob back onto the cabinet door.

- v.* to turn something, such as a bolt, with a driver or wrench to tighten or loosen it;  
(noun) a cylindrical rod with a helical ridge used to fasten things together

118. We decided to \_\_\_\_\_ around the city to explore new neighborhoods.

- v.* to move or travel aimlessly or in a wandering fashion; to roam or wander over a wide area

119. She received a beautiful \_\_\_\_\_ from her grandmother as a birthday gift.

- n.* a piece of jewelry that is worn around the neck, typically consisting of a chain or cord with a pendant, charms, or beads attached

120. The \_\_\_\_\_ of Japan is known for its unique culture and advanced technology.

- n.* a large organized community of people living in a particular country or region and having a particular culture

121. The high fence was meant to \_\_\_\_\_ intruders from entering the property.

- v.* to discourage or prevent someone from doing something

122. Reading not only increases knowledge but also \_\_\_\_\_ life.

- v.* to make better or improve in quality by adding something else

123. The \_\_\_\_\_ scarcity most severely impacted the manufacturing sector

- n.* a substance that is typically burned to generate heat or energy

124. The concept of \_\_\_\_\_ has been used in literature, music, and other art forms to explore ideas about power, freedom, and rebellion.

- n.* a state of society without government or law

ANSWERS: 117. screw, 118. rove, 119. necklace, 120. nation, 121. deter, 122. enriches, 123. fuel, 124. anarchy

125. They cooperated for their \_\_\_\_\_ benefit.

*adj.* common to or shared by two or more parties

126. He cannot \_\_\_\_\_ a holiday.

*v.* to have enough money or time to be able to buy or do something

127. Many countries have now agreed to a treaty banning the use of \_\_\_\_\_ weapons.

*adj.* of or relating to or constituting the nucleus of an atom; deriving destructive energy from the release of atomic energy

128. One \_\_\_\_\_ of success is having a positive attitude and a strong work ethic.

*n.* a factor, circumstance, or condition that contributes to the shaping, influencing, or determining of a particular outcome or result

129. He does not \_\_\_\_\_ importance to these rumors.

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

130. Trains are \_\_\_\_\_ inexpensive, and ideal for long-distance travel.

*adj.* worthy of being relied on; trustworthy

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

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

132. The archeologist found a \_\_\_\_\_ arrowhead on the dig site.

*n.* a hard, gray stone that can produce sparks when struck with steel used historically to start fires; a type of microcrystalline quartz used for making tools, weapons, and jewelry

ANSWERS: 125. mutual, 126. afford, 127. nuclear, 128. determinant, 129. attach, 130. reliable, 131. survive, 132. flint

133. Each department has done its product costing \_\_\_\_\_.

*adv.* separately or apart from others

134. The student provided a \_\_\_\_\_ to the teacher's hypothesis, proving it untrue.

*n.* an example that contradicts or disproves a given hypothesis or generalization; evidence or an instance that renders an argument or statement invalid

135. The earthquake was a \_\_\_\_\_ from which the local people never recovered.

*n.* a sudden violent event that changes the earth's environment, such as a flood or a war

136. The cause of the accident is \_\_\_\_\_ at this time.

*n.* not yet resolved or concluded; not decided; indefinite; lacking clear limits or boundaries; (of mathematics) cannot be calculated because it is dependent on unknown factors

137. It seems \_\_\_\_\_ that he has forgotten our scheduled meeting.

*adj.* likely to happen or likely to be true

138. The economic recession caused \_\_\_\_\_ in the housing market, with many people losing their homes.

*n.* the act of causing great destruction or damage, often on a large scale

139. We have discussed the entirety of this \_\_\_\_\_ problem.

*adj.* requiring care and skill because challenging to do or deal with

140. A \_\_\_\_\_ study is necessary to determine if a project is viable and worthwhile.

*n.* the state or quality of being feasible; the likelihood or possibility of something being successful or able to be accomplished

ANSWERS: 133. individually, 134. counterexample, 135. cataclysm, 136. undetermined, 137. probable, 138. devastation, 139. tricky, 140. feasibility

141. To find drunk drivers, police conduct \_\_\_\_\_ tests.

*adj.* made, done, or happening without method, conscious decision, or any regular pattern

142. Every human is responsible for taking care of the Earth's \_\_\_\_\_.

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

143. Some people argue that the rise of globalization has weakened the power of \_\_\_\_\_.

*n.* a sovereign political entity that is composed of a nation, which is a group of people who share a common cultural, linguistic, or ethnic identity

144. The car's \_\_\_\_\_ was impressive, going from 0 to 60 mph in just 5 seconds.

*n.* a rate of increase in velocity; the rate of change of velocity with respect to time

145. My mother's illness had a \_\_\_\_\_ impact on us all.

*adj.* extremely great; sensed or experienced very strongly; displaying a high level of knowledge or comprehension

146. The \_\_\_\_\_ algorithm always produces the same result for a given input.

*adj.* characterized by an assumption of cause and effect and the absence of chance or randomness, often used to describe scientific or engineering calculations

147. They have no \_\_\_\_\_ to win the game.

*n.* something, such as a punishment, reward, etc., that encourages a person to do something

ANSWERS: 141. random, 142. environment, 143. nation-states, 144. acceleration, 145. profound, 146. deterministic, 147. incentive

148. We \_\_\_\_\_ taking media training every six months.

- v.* to suggest that someone or something would be a suitable fit for a particular purpose or role

149. In \_\_\_\_\_ private corporations provide healthcare services.

- n.* the act or process of adding something to something else; the process of adding numbers

150. To advance this discussion, we must \_\_\_\_\_ "success" rigorously.

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

151. The con artist's lies quickly took in the \_\_\_\_\_ young man.

- adj.* showing unaffected simplicity and lack of experience, wisdom, or judgment

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

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

153. Using insects or animals as a vector to spread diseases is a classical \_\_\_\_\_.

- n.* a biological agent or toxin that is intentionally used as a weapon to cause harm or death to humans, animals, or plants and to disrupt social, economic, or political stability

154. The company is set to \_\_\_\_\_ its new product line next month.

- v.* to send or propel something into the air or space using a device such as a rocket, missile, or spacecraft; to make something available or on sale for the first time

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

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

ANSWERS: 148. recommend, 149. addition, 150. define, 151. naive, 152. evolved, 153. bioweapon, 154. launch, 155. scare

156. The government established by the coup was more \_\_\_\_\_ than before.

*adj.* relating to the essential aspects of anything; far beyond the norm, mainly used of opinions and actions

157. The earthquake resulted in significant \_\_\_\_\_ destruction.

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

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

*adj.* stupid or not sensible; very angry

159. It is illegal to \_\_\_\_\_ police radio.

*v.* to stop and catch someone or something to prevent them from continuing to a destination

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

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

161. Mining is a \_\_\_\_\_ source of income for the country.

*adj.* most important or primary; (noun) a person who is in charge

162. The mining and processing of \_\_\_\_\_ can lead to releasing radioactive materials into the environment.

*n.* a chemical element with the symbol U, atomic number 92, that is a dense, silvery-white metal that is radioactive and is used as a fuel for nuclear power plants

163. Human behavior has \_\_\_\_\_ characteristics.

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

ANSWERS: 156. radical, 157. structural, 158. crazy, 159. intercept, 160. Essentially, 161. chief, 162. uranium, 163. fundamental

164. Their \_\_\_\_\_ strictly prohibits them from drinking or gambling.  
*n.* a deep conviction in a supernatural power that controls human destiny
165. A \_\_\_\_\_ of angry bees attacked because we had approached the hive.  
*n.* a group of many things, such as insects, fishes, etc., in the air or water or on the ground
166. There's no \_\_\_\_\_ in his description.  
*n.* a way of thinking or reasoning conducted or evaluated by strict validity principles; the study of correct reasoning or good arguments
167. The recent economic downturn has resulted in \_\_\_\_\_ layoffs.  
*adj.* enormous amount; very heavy and solid
168. Some ethnic \_\_\_\_\_ groups experienced discrimination in society.  
*n.* the smaller part of a group, especially a number or part representing less than half of the whole; a period before adult legal age
169. The \_\_\_\_\_ of getting the disease will drastically increase.  
*n.* a chance that something may happen or be true
170. The \_\_\_\_\_ for applying for a visa can be lengthy and complicated.  
*n.* a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products
171. Malignant hypertension is the most \_\_\_\_\_ form of hypertension.  
*adj.* causing or capable of causing death; extremely dangerous

ANSWERS: 164. religion, 165. swarm, 166. logic, 167. massive, 168. minority, 169. possibility, 170. process, 171. lethal

172. The disposal of \_\_\_\_\_ waste is a major environmental challenge.
- n.* a radioactive chemical element with the symbol Pu and atomic number 94 used in nuclear reactors and weapons, which is produced from uranium in nuclear reactors and occurs naturally in trace amounts
173. She made a \_\_\_\_\_ impression.
- adj.* producing very clear, powerful, and detailed images in the mind
174. The customs officer required the traveler to \_\_\_\_\_ his suitcase.
- v.* to open something, such as a door, window, etc., usually using a key
175. I heated my leftover food in the \_\_\_\_\_ oven, which tasted just as good as freshly cooked.
- n.* a form of electromagnetic radiation with wavelengths ranging from about one millimeter to one meter and frequencies between 300 MHz (0.3 GHz) and 300 GHz; an electric oven that cooks food by exposing it to high-frequency electromagnetic radiation, which causes the food molecules to vibrate and heat up quickly
176. His writing style was \_\_\_\_\_ with a clear and concise voice.
- adj.* having a quality or characteristic that makes it stand out from others
177. It is not \_\_\_\_\_ and inefficient to complete many tasks at once.
- adj.* capable of being or likely to be made, done, or achieved
178. She is a confident \_\_\_\_\_ who always looks on the bright side.
- n.* a person who tends to expect the best in all things and to be hopeful and confident about the future
179. Synchronized swimming needs close \_\_\_\_\_ between six performers.
- n.* the act of making all the people involved in a plan or activity work together effectively; the ability to control different parts of the body effectively

ANSWERS: 172. plutonium, 173. vivid, 174. unlock, 175. microwave, 176. distinctive, 177. feasible, 178. optimist, 179. coordination



180. She expressed her thought in an artful choice of \_\_\_\_\_.

- n.* a figure of speech in which an expression is used to refer to something that it does not denote to suggest a similarity

181. The incident \_\_\_\_\_ a political controversy.

- v.* to make something happen suddenly; to cause something such as a device, machine, etc. to function

182. In junior high school, we had to dissect a frog in \_\_\_\_\_ class.

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

183. The salespeople speak in technical terms to \_\_\_\_\_ that they are more knowledgeable than the customer.

- v.* to indicate the truth or existence of something without referring to it

184. This evidence supports the big-bang \_\_\_\_\_.

- n.* a proposed idea or explanation that is based on a few known facts but has not yet been proven to be true or accurate

185. The passage of the bill is \_\_\_\_\_.

- adj.* not probable or likely to happen

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

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

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

- adj.* easy to see, discover or understand

ANSWERS: 180. metaphors, 181. triggered, 182. biology, 183. imply, 184. hypothesis, 185. unlikely, 186. develop, 187. obvious

188. 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

189. The news of the pandemic was a \_\_\_\_\_ reminder of the fragility of human health.

- adj.* causing fear or alarm, or very surprising and alarming

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

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

191. The new CEO was appointed to \_\_\_\_\_ their business.

- v.* to change to a more sufficient or suitable form of organization

192. The police are searching for the \_\_\_\_\_ who stole the jewels.

- n.* a person who has committed a crime

193. The \_\_\_\_\_ on travel during the pandemic made it difficult for people to see their loved ones.

- n.* a limitation or constraint placed on something, or the act of limiting or constraining something

194. Most countries prohibit sexual activity between certain close \_\_\_\_\_.

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

195. The two countries signed a \_\_\_\_\_ to establish peaceful relations.

- n.* a formal agreement or pact between two or more countries or other international entities

ANSWERS: 188. discovery, 189. frightening, 190. synthesis, 191. reorganize, 192. criminal, 193. restriction, 194. relatives, 195. treaty

196. The chocolate cake was too \_\_\_\_\_ for me to resist.

*adj.* likely to attract or persuade someone to do something, especially something that may not be wise or safe

197. The \_\_\_\_\_ of the soil in this area is ideal for growing crops.

*n.* the ability to produce an abundance of offspring or creative works; fertility; productivity

198. Receiving support from his friends was a great \_\_\_\_\_ in his time of need.

*n.* a gift or favor from a higher power or force; an act or expression of approval, encouragement, or gratitude; something that brings happiness or good fortune

199. His \_\_\_\_\_ presentation deeply moved everyone.

*adj.* arousing strong and irresistible interest, attention, or admiration

200. The customs agents seized the \_\_\_\_\_ shipment.

*adj.* not allowed by law

201. The mule is a \_\_\_\_\_ between a male donkey and a female horse.

*adj.* composed of different elements or mixed characters

202. He has \_\_\_\_\_ exercising because of a back injury sustained in an accident.

*n.* a condition or state that causes problems

203. The view of the city skyline from the top of the building looked amazing in the \_\_\_\_\_.

*n.* the natural light produced by the sun during the day, especially in contrast to artificial light or darkness

ANSWERS: 196. tempting, 197. fecundity, 198. blessing, 199. compelling, 200. illegal, 201. hybrid, 202. difficulty, 203. daylight

204. The extinction of several subspecies has been linked to climate change and habitat \_\_\_\_\_.

*n.* the act of causing so much damage to something

205. He was given \_\_\_\_\_ for his outstanding work in the field of medicine.

*n.* the action or process of recognizing or being recognized, especially by remembering; an agreement that something is true or legal

206. The building was \_\_\_\_\_ in the fire and had to be rebuilt.

*v.* to ruin or damage severely or completely; to eradicate or eliminate completely

207. Their headquarters are in a \_\_\_\_\_ skyscraper.

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

208. He had painted the wood to \_\_\_\_\_ stone.

*v.* to make a pretense of someone's behavior or looks; to reproduce something that exists in real life using computers, models, etc., usually for study or training purposes

209. There was a chemical \_\_\_\_\_ of the lime with the groundwater.

*n.* a response that reveals a person's feelings or attitude; (in chemistry) a process in which one or more substances are changed into others

210. \_\_\_\_\_ profiling is a new form of airport security.

*adj.* of or relating to a person's face

211. The corporation \_\_\_\_\_ dominated the entire tobacco business.

*adv.* finally, particularly after a long time or a lot of struggle, complications, and so on

ANSWERS: 204. destruction, 205. recognition, 206. destroyed, 207. modern, 208. simulate, 209. reaction, 210. Facial, 211. eventually

212. 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

213. Babies heavily \_\_\_\_\_ on others for food.

- v.* to require a specific thing or the assistance and support of someone or something to continue, run properly, or succeed.

214. It is an incredible \_\_\_\_\_ to climb Mount Everest, the highest mountain in the world.

- n.* a notable or impressive achievement, especially one that requires great skill or bravery

215. The military launched a ballistic \_\_\_\_\_ at the enemy's stronghold.

- n.* a weapon, such as a rocket or guided projectile, that is self-propelled and directed by remote control or by an internal guidance mechanism

216. Governments \_\_\_\_\_ their citizens to buy eco-friendly products through subsidies.

- v.* to make someone want to do in a particular way by offering them a reward

217. The \_\_\_\_\_ effect is a phenomenon that happens naturally.

- n.* a building with walls and roof made chiefly of transparent material, such as glass, for growing plants in

218. Her \_\_\_\_\_ is to be a mother.

- n.* something that is more important than other things and should be dealt with first

219. The novel contains a criticism of the \_\_\_\_\_ society.

- n.* the act of carefully monitoring a person suspected of a crime or a place where a crime may be committed or expected

ANSWERS: 212. represent, 213. rely, 214. feat, 215. missile, 216. incentivize, 217. greenhouse, 218. priority, 219. surveillance

220. The \_\_\_\_ flew over the ocean at high speed, reaching its destination in hours.  
*n.* a type of aircraft that is powered by one or more jet engines and can fly at high speeds, typically over long distances
221. I \_\_\_\_\_ a problem arising if we don't address this issue now.  
*v.* to perceive or predict; to anticipate or expect something to happen in the future
222. A business plan is a \_\_\_\_\_ for your success.  
*n.* a photographic print of an early plan for a building or machine
223. Relations between the two countries have been relatively \_\_\_\_\_ due to the summit meeting.  
*adj.* firm and steady; not easily moved, disturbed, or changed
224. The \_\_\_\_ of people who do not own property is politically impotent.  
*n.* a large amount of a substance with no definite shape or form; a large number of people or things grouped or crowded together
225. Everyone was aware of the impending \_\_\_\_ but was unable to prevent it.  
*n.* death, destruction, or some other terrible situation that cannot be avoided
226. 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
227. \_\_\_\_\_ advances have disrupted many industries.  
*adj.* based on scientific and industrial progress
228. She received her \_\_\_\_\_ in psychology from the university.  
*n.* a unit of measurement for angles, temperature, or level of proficiency or achievement; a rank or level of academic or professional attainment

ANSWERS: 220. jet, 221. foresee, 222. blueprint, 223. stable, 224. mass, 225. doom, 226. separate, 227. Technological, 228. degree

229. All the supervisor has to do is assign tasks that make his subordinates more \_\_\_\_\_.
- adj.* relating to or involving the use of skill and original and unusual ideas to create something
230. The interviewer arrived in a \_\_\_\_\_ of time.
- n.* a small cut, notch, or indentation in a surface or an edge
231. The experience was \_\_\_\_\_ and left a lasting impression.
- adj.* extremely unpleasant or bad; causing fear or disgust
232. Tourists frequently \_\_\_\_\_ the island's delicate natural balance.
- v.* to interrupt someone who is trying to work, sleep, etc.
233. Cities around the world set records for highest \_\_\_\_\_ this summer.
- n.* the degree of hotness or coldness of a thing or place
234. \_\_\_\_\_ photography is a technique that allows you to take close-up photos of small objects.
- n.* (computing) a set of instructions that automate a frequently used series of keystrokes or mouse actions; (photography) a lens that allows you to take close-up photographs; (economics) a large-scale economic policy or system
235. The magician's tricks \_\_\_\_\_ the audience.
- v.* to fill with wonder, surprise, or admiration
236. What do you \_\_\_\_\_ the culprit's motive was?
- v.* to think that something is likely to be actual or possible

ANSWERS: 229. creative, 230. nick, 231. horrible, 232. disturb, 233. temperatures, 234. Macro, 235. amazed, 236. suppose

237. The \_\_\_\_\_ on my bike broke, leaving me stranded.

- n.* a series of connected links or objects; a system or group of interconnected elements; a restraint or shackle

238. The break in the \_\_\_\_ threatened the valley.

- n.* a wall constructed over a river to block the flow of water, mainly used to generate energy

239. That style is no longer in \_\_\_\_\_.

- n.* a style that is popular at a particular time or place; the state of being popular

240. The Chinese word for \_\_\_\_\_ comprises two characters, one for danger and the other for opportunity.

- n.* a time of great disagreement, confusion, or danger when problems must be resolved or critical decisions must be taken

241. The \_\_\_\_ on the beach was warm and golden.

- n.* finely granulated particles of rock or mineral material typically found along beaches, deserts, or riverbeds; used in construction, landscaping, and other applications requiring drainage or abrasive action

242. I \_\_\_\_ that you know it.

- v.* to risk money on the result of an event or a competition, such as a race or game, to get more money; to have faith or confidence in something

ANSWERS: 237. chain, 238. dam, 239. fashion, 240. crisis, 241. sand, 242. bet