

# Englist.me



## Vocabulary Builder Reference from...

*Craig Costello: In the war for information, will quantum computers defeat cryptographers? | TED Talk*

[https://www.ted.com/talks/craig\\_costello\\_in\\_the\\_war\\_for\\_information\\_will\\_quantum\\_computers\\_defeat\\_cryptographers](https://www.ted.com/talks/craig_costello_in_the_war_for_information_will_quantum_computers_defeat_cryptographers)

### All Words

#### IMPORTANT

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## Session 1: Word List

### 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.

### cryptography

n. the study of the techniques and methods used for secure communication and information processing, particularly using codes and ciphers

*synonym*: coding, steganography, encryption

(1) asymmetric **cryptography**, (2) digital **cryptography**

The software engineers developed a new **cryptography** algorithm to protect users' data.

### defend

v. to protect someone or something from attack, criticism, danger, etc.

*synonym*: protect, guard, support

(1) **defend** my country, (2) **defend** against a threat

International law allows each nation to **defend** itself when its rights and interests are illegally violated.

## ongoing

*adj.* continuing to exist or develop, or currently happening  
*synonym*: continuous, current, proceeding

(1) still **ongoing**, (2) **ongoing** support

The new prime minister has vowed to take measures against the **ongoing** economic crisis.

## rage

*n.* a strong feeling of anger or violence  
*synonym*: fury, anger, outrage

(1) uncontrollable **rage**, (2) fall into a **rage**

She was filled with a burning **rage** at the injustice she had witnessed.

## 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.

## battlefield

*n.* a place where a battle or conflict is fought  
*synonym*: warzone, front line, combat area

(1) **battlefield** casualties, (2) tactics on the **battlefield**

The general reviewed the plans for the upcoming battle on the **battlefield**.

## 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.

## wage

*n.* a particular amount of money that somebody earns, usually every week or every month, for work or services  
*synonym*: payment, compensation, salary

(1) unpaid **wages**, (2) increase in the minimum **wage**

His **wages** continued to rise as his skills improved.

## scramble

*v.* to move or climb quickly and awkwardly, often using your hands to help you

*synonym*: jumble, disarrange

(1) **scramble** my mind, (2) **scramble** for support

Local business owners **scrambled** to find skilled workers.

## creditor

*n.* a person, company, etc. to whom a debtor owes money

(1) the **creditor's** claims, (2) bankrupt **creditor**

I asked the lawyer to initiate **creditor** negotiations for voluntary liquidation.

## saucy

*adj.* behavior or language that is bold, cheeky, or irreverent; having a spicy or piquant flavor or aroma

*synonym*: flirtatious, impertinent, bold

(1) **saucy** jokes, (2) a **saucy** dress

The **saucy** remark made by the comedian caused a stir in the audience.

## selfie

*n.* a photograph that one has taken of oneself, typically one taken with a smartphone or webcam to share on social media

*synonym*: self-portrait, self-photo, self-snap

(1) **selfie** stick, (2) pose for a **selfie**

She took a **selfie** in front of the famous tower and shared it on the app.

## recipient

*n.* a person who receives something

*synonym*: receiver, beneficiary

(1) a **recipient** of a Nobel prize, (2) a **recipient** of a lung transplant

When performing an organ transplant, it is necessary to test for compatibility between the donor and **recipient**.

## intent

*n.* a strong determination or attention to do or achieve something; (adjective) having a strong determination to do or achieve something

*synonym*: purpose, aim, goal

(1) the **intent** of a question, (2) **intent** gaze

The designer's **intent** was to create a minimalist aesthetic for the interior of the building.

## smartphone

*n.* a mobile phone that functions as a computer and connects to the Internet

(1) **smartphone** app developer, (2) **smartphone** addict  
Internet traffic volumes have increased significantly with the advent of **smartphones**.

## encrypt

*v.* to convert information or data into a code, thereby making it unreadable without a key or password; to conceal or obscure information in a way that makes it inaccessible to unauthorized persons

*synonym*: encode, cipher, scramble

(1) **encrypt** data, (2) **encrypt** message

To protect their sensitive information, many businesses **encrypt** their files.

## unbreakable

*adj.* not able to be broken or damaged

*synonym*: indestructible, durable, sturdy

(1) **unbreakable** bond, (2) **unbreakable** commitment

This titanium bike frame is advertised as **unbreakable**.

## quantum

*n.* the smallest amount or unit of something, especially (electromagnetic) energy

(1) probabilistic **quantum** theory, (2) laws of **quantum** mechanics

Big techs are now eager to develop **quantum** computers.

## decipher

*v.* to read or understand something that is written in code or in a difficult or obscure way

*synonym*: interpret, decode, translate

(1) **decipher** code, (2) **decipher** message

He spent hours trying to **decipher** the ancient text.

## decrypt

- v.* to convert encoded or scrambled information or messages into a form that is intelligible or understandable; to reveal information that is hidden or obscured, such as data that has been encrypted for security purposes

*synonym* : decode, decipher, break

- (1) **decrypt** a file with a private key, (2) **decrypt** data

I need to **decrypt** this important message before it falls into the wrong hands.

## attempt

- n.* an act or effort of trying to do something, especially something difficult

*synonym* : endeavor, effort, try

- (1) the **attempt** to rescue the hostages, (2) a reckless **attempt**

The third **attempt** was far more successful.

## assassinate

- v.* to kill someone, usually a prominent or important figure, through a surprise attack or deliberate act of violence

*synonym* : murder, kill, eliminate

- (1) **assassinate** a leader, (2) plot to **assassinate**

The dictator's regime was known to **assassinate** political opponents who opposed his views.

## subsequent

- adj.* happening or occurring later or after something else

*synonym* : later, following, ensuing

- (1) over **subsequent** months, (2) reduce **subsequent** mortality

In the **subsequent** meeting, the team discussed ways to improve productivity.

## chop

- v.* to cut something into pieces with a sharp tool, such as a knife

*synonym* : cut, hack, slice

- (1) **chop** wood, (2) **chop** a meet with a knife

The cook **chopped** the vegetables for the soup.

## communicate

*v.* to share or exchange information with others by speaking, writing, moving your body, or using other signals

*synonym* : convey, share, transmit

(1) **communicate** his anxieties to the psychiatrist,

(2) **communicate** well with my advisor

Dolphins use sound to **communicate** with each other.

## complicated

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

*synonym* : complex, convoluted, intricate

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

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

## scheme

*n.* an organized and often large-scale plan or arrangement for doing something

*synonym* : strategy, blueprint, plan

(1) a pilot **scheme**, (2) draw out a **scheme**

They carefully executed the well-planned **scheme** they had prepared over the years.

## 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**.

## enigma

*n.* a puzzling or mysterious person, place, or thing; something that is difficult or impossible to understand or explain; a riddle or mysterious puzzle that requires a solution

*synonym* : mystery, puzzle, riddle

(1) mysterious **enigma**, (2) artistic **enigma**

The ancient text remains an **enigma**, challenging scholars to unravel its meaning.

## germ

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

*synonym* : bacterium, microbe, pathogen

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

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

## 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.

## improve

*v.* to make or become better

*synonym* : enhance, ameliorate, enrich

(1) **improve** a process, (2) **improve** the test score

We want to **improve** ties between our two countries.

## 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.

## 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**.

## confidential

*adj.* intended to be kept secret

*synonym* : secret, private, classified

(1) **confidential** information, (2) strictly **confidential** data

The **confidential** documents were only available to authorized personnel.

## exchange

*v.* to give something and receive something else in return, often with the implication that the items being traded are of equal or comparable value; (noun) the act of giving or taking something in return for something else; a place or system where goods or services can be bought, sold, or traded

*synonym* : trade, swap, interchange

(1) **exchange** rate, (2) **exchange** a few friendly words

My sister and I frequently **exchange** books, as we love reading.

## beforehand

*adv.* ahead of time; in advance

*synonym* : in advance, preceding, earlier

(1) take a seat **beforehand**, (2) three months **beforehand**

She packed her sunscreen **beforehand** to remember it on the beach trip.

## magic

*n.* beliefs and actions employed to influence supernatural beings and forces; any art or performance that invokes supernatural powers

*synonym* : fascination, illusion, wizardry

(1) a **magic** spell, (2) she is **magic**

He performed **magic** tricks with sophisticated moves.

## transfer

*v.* to move, pass, or change from one person, place, or situation to another

*synonym* : move, relocate, shift

(1) **transfer** a file, (2) **transfer** power

She **transferred** the money from her savings account to her checking account.



## brilliant

*adj.* extremely clever, skilled, or impressive

*synonym* : luminous, intelligent, clever

(1) **brilliant** idea, (2) **brilliant** performance

The more **brilliant** you are, the more people around you look at you with envy and jealousy.

## 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.

## mathematics

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

*synonym* : arithmetic, calculation, calculus

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

He has a flair for **mathematics**.

## calculator

*n.* a small electronic device for making arithmetic calculations

*synonym* : computer, machine, estimator

(1) **calculator** app, (2) analog **calculator**

I left my alpha **calculator** at home, so I had to borrow one from a classmate to finish my math homework.

## multiply

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

*synonym* : boost, amplify, reproduce

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

**Multiply** a number by itself twice.

## digit

*n.* one of the elements that collectively form a system of numeration; a finger, thumb, or toe

*synonym* : number, integer, numeral

(1) **digit** identifier, (2) the **digit** in the hundreds place  
We must enter a six- **digit** number to unlock the safe.

## supercomputer

*n.* a computer with a high level of computing power and speed, typically used for scientific or engineering computations that require immense amounts of data processing

*synonym* : high-performance computer, mainframe, giant computer

(1) **supercomputer** performance, (2) **supercomputer** technology

China has developed one of the world's fastest **supercomputers** for its space program.

## universe

*n.* everything that exists, especially all physical matter, including planets, stars, galaxies, and all other forms of matter and energy

*synonym* : cosmos, macrocosm

(1) theory of the **universe**, (2) expansion of the **universe**  
The **universe** is about 13.8 billion years old.

## integer

*n.* a whole number, either positive, negative, or zero, that is not a fraction or decimal

*synonym* : whole number, real number, numeral

(1) **integer** division, (2) positive **integer**

The sum of two **integers** can be either a positive integer, a negative integer, or zero.

## laptop

*n.* a portable computer that is small enough to be carried around easily and used on your lap

(1) bring my **laptop**, (2) thin-and-light **laptop**

I need to finish this report by tonight, so I'll be working on my **laptop** all day.

## basis

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

*synonym* : foundation, base, ground

(1) on an equal **basis**, (2) **basis** for calculation  
This evidence will form the **basis** for our discussion.

## compute

*v.* to make a mathematical calculation

*synonym*: calculate

(1) **compute** an average score, (2) **compute** the value  
I tried to **compute** the efficiency of the investment.

## planet

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

*synonym*: earth, world, globe

(1) **planet** like the Earth, (2) save the **planet**  
Mercury is the closest **planet** to the sun.

## combine

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

*synonym*: coalesce, cohere, blend

(1) **combine** chemically with another substance,  
(2) **combine** augmented reality

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

## cocky

*adj.* overly confident or arrogant; having an excessive belief in one's abilities or importance

*synonym*: arrogant, conceited, egotistical

(1) **cocky** confidence, (2) **cocky** behavior

His **cocky** attitude often got him in trouble with his coworkers.

## bunch

*n.* a grouping of several similar things which are growing or fastened together

*synonym*: group, assemblage, bundle

(1) a **bunch** of trees, (2) a **bunch** of schoolgirls

One bad apple spoils the whole **bunch**.

## physicist

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

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

Einstein was an outstanding and famous **physicist** of the

20th century.

**rev** *n.* a measure of the rate at which an engine or motor rotates, often expressed in revolutions per minute (RPM); (verb) to increase the number of rotations per minute

*synonym*: revolution, RPM, speed

(1) low- **rev** engine, (2) **rev** up the crowd

He stepped on the gas pedal, and the engine released a loud **rev**.

**spin** *v.* to cause something to rotate rapidly; to cause someone to feel dizzy or disoriented

*synonym*: rotate, twirl, swirl

(1) **spin** a top, (2) **spin** thread out of cotton

The tornado is **spinning** across the countryside, destroying everything in its path.

**clockwise** *adv.* in a circular direction that follows the course of a clock's hands or in a direction that is considered to be forward or positive

*synonym*: rightward, deasil

(1) rotate **clockwise**, (2) move **clockwise**

We need to turn the knob **clockwise** to lock the door.

**counterclockwise** *adv.* in a direction opposite to the rotation of a clock's hands or opposite to the usual direction of movement or flow

*synonym*: anticlockwise, reversely

(1) move **counterclockwise**, (2) swirl **counterclockwise**

The carousel rotates **counterclockwise** at a slow pace.

**simultaneously** *adv.* at the same time

*synonym*: concurrently, coincidentally, together

(1) **simultaneously** affected, (2) take several inputs **simultaneously**

Two students answered the teacher's question **simultaneously**.

## incorrect

*adj.* not in accordance with fact or truth or not accurate  
*synonym* : unsound, wrong, inaccurate

(1) make an **incorrect** report, (2) an **incorrect** translation  
He found my English sentences are **incorrect**.

## opposition

*n.* the act of disagreeing or resisting; the state of strong disagreement

*synonym* : resistance, hostility, antagonism

(1) **opposition** campaign, (2) meet with **opposition**  
The **opposition** party strongly disagreed with the government's proposed legislation.

## influence

*n.* the ability to affect someone's or something's character, growth, or behavior, or the effect itself

*synonym* : power, leverage, effect

(1) **influence** a child's future, (2) **influence** the daily life  
The former emperor had a particular **influence** even after he abdicated.

## instantaneous

*adj.* occurring or happening immediately or without delay; taking place in an instant or moment

*synonym* : immediate, prompt, rapid

(1) **instantaneous** reaction, (2) **instantaneous** message  
The new software provides **instantaneous** results, making it much more efficient than the previous version.

## row

*n.* an arrangement of objects or people side by side in a line

*synonym* : line, sequence, layer

(1) criminal on death **row**, (2) a **row** of cherry trees  
He was the leader of the demonstrators and spoke out against the war in the front **row**.

## 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.

## 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.

## teeny

*adj.* extremely small; tiny

*synonym*: tiny, mini, minuscule

(1) **teeny** bit, (2) so **teeny** tiny

The ring was so **teeny** that it almost looked like a toy.

## atomic

*adj.* of or relating to atom (= the smallest component of an element)

*synonym*: tiny, microscopic, nuclear

(1) **atomic** nucleus, (2) **atomic** bomb

Carbon has an **atomic** mass of 12.

## realm

*n.* a domain of activity, interest, or knowledge

*synonym*: domain, empire, kingdom

(1) public **realm**, (2) beyond the **realm** of possibility

Her passions are in the **realm** of real-world political affairs.

## electron

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

*synonym*: negatron

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

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

## proton

*n.* a very small particle with a positive charge equal to the negative charge of an electron that forms part of the nucleus of all atoms

(1) **proton** decay, (2) **proton** conductivity

The solar wind is composed almost entirely of electrons and **protons**.

## physics

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

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

He studied the **physics** of radiation.

## mechanics

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

*synonym*: kinematics, dynamics

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

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

## spinning

*n.* the act of rotating rapidly around an axis; in the context of textiles, the process of twisting fibers together to form thread or yarn

*synonym*: whirling, rotating, spinning wheel

(1) **spinning** machine, (2) **spinning** wheel

She took a **spinning** class at the gym to improve her cardiovascular fitness.

## fiction

*n.* the type of book or story, especially novels, that describes imaginary events and people; anything made up or imagined that is not true

*synonym*: fantasy, fable, invention

(1) stuff of science **fiction**, (2) non- **fiction** bestseller

Truth is stranger than **fiction**.

## 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.

## harness

*v.* to control and exploit the power of something, especially natural resources that produce energy; (noun) a set of

narrow pieces of leather and metal that are used to control or hold in place a person, animal, or object

*synonym*: rein in, control, (noun) belt

(1) **harness** a horse to a carriage, (2) put a **harness** on my pet

People have been exploring ways to **harness** natural forces and resources since ancient times.

## weird

*adj.* extraordinary, unexpected, or difficult to explain

*synonym*: bizarre, creepy, peculiar

(1) a **weird** dress, (2) the state of being **weird**

My computer has been acting **weird** recently.

## wacky

*adj.* funny in a slightly odd, peculiar, irregular way

*synonym*: absurd, eccentric, ludicrous

(1) **wacky** value, (2) **wacky** plan for selling more books

His friend was a pretty wild and **wacky** character.

## revolutionary

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

*synonym*: radical, innovative, groundbreaking

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

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

## useless

*adj.* not serving any useful purpose; having no practical result

*synonym*: ineffectual, unhelpful, worthless

(1) **useless** information, (2) **useless** in the kitchen

The old, rusty tools were now **useless** and had to be thrown away.

## comparison

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

*synonym*: equivalence, analogy, contrast

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



caloric basis

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

## abacus

*n.* a counting device consisting of a frame with rods or wires on which beads or stones are moved to perform arithmetic calculations

*synonym*: bead frame, counting frame

(1) **abacus** calculations, (2) wooden **abacus** beads

The child was learning how to use an **abacus** in her math class.

## bead

*n.* a small, usually round object made of glass, wood, or plastic that is used for decoration or as part of jewelry

*synonym*: pearl, droplet, marble

(1) a beautiful **bead**, (2) **bead** curtain

She threaded the **beads** onto the string to make a necklace.

## 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.

## chemical

*adj.* relating to or connected with chemistry;

*synonym*: chemic, synthetic

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

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

## 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.

## 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.

## tackle

*v.* to try to deal with a complex problem or situation

*synonym*: deal with, dive into, work on

(1) **tackle** the issue, (2) help **tackle** climate change

The government is determined to **tackle** sharp inflation.

## 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.

## disease

*n.* a disorder or illness that affects the body or mind, often characterized by specific symptoms or abnormal functioning of organs or systems

*synonym*: illness, ailment, affliction

(1) **disease** prevention, (2) **disease** control

The doctor diagnosed him with a rare **disease** that had no known cure.

## pandemic

*n.* an outbreak of a disease that affects many people over a very wide area

*synonym*: outbreak

(1) flu **pandemic**, (2) global **pandemic**

They fear a **pandemic** of a new type of virus.

## unsuccessful

*adj.* failing to accomplish an intended result or having an unfavorable outcome; not successful

*synonym* : failing, abortive, doomed

(1) an **unsuccessful** writer, (2) **unsuccessful** effort

The government's attempts to infiltrate the terrorist group were largely **unsuccessful**.

## superhuman

*adj.* possessing abilities or characteristics that exceed those of normal humans; beyond human capacity or capability

*synonym* : supernatural, inhuman, beyond human

(1) **superhuman** beings, (2) **superhuman** effort

The athlete's **superhuman** strength allowed him to lift twice his body weight.

## 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.

## incredible

*adj.* unbelievable; enormous

*synonym* : unbelievable, fantastical, inconceivable

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

Her response revealed **incredible** idiocy.

## distracted

*adj.* having one's attention diverted or divided; being unable to concentrate because of being preoccupied or worried

*synonym* : preoccupied, inattentive, absent-minded

(1) get **distracted** by an urgent matter, (2) **distracted** by a conversation

I was so **distracted** by my phone that I nearly walked into a lamppost.

## misery

*n.* a state of ill-being due to affliction or misfortune

*synonym* : affliction, despair, anguish

(1) live in **misery**, (2) untold **misery**

Our company suffered **misery** from incurring a heavy loss.

## hack

v. to hit and cut somebody or something roughly and violently; to find a bug in a computer program and break into their systems or networks

*synonym*: cut, chop, crack

(1) **hack** through the jungle, (2) **hack** into the program

This blog offers a variety of tips for **hacking** everyday life.

## spear

n. a weapon with a long shaft and a sharp metal point used for battle, hunting, and fishing in the past

*synonym*: javelin, pike, lance

(1) hunting **spear**, (2) sharp-pointed **spear**

Ancient people made **spears** with wood entirely.

## shield

n. a protective covering or structure, especially in the past, that soldiers held in front of their bodies to protect themselves

*synonym*: guard, protection, safeguard

(1) a heat **shield**, (2) a **shield** for protecting against a bullet

Lead is an effective **shield** against X-rays, gamma rays, and other harmful radiation.

## tissue

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

*synonym*: structure, texture, anatomy

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

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

## 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.

## economy

*n.* the system by which a country or region produces, manages, and distributes goods and services, including the money and finances involved in these activities; (of an airline) the lowest-priced, most basic option for seating in commercial travel

*synonym* : finance, trade, business

(1) **economy** of scale, (2) **economy** class

The **economy** of the country is struggling due to the recent political instability.

## 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.

## 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.

## cam

*n.* a device or mechanism that converts rotary motion to linear motion or vice versa; a revolving cylinder with an irregular shape used in machinery to convert rotary motion into intermittent or reciprocating motion; an abbreviation for camera

*synonym* : camera, device, gadget

(1) security **cam**, (2) **cam** lever

The mechanic adjusted the **cam** mechanism to improve the

engine's performance.

## mum

*n.* a British term for "mom" or "mother"; (adjective) failing to speak or communicate when expected to do so

*synonym* : mother, silent, soundless

(1) **mum's** cooking, (2) keep **mum**

My **mum** always knew how to comfort me when I was feeling down.

## slide

*v.* to move or cause to move smoothly along a surface without interruption

*synonym* : glide, drift, drop

(1) **slide** a card across the table, (2) **slide** a glance

If necessary, you can **slide** the front seats forward.

## sequence

*n.* a series of related events, actions, numbers, etc., which have a particular order

*synonym* : arrangement, succession, series

(1) the **sequence** of the seasons, (2) the DNA **sequence**

We do move forward with those tasks in **sequence** next week.

## bounce

*v.* to cause to move up or away after hitting a surface; to spring back

*synonym* : bound, leap, spring

(1) **bounce** across the floor, (2) **bounce** back from failure

They will **bounce** between various emotional states.

## satellite

*n.* an electronic device that is sent up into space and moves around the Earth or another planet, used for gathering information or communicating by radio, television, etc.

*synonym* : orbiter, asteroid, moon

(1) a GPS **satellite**, (2) a meteorological **satellite**

Launching an artificial **satellite** contributed to the technological development of our country.

## transmit

*v.* to send or forward an electronic signal; to pass something from one person or thing to another

*synonym* : convey, share, dispatch

(1) **transmit** the disease, (2) **transmit** information

Parents often **transmit** their characteristics to their children.

## pace

*n.* the speed at which someone or something moves, or the rate at which something happens or changes

*synonym* : gait, rate, speed

(1) at your own **pace**, (2) the runner's **pace**

The economy is growing at a supercharged **pace**.

## indebted

*adj.* owing money or having financial obligations to another person or organization; feeling grateful or obligated to someone for their help, support, or kindness

*synonym* : owing, obligated, beholden

(1) **indebted** to creditors, (2) financially **indebted**

He felt **indebted** to his parents for all the sacrifices they had made for him.

## complexity

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

*synonym* : intricacy, sophistication, elaboration

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

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

## molecule

*n.* a group of two or more atoms held together by attractive forces known as chemical bonds

*synonym* : particle, element, atom

(1) small **molecules**, (2) **molecule** behavior

The shape of the DNA **molecule** is a double helix.

## particle

*n.* a small piece of something; a word or piece of a term with grammatical function but little or no significance

*synonym* : atom, grain, bit

(1) charged **particle**, (2) **particle** energy

We can calculate the position of the **particles** statistically.

## opposing

*adj.* competing, fighting, or working against each other  
*synonym*: disagreeing, dissenting, conflicting

(1) **opposing** counsel, (2) in an **opposing** direction  
We have no intention of **opposing** his idea.

## bizarre

*adj.* very strange or unusual  
*synonym*: abnormal, freaky, outlandish

(1) the story is **bizarre**, (2) **bizarre** behavior  
The truth was more **bizarre** than expected.

## brain

*n.* the organ inside the head that is responsible for one's movement, thought, memory, and feeling  
*synonym*: intellect, mind, encephalon

(1) basic **brain** function, (2) permanent **brain** damage  
X-rays revealed a small tumor in his **brain**.

## ingenious

*adj.* showing inventiveness and ability or skill  
*synonym*: creative, innovative, inventive

(1) **ingenious** device, (2) **ingenious** idea  
I always look forward to reading his stories since they're so **ingenious**.

## principle

*n.* a fundamental law or truth that explains or controls how something happens or works  
*synonym*: rule, creed, code

(1) **principle** of treatment, (2) **principle** in business  
Efficiency isn't an essential **principle** here; fairness is.

## qubit

*n.* a unit of information used in quantum computing, equivalent to a single binary digit (or "bit") of classical computing, which can exist in multiple possible states simultaneously, offering greater information processing potential than classical bits

*synonym*: quantum bit

(1) quantum **qubit**, (2) **qubit** storage



Technology development for controlling **qubits** is a major research goal in quantum computing.

## infinite

*adj.* unlimited or very great; impossible to measure

*synonym*: boundless, countless, limitless

(1) **infinite** appetite, (2) **infinite** in supply

The battle had an **infinite** impact on the nation.

## correspond

*v.* to match or be similar to something else almost exactly;  
to exchange messages

*synonym*: match, equate, communicate

(1) **correspond** to a standard, (2) **correspond** with a foreign student

The numbers on the sign **correspond** to points on the map.

## combination

*n.* a collection of things that have been combined; an assemblage of separate parts or qualities

*synonym*: blend, hybrid, compounding

(1) genic **combinations**, (2) **combination** number

The **combination** to the safe was a secret.

## phenomenon

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

*synonym*: marvel, wonder, splendor

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

A rainbow is a natural **phenomenon**.

## superposition

*n.* a principle in physics that describes the combination or overlaying of two or more waves or states of matter; (of geology) the process by which layers of rock or sediment are deposited on top of one another over time

*synonym*: overlay, overlap

(1) quantum **superposition**, (2) **superposition** theorem

The **superposition** of waves can result in either constructive or destructive interference.

## exponential

*adj.* becoming more and more rapid; of or involving mathematical exponents

(1) **exponential** growth, (2) **exponential** function

Since the 1990s, the Internet has continued to experience **exponential** growth.

## hint

*n.* an indirect suggestion; a slight but appreciable amount of something

*synonym*: clue, indication, suggestion

(1) **hint** of trouble, (2) helpful **hints**

There was no **hint** of a problem.

## 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.

## treasure

*n.* a valuable or desirable possession; something that is cherished or held dear; a collection of valuable objects or money that is hidden or protected

*synonym*: hoard, fortune, gem

(1) **treasure** hunt, (2) **treasure** island

The pirates searched for buried **treasure** in the dunes.

## conventional

*adj.* based on or following traditional rules, standards, customs, etc.

*synonym*: ancestral, customary, established

(1) a **conventional** style, (2) get a **conventional** loan

She is very **conventional** in her thoughts.

## wisdom

*n.* the quality of being wise, or the ability to use your knowledge and experience to make sensible decisions

*synonym*: sagacity, discernment, insight

(1) a fountain of **wisdom**, (2) **wisdom** literature

The community greatly respected and sought after the older adult's **wisdom**.

## examine

v. to study or consider a person or object attentively and thoroughly to learn something about them

*synonym*: study, probe, analyze

(1) **examine** the data studiously, (2) **examine** the issue

Initially, we must **examine** all project-related expenses.

## parallel

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

*synonym*: aligned, side-by-side, similar

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

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

## cancel

v. to decide that a previously scheduled activity will not take place

*synonym*: abort, invalidate, annul

(1) **cancel** a class, (2) **cancel** a free subscription trial

When customers **cancel** their reservations, they lose the deposit they made.

## reinforce

v. to strengthen or support something, especially by adding another material to it; to make emotion, idea, etc. stronger

*synonym*: strengthen, fortify, support

(1) **reinforce** the military, (2) **reinforce** good behavior

We should **reinforce** the troops at the front line.

## amplify

v. to enhance something, particularly sound or brightness

*synonym*: intensify, boost, argument

(1) **amplify** a signal, (2) **amplify** the effect

You might need to **amplify** this point.

## observe

v. to watch or notice something carefully, often to gather information or insights; to take note of something or

someone; to celebrate or commemorate a special event or occasion

*synonym* : watch, monitor, scrutinize

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

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

## pioneer

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

*synonym* : frontiersperson, innovator, trailblazer

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

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

## contemplate

*v.* to think about a possible future action or to think about something for a long time thoughtfully

*synonym* : think over, ponder, consider

(1) **contemplate** a marriage, (2) **contemplated** leaving school

I recently **contemplated** dropping out of school and getting a full-time job.

## profoundly

*adv.* to a great or complete degree; deeply

*synonym* : deeply, greatly, completely

(1) **profoundly** insightful, (2) sleep **profoundly**

The novel affected her **profoundly**, causing her to question her beliefs and values.

## shock

*n.* a strong feeling or physical reaction to a sudden and unexpected event or experience, especially something unpleasant

*synonym* : amazement, surprise, stunner

(1) death from **shock**, (2) **shock-resistant**

He got an electric **shock** at work.

## 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**.

## fortunate

*adj.* having good luck or lucky

*synonym*: fortuitous, lucky, blessed

(1) **fortunate** situation, (2) less **fortunate** person

He was pretty **fortunate** to pass the exam.

## 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**.

## folk

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

*synonym*: community, family, person

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

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

## government

*n.* the group of people with authority to control a country or state

*synonym*: administration, regime, state

(1) **government** bureaucracy, (2) **government** funding

The federal **government** is planning to increase taxes for the next fiscal year.

## pundit

*n.* an expert, authority, or knowledgeable commentator who frequently expresses opinions or gives analysis on a particular subject or issue

*synonym*: expert, commentator, punditry

(1) conservative **pundit**, (2) sports **pundit**

The political **pundit** provided analysis and commentary on

the latest election results.

## unfortunately

*adv.* by bad luck; unluckily

*synonym* : regrettably, unluckily, alas

(1) **unfortunately** caught in a shower, (2) even more **unfortunately**

The treatments were done but, **unfortunately**, were unsuccessful.

## ignore

*v.* to intentionally not listen or pay attention to

*synonym* : neglect, disregard, shun

(1) **ignore** her advice, (2) **ignore** a ban

Since independence, the area has been completely **ignored**.

## deploy

*v.* to move troops or weapons into a position or military action; to bring into something in an effective way

*synonym* : set up, expand, launch

(1) **deploy** troops for battle, (2) **deploy** safety measures

This country **deployed** its weapons in the east region.

## roll

*v.* to move in a particular direction by turning over and over or from side to side

*synonym* : spin, swirl, wheel

(1) **roll** a ball, (2) **roll** down his cheeks

He was exhausted and **rolled** into bed as soon as he got home.

## 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.

## sensitive

*adj.* able to notice slight changes, signals, or influences; able to feel or perceive other's feelings; susceptible to the things people say or do

*synonym* :

exposed, susceptible, keen

(1) **sensitive** documents, (2) baby with **sensitive** skin  
The teacher is very **sensitive** to children's feelings.

## anticipation

*n.* the action of expecting that something might happen in the future and perhaps doing something about it now  
*synonym*: expectation, prediction, prospect

(1) **anticipation** of her arrival, (2) hazard **anticipation**  
She waited in eager **anticipation** for his arrival.

## 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.

## retroactive

*adj.* taking effect from a date in the past rather than the present; applying to a prior period or event  
*synonym*: retrospective, backward-looking

(1) **retroactive** interference, (2) **retroactive** changes  
The **retroactive** pay increase was a nice surprise for the employees.

## sector

*n.* a distinct part or division of something often used to refer to a segment of an economy or industry; an area or field of work or activity

*synonym*: division, department, branch

(1) industrial **sector**, (2) private **sector**  
The technology **sector** is constantly evolving and innovating.

## military

*adj.* relating to or characteristic of members of the armed forces; of or relating to war or warfare

*synonym*: armed, martial, warlike

(1) a **military** operation, (2) a **military** leader  
The **military** academy was known for its strict discipline and training.

## proof

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

*synonym*: testimony, evidence, assurance

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

**Proof** is better than argument.

## urgently

*adv.* in a way that requires immediate action or attention, especially before anything else, because of being very important

*synonym*: promptly, immediately, swiftly

(1) tackle the problem **urgently**, (2) **urgently** required

I need to send this email **urgently**.

## reinvent

*v.* to change something so drastically that it looks to be completely new

*synonym*: recreate, remake, revive

(1) **reinvent** local dishes, (2) **reinvent** our life

They have tried to **reinvent** their grocery stores.

## exotic

*adj.* originating from or characteristic of a foreign country or culture; strikingly unusual, uncommon, or intriguing

*synonym*: foreign, alien, unfamiliar

(1) **exotic** species, (2) **exotic** vacation

I love trying **exotic** foods from different cultures.

## abstract

*adj.* based on general ideas, feelings, or qualities and not on any a physical or concrete existence

*synonym*: conceptual, theoretical, ideational

(1) an **abstract** noun, (2) **abstract** science

The invention of the camera triggered the development of **abstract** painting.

## geometric

*adj.* relating to or having the characteristics of geometry (= the shape, properties, and relations of points, lines, surfaces, solids)

*synonym*: mathematical, symmetrical, regular

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



The **geometric** shapes and patterns in the artwork are visually stunning.

## dimension

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

*synonym* : extent, measurement, size

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

Overall **dimensions** are approximately 400x200mm.

## graph

*n.* a picture consisting of a line, lines, points, etc., that shows how two or more sets of certain quantities are related to each other

*synonym* : chart, diagram, figure

(1) **graph** theory, (2) a **graph** sample

This bar **graph** shows sales over the past five years.

## 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.

## depict

*v.* to illustrate someone or something in a photograph

*synonym* : illustrate, describe, express

(1) **depict** a scene, (2) **depict** a feeling of isolation

His son had accurately **depicted** the bloom.

## tremendous

*adj.* very great in degree or extent or amount or impact; extremely good

*synonym* : enormous, giant, immense

(1) **tremendous** amount, (2) **tremendous** popularity

We had a **tremendous** time yesterday.

## excite

*v.* to make someone feel suddenly enthusiastic or eager

*synonym* : thrill, exhilarate, animate

(1) **excite** the crowd, (2) **excite** rebellion  
The news of her promotion **excited** her.

## **technological**

*adj.* based on scientific and industrial progress

*synonym*: specialized, technical

(1) **technological** advancement, (2) **technological** policy  
**Technological** advances have disrupted many industries.

## Session 2: Spelling

1. se\_\_\_e stick *n.* a photograph that one has taken of oneself, typically one taken with a smartphone or webcam to share on social media
2. in\_\_\_\_\_us idea *adj.* showing inventiveness and ability or skill
3. mu\_\_\_\_\_ly about hundredfold *v.* to add a number to itself a specified number of times; to increase or cause to increase very much in number or quantity
4. conservative pu\_\_\_t *n.* an expert, authority, or knowledgeable commentator who frequently expresses opinions or gives analysis on a particular subject or issue
5. r\_\_l a ball *v.* to move in a particular direction by turning over and over or from side to side
6. positive in\_\_\_\_\_r *n.* a whole number, either positive, negative, or zero, that is not a fraction or decimal
7. laws of ph\_\_\_\_\_s *n.* the science of matter and energy and their interactions
8. sma\_\_\_\_\_ne addict *n.* a mobile phone that functions as a computer and connects to the Internet
9. co\_\_\_\_\_e augmented reality *v.* to join or merge to form a single thing or group

ANSWERS: 1. selfie, 2. ingenious, 3. multiply, 4. pundit, 5. roll, 6. integer, 7. physics, 8. smartphone, 9. combine

10. con\_\_\_\_\_ted leaving school      *v.* to think about a possible future action or to think about something for a long time thoughtfully
11. pl\_\_\_\_t like the Earth      *n.* any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star
12. in\_\_\_\_t gaze      *n.* a strong determination or attention to do or achieve something; (adjective) having a strong determination to do or achieve something
13. exp\_\_\_\_\_al function      *adj.* becoming more and more rapid; of or involving mathematical exponents
14. field of artificial int\_\_\_\_\_nce      *n.* the ability to learn, comprehend, or make judgments or conclusions based on reasons
15. fun\_\_\_\_\_al education      *adj.* forming an essential base or core from which everything else develops or is affected
16. ret\_\_\_\_\_ve interference      *adj.* taking effect from a date in the past rather than the present; applying to a prior period or event
17. h\_\_t progress      *v.* to bring or come to a stop; to force to stop moving or operating
18. sup\_\_\_\_\_an effort      *adj.* possessing abilities or characteristics that exceed those of normal humans; beyond human capacity or capability
19. fo\_\_\_\_\_te situation      *adj.* having good luck or lucky
20. antibiotic-resistant g\_\_m      *n.* a very tiny living that causes the disease; a piece of something such as an organism, concept, etc., capable of growing into a new one or part of one

ANSWERS: 10. contemplate, 11. planet, 12. intent, 13. exponential, 14. intelligence, 15. fundamental, 16. retroactive, 17. halt, 18. superhuman, 19. fortunate, 20. germ

21. cognitive com\_\_\_\_\_ty *n.* the state or quality of being complicated or intricate and difficult to understand
22. the se\_\_\_\_\_ce of the seasons *n.* a series of related events, actions, numbers, etc., which have a particular order
23. uncontrollable r\_\_\_e *n.* a strong feeling of anger or violence
24. am\_\_\_\_\_y a signal *v.* to enhance something, particularly sound or brightness
25. talented ph\_\_\_\_\_st *n.* a scientist who specializes in the field of physics
26. im\_\_\_\_\_e the test score *v.* to make or become better
27. de\_\_\_\_\_er code *v.* to read or understand something that is written in code or in a difficult or obscure way
28. loss of muscle ti\_\_\_\_\_e *n.* an ensemble of similar cells of the animal or plant that together carry out a specific function
29. ex\_\_\_\_\_e rebellion *v.* to make someone feel suddenly enthusiastic or eager
30. put a ha\_\_\_\_\_s on my pet *v.* to control and exploit the power of something, especially natural resources that produce energy; (noun) a set of narrow pieces of leather and metal that are used to control or hold in place a person, animal, or object
31. pre-mo\_\_\_\_\_n agricultural society *adj.* of or belonging to the present time or recent times
32. de\_\_\_\_\_d my country *v.* to protect someone or something from attack, criticism, danger, etc.

ANSWERS: 21. complexity, 22. sequence, 23. rage, 24. amplify, 25. physicist, 26. improve, 27. decipher, 28. tissue, 29. excite, 30. harness, 31. modern, 32. defend

33. 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.
34. draw out a sc\_\_\_e      *n.* an organized and often large-scale plan or arrangement for doing something
35. expansion of the un\_\_\_\_se      *n.* everything that exists, especially all physical matter, including planets, stars, galaxies, and all other forms of matter and energy
36. hunting sp\_\_r      *n.* a weapon with a long shaft and a sharp metal point used for battle, hunting, and fishing in the past
37. a gr\_\_h sample      *n.* a picture consisting of a line, lines, points, etc., that shows how two or more sets of certain quantities are related to each other
38. nuclear ph\_\_\_\_s      *n.* the science of matter and energy and their interactions
39. sa\_\_\_\_\_rd my property      *v.* to protect something or someone from harm, damage, or loss
40. a beautiful b\_\_d      *n.* a small, usually round object made of glass, wood, or plastic that is used for decoration or as part of jewelry
41. artistic en\_\_\_a      *n.* a puzzling or mysterious person, place, or thing; something that is difficult or impossible to understand or explain; a riddle or mysterious puzzle that requires a solution

ANSWERS: 33. rely, 34. scheme, 35. universe, 36. spear, 37. graph, 38. physics, 39. safeguard, 40. bead, 41. enigma

42. analog cal\_\_\_\_\_or *n.* a small electronic device for making arithmetic calculations
43. an uns\_\_\_\_\_ful writer *adj.* failing to accomplish an intended result or having an unfavorable outcome; not successful
44. thin-and-light la\_\_\_p *n.* a portable computer that is small enough to be carried around easily and used on your lap
45. a re\_\_\_\_\_nt of a Nobel prize *n.* a person who receives something
46. tr\_\_\_\_\_it the disease *v.* to send or forward an electronic signal; to pass something from one person or thing to another
47. 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
48. m\_m's cooking *n.* a British term for "mom" or "mother"; (adjective) failing to speak or communicate when expected to do so
49. quantum sup\_\_\_\_\_ion *n.* a principle in physics that describes the combination or overlaying of two or more waves or states of matter; (of geology) the process by which layers of rock or sediment are deposited on top of one another over time
50. bo\_\_\_e across the floor *v.* to cause to move up or away after hitting a surface; to spring back
51. get dis\_\_\_\_\_ed by an urgent matter *adj.* having one's attention diverted or divided; being unable to concentrate because of being preoccupied or worried

ANSWERS: 42. calculator, 43. unsuccessful, 44. laptop, 45. recipient, 46. transmit, 47. nuke, 48. mum, 49. superposition, 50. bounce, 51. distracted

52. sa\_\_\_\_\_rd environmental quality      *v.* to protect something or someone from harm, damage, or loss
53. a pilot sc\_\_\_e      *n.* an organized and often large-scale plan or arrangement for doing something
54. a facial ti\_\_\_e      *n.* an ensemble of similar cells of the animal or plant that together carry out a specific function
55. unpaid w\_\_es      *n.* a particular amount of money that somebody earns, usually every week or every month, for work or services
56. con\_\_\_\_\_ial information      *adj.* intended to be kept secret
57. ex\_\_\_c species      *adj.* originating from or characteristic of a foreign country or culture; strikingly unusual, uncommon, or intriguing
58. the in\_\_\_\_\_on of new techniques      *n.* the creation of a new device or process resulting from study and experimentation; the act of inventing
59. 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
60. the DNA se\_\_\_\_\_ce      *n.* a series of related events, actions, numbers, etc., which have a particular order
61. sma\_\_\_\_\_ne app developer      *n.* a mobile phone that functions as a computer and connects to the Internet
62. in\_\_\_\_\_ce the daily life      *n.* the ability to affect someone's or something's character, growth, or behavior, or the effect itself

ANSWERS: 52. safeguard, 53. scheme, 54. tissue, 55. wage, 56. confidential, 57. exotic, 58. invention, 59. digital, 60. sequence, 61. smartphone, 62. influence



63. take several inputs sim\_\_\_\_\_sly     *adv.* at the same time
64. ge\_\_\_\_\_ic pattern     *adj.* relating to or having the characteristics of geometry (= the shape, properties, and relations of points, lines, surfaces, solids)
65. the in\_\_\_t of a question     *n.* a strong determination or attention to do or achieve something; (adjective) having a strong determination to do or achieve something
66. on an equal ba\_\_s     *n.* the most important facts, ideas, or events from which something is developed; the way how things are organized or arranged
67. a com\_\_\_\_\_ed process     *adj.* involving a lot of different things or parts in a way that is difficult to understand or analyze
68. a geometric pr\_\_f     *n.* a fact or piece of information that shows something is true or exists
69. re\_\_\_\_\_nt local dishes     *v.* to change something so drastically that it looks to be completely new
70. unf\_\_\_\_\_ely caught in a shower     *adv.* by bad luck; unluckily
71. unb\_\_\_\_\_le bond     *adj.* not able to be broken or damaged
72. pa\_\_\_\_\_le energy     *n.* a small piece of something; a word or piece of a term with grammatical function but little or no significance
73. the f\_\_k songs of a particular district     *n.* people in general, especially those of a particular group or type

ANSWERS: 63. simultaneously, 64. geometric, 65. intent, 66. basis, 67. complicated, 68. proof, 69. reinvent, 70. unfortunately, 71. unbreakable, 72. particle, 73. folk

74. a cold cl\_\_\_\_e  
*n.* the weather in a particular location averaged over some long period
75. pr\_\_\_\_n decay  
*n.* a very small particle with a positive charge equal to the negative charge of an electron that forms part of the nucleus of all atoms
76. in\_\_\_\_ed to creditors  
*adj.* owing money or having financial obligations to another person or organization; feeling grateful or obligated to someone for their help, support, or kindness
77. a pa\_\_\_\_el case  
*adj.* being everywhere equidistant and not intersecting; of or relating to the simultaneous performance of multiple operations
78. 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
79. in\_\_\_\_us device  
*adj.* showing inventiveness and ability or skill
80. a sh\_\_\_\_d for protecting against a bullet  
*n.* a protective covering or structure, especially in the past, that soldiers held in front of their bodies to protect themselves
81. 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: 74. climate, 75. proton, 76. indebted, 77. parallel, 78. screw, 79. ingenious, 80. shield, 81. launch

82. the at\_\_\_\_t to rescue the hostages     *n.* an act or effort of trying to do something, especially something difficult
83. qu\_\_t storage     *n.* a unit of information used in quantum computing, equivalent to a single binary digit (or "bit") of classical computing, which can exist in multiple possible states simultaneously, offering greater information processing potential than classical bits
84. un\_\_\_k a door with a key     *v.* to open something, such as a door, window, etc., usually using a key
85. ca\_\_\_l a class     *v.* to decide that a previously scheduled activity will not take place
86. rev\_\_\_\_\_ary change     *adj.* relating to or characterized by a complete or dramatic change
87. reduce sub\_\_\_\_\_nt mortality     *adj.* happening or occurring later or after something else
88. mat\_\_\_\_\_cs competition     *n.* the science dealing with the logic of quantities, shapes, spaces, and arrangement
89. sports pu\_\_\_t     *n.* an expert, authority, or knowledgeable commentator who frequently expresses opinions or gives analysis on a particular subject or issue
90. opp\_\_\_\_\_on campaign     *n.* the act of disagreeing or resisting; the state of strong disagreement
91. inc\_\_\_\_\_le amount     *adj.* unbelievable; enormous
92. sh\_\_k-resistant     *n.* a strong feeling or physical reaction to a sudden and unexpected event or experience, especially something unpleasant

ANSWERS: 82. attempt, 83. qubit, 84. unlock, 85. cancel, 86. revolutionary, 87. subsequent, 88. mathematics, 89. pundit, 90. opposition, 91. incredible, 92. shock

93. become increasingly com\_\_\_\_\_ed     *adj.* involving a lot of different things or parts in a way that is difficult to understand or analyze
94. sc\_\_\_\_\_le for support     *v.* to move or climb quickly and awkwardly, often using your hands to help you
95. op\_\_\_\_\_ng counsel     *adj.* competing, fighting, or working against each other
96. a fountain of wi\_\_\_\_m     *n.* the quality of being wise, or the ability to use your knowledge and experience to make sensible decisions
97. rotate cl\_\_\_\_\_se     *adv.* in a circular direction that follows the course of a clock's hands or in a direction that is considered to be forward or positive
98. se\_\_\_\_\_ve documents     *adj.* able to notice slight changes, signals, or influences; able to feel or perceive other's feelings; susceptible to the things people say or do
99. theory of the un\_\_\_\_\_se     *n.* everything that exists, especially all physical matter, including planets, stars, galaxies, and all other forms of matter and energy
100. de\_\_\_\_e my position     *v.* to state or explain precisely the nature, scope, or meaning of something
101. ex\_\_\_\_\_e the issue     *v.* to study or consider a person or object attentively and thoroughly to learn something about them
102. br\_\_\_\_\_nt performance     *adj.* extremely clever, skilled, or impressive

ANSWERS: 93. complicated, 94. scramble, 95. opposing, 96. wisdom, 97. clockwise, 98. sensitive, 99. universe, 100. define, 101. examine, 102. brilliant

103. ab\_\_\_s calculations *n.* a counting device consisting of a frame with rods or wires on which beads or stones are moved to perform arithmetic calculations
104. small mo\_\_\_\_\_les *n.* a group of two or more atoms held together by attractive forces known as chemical bonds
105. in an op\_\_\_\_\_ng direction *adj.* competing, fighting, or working against each other
106. co\_\_\_\_\_e the value *v.* to make a mathematical calculation
107. death from sh\_\_k *n.* a strong feeling or physical reaction to a sudden and unexpected event or experience, especially something unpleasant
108. sup\_\_\_\_\_ter performance *n.* a computer with a high level of computing power and speed, typically used for scientific or engineering computations that require immense amounts of data processing
109. move cou\_\_\_\_\_ise *adv.* in a direction opposite to the rotation of a clock's hands or opposite to the usual direction of movement or flow
110. ex\_\_\_\_\_e the data studiously *v.* to study or consider a person or object attentively and thoroughly to learn something about them
111. probabilistic qu\_\_\_\_\_m theory *n.* the smallest amount or unit of something, especially (electromagnetic) energy
112. baby with se\_\_\_\_\_ve skin *adj.* able to notice slight changes, signals, or influences; able to feel or perceive other's feelings; susceptible to the things people say or do

ANSWERS: 103. abacus, 104. molecule, 105. opposing, 106. compute, 107. shock, 108. supercomputer, 109. counterclockwise, 110. examine, 111. quantum, 112. sensitive

113. ass\_\_\_\_\_te a leader *v.* to kill someone, usually a prominent or important figure, through a surprise attack or deliberate act of violence
114. s\_\_n a top *v.* to cause something to rotate rapidly; to cause someone to feel dizzy or disoriented
115. ig\_\_\_e a ban *v.* to intentionally not listen or pay attention to
116. pose for a se\_\_\_e *n.* a photograph that one has taken of oneself, typically one taken with a smartphone or webcam to share on social media
117. pa\_\_\_\_\_el processing *adj.* being everywhere equidistant and not intersecting; of or relating to the simultaneous performance of multiple operations
118. industrial se\_\_\_r *n.* a distinct part or division of something often used to refer to a segment of an economy or industry; an area or field of work or activity
119. effects of cl\_\_\_\_\_e change *n.* the weather in a particular location averaged over some long period
120. asymmetric cry\_\_\_\_\_phy *n.* the study of the techniques and methods used for secure communication and information processing, particularly using codes and ciphers
121. de\_\_\_t a scene *v.* to illustrate someone or something in a photograph

ANSWERS: 113. assassinate, 114. spin, 115. ignore, 116. selfie, 117. parallel, 118. sector, 119. climate, 120. cryptography, 121. depict

122. untold mi\_\_\_y *n.* a state of ill-being due to affliction or misfortune
123. ta\_\_\_e the issue *v.* to try to deal with a complex problem or situation
124. help ta\_\_\_e climate change *v.* to try to deal with a complex problem or situation
125. security c\_m *n.* a device or mechanism that converts rotary motion to linear motion or vice versa; a revolving cylinder with an irregular shape used in machinery to convert rotary motion into intermittent or reciprocating motion; an abbreviation for camera
126. bat\_\_\_\_\_ld casualties *n.* a place where a battle or conflict is fought
127. three months bef\_\_\_\_\_nd *adv.* ahead of time; in advance
128. a g\_\_m-free environment *n.* a very tiny living that causes the disease; a piece of something such as an organism, concept, etc., capable of growing into a new one or part of one
129. sp\_\_\_\_\_ng machine *n.* the act of rotating rapidly around an axis; in the context of textiles, the process of twisting fibers together to form thread or yarn
130. uns\_\_\_\_\_ful effort *adj.* failing to accomplish an intended result or having an unfavorable outcome; not successful
131. get a con\_\_\_\_\_nal loan *adj.* based on or following traditional rules, standards, customs, etc.

ANSWERS: 122. misery, 123. tackle, 124. tackle, 125. cam, 126. battlefield, 127. beforehand, 128. germ, 129. spinning, 130. unsuccessful, 131. conventional

132. ins\_\_\_\_\_ous reaction *adj.* occurring or happening immediately or without delay; taking place in an instant or moment
133. beyond the re\_\_m of possibility *n.* a domain of activity, interest, or knowledge
134. com\_\_\_\_\_ty theory *n.* the state or quality of being complicated or intricate and difficult to understand
135. common in\_\_\_\_\_on *n.* the creation of a new device or process resulting from study and experimentation; the act of inventing
136. de\_\_\_\_\_t data *v.* to convert encoded or scrambled information or messages into a form that is intelligible or understandable; to reveal information that is hidden or obscured, such as data that has been encrypted for security purposes
137. take a seat bef\_\_\_\_\_nd *adv.* ahead of time; in advance
138. ex\_\_\_c vacation *adj.* originating from or characteristic of a foreign country or culture; strikingly unusual, uncommon, or intriguing
139. mo\_\_\_n poetry *adj.* of or belonging to the present time or recent times
140. stuff of science fi\_\_\_\_\_n *n.* the type of book or story, especially novels, that describes imaginary events and people; anything made up or imagined that is not true
141. a private ind\_\_\_\_\_al *n.* a single person or thing, as distinct from a group
142. an int\_\_\_\_\_nce test *n.* the ability to learn, comprehend, or make judgments or conclusions based on reasons

ANSWERS: 132. instantaneous, 133. realm, 134. complexity, 135. invention, 136. decrypt, 137. beforehand, 138. exotic, 139. modern, 140. fiction, 141. individual, 142. intelligence



143. me\_\_\_\_\_cs equation *n.* the branch of physics that deals with the study of motion, forces, and energy; (mechanic) someone whose occupation is repairing and maintaining automobiles
144. tackle the problem ur\_\_\_\_\_ly *adv.* in a way that requires immediate action or attention, especially before anything else, because of being very important
145. live in mi\_\_\_\_y *n.* a state of ill-being due to affliction or misfortune
146. charged pa\_\_\_\_\_le *n.* a small piece of something; a word or piece of a term with grammatical function but little or no significance
147. global pa\_\_\_\_\_ic *n.* an outbreak of a disease that affects many people over a very wide area
148. mysterious en\_\_\_\_a *n.* a puzzling or mysterious person, place, or thing; something that is difficult or impossible to understand or explain; a riddle or mysterious puzzle that requires a solution
149. ba\_\_s for calculation *n.* the most important facts, ideas, or events from which something is developed; the way how things are organized or arranged
150. sl\_\_e a glance *v.* to move or cause to move smoothly along a surface without interruption
151. move cl\_\_\_\_\_se *adv.* in a circular direction that follows the course of a clock's hands or in a direction that is considered to be forward or positive

ANSWERS: 143. mechanics, 144. urgently, 145. misery, 146. particle, 147. pandemic, 148. enigma, 149. basis, 150. slide, 151. clockwise

152. basic br\_\_n function *n.* the organ inside the head that is responsible for one's movement, thought, memory, and feeling
153. early pi\_\_\_\_rs *n.* inventor; explorer; someone who is among the first to achieve something
154. in\_\_\_\_r division *n.* a whole number, either positive, negative, or zero, that is not a fraction or decimal
155. wa\_\_y plan for selling more books *adj.* funny in a slightly odd, peculiar, irregular way
156. b\_\_d curtain *n.* a small, usually round object made of glass, wood, or plastic that is used for decoration or as part of jewelry
157. an ab\_\_\_\_ct noun *adj.* based on general ideas, feelings, or qualities and not on any a physical or concrete existence
158. low-r\_v engine *n.* a measure of the rate at which an engine or motor rotates, often expressed in revolutions per minute (RPM); (verb) to increase the number of rotations per minute
159. wa\_\_y value *adj.* funny in a slightly odd, peculiar, irregular way
160. exp\_\_\_\_al growth *adj.* becoming more and more rapid; of or involving mathematical exponents
161. 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: 152. brain, 153. pioneer, 154. integer, 155. wacky, 156. bead, 157. abstract, 158. rev, 159. wacky, 160. exponential, 161. discovery

162. de\_\_\_\_er message *v.* to read or understand something that is written in code or in a difficult or obscure way
163. a bu\_\_h of schoolgirls *n.* a grouping of several similar things which are growing or fastened together
164. di\_\_t identifier *n.* one of the elements that collectively form a system of numeration; a finger, thumb, or toe
165. in\_\_\_\_te in supply *adj.* unlimited or very great; impossible to measure
166. sharp-pointed sp\_\_r *n.* a weapon with a long shaft and a sharp metal point used for battle, hunting, and fishing in the past
167. swirl cou\_\_\_\_\_ise *adv.* in a direction opposite to the rotation of a clock's hands or opposite to the usual direction of movement or flow
168. h\_\_t of trouble *n.* an indirect suggestion; a slight but appreciable amount of something
169. so te\_\_y tiny *adj.* extremely small; tiny
170. ig\_\_\_\_e her advice *v.* to intentionally not listen or pay attention to
171. un\_\_\_\_k value *v.* to open something, such as a door, window, etc., usually using a key
172. at your own p\_\_e *n.* the speed at which someone or something moves, or the rate at which something happens or changes
173. a meteorological sa\_\_\_\_te *n.* an electronic device that is sent up into space and moves around the Earth or another planet, used for gathering information or communicating by radio, television, etc.

ANSWERS: 162. decipher, 163. bunch, 164. digit, 165. infinite, 166. spear, 167. counterclockwise, 168. hint, 169. teeny, 170. ignore, 171. unlock, 172. pace, 173. satellite

174. at\_\_\_c nucleus *adj.* of or relating to atom (= the smallest component of an element)
175. a good grounding in mat\_\_\_\_\_cs *n.* the science dealing with the logic of quantities, shapes, spaces, and arrangement
176. a mi\_\_\_\_\_ry leader *adj.* relating to or characteristic of members of the armed forces; of or relating to war or warfare
177. br\_\_\_\_\_nt idea *adj.* extremely clever, skilled, or impressive
178. si\_\_\_\_\_te climate change *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
179. tre\_\_\_\_\_us popularity *adj.* very great in degree or extent or amount or impact; extremely good
180. historical phe\_\_\_\_\_on *n.* something that exists and can be perceptible, especially one that is not fully understood
181. h\_\_k through the jungle *v.* to hit and cut somebody or something roughly and violently; to find a bug in a computer program and break into their systems or networks
182. f\_\_k art *n.* people in general, especially those of a particular group or type
183. ur\_\_\_\_\_ly required *adv.* in a way that requires immediate action or attention, especially before anything else, because of being very important
184. de\_\_\_e a word *v.* to state or explain precisely the nature, scope, or meaning of something

ANSWERS: 174. atomic, 175. mathematics, 176. military, 177. brilliant, 178. simulate, 179. tremendous, 180. phenomenon, 181. hack, 182. folk, 183. urgently, 184. define

185. ind\_\_\_\_\_al freedom *n.* a single person or thing, as distinct from a group
186. co\_\_\_\_\_e an average score *v.* to make a mathematical calculation
187. wooden ab\_\_\_\_s beads *n.* a counting device consisting of a frame with rods or wires on which beads or stones are moved to perform arithmetic calculations
188. a sa\_\_y dress *adj.* behavior or language that is bold, cheeky, or irreverent; having a spicy or piquant flavor or aroma
189. en\_\_\_\_\_t message *v.* to convert information or data into a code, thereby making it unreadable without a key or password; to conceal or obscure information in a way that makes it inaccessible to unauthorized persons
190. sp\_\_\_\_\_ng wheel *n.* the act of rotating rapidly around an axis; in the context of textiles, the process of twisting fibers together to form thread or yarn
191. 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
192. cell and molecular bi\_\_\_\_\_y *n.* the scientific study of life and the natural processes of living things

ANSWERS: 185. individual, 186. compute, 187. abacus, 188. saucy, 189. encrypt, 190. spinning, 191. process, 192. biology

193. de\_\_\_t a feeling of isolation      *v.* to illustrate someone or something in a photograph
194. tr\_\_\_\_re hunt      *n.* a valuable or desirable possession; something that is cherished or held dear; a collection of valuable objects or money that is hidden or protected
195. ease of com\_\_\_\_\_on      *n.* the consideration or examination of the similarities between two or more people or things
196. cr\_\_\_\_al investigation      *n.* a person who has committed a crime
197. 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
198. en\_\_\_\_t data      *v.* to convert information or data into a code, thereby making it unreadable without a key or password; to conceal or obscure information in a way that makes it inaccessible to unauthorized persons
199. wi\_\_\_\_m literature      *n.* the quality of being wise, or the ability to use your knowledge and experience to make sensible decisions
200. beam of el\_\_\_\_\_ons      *n.* a tiny particle with the negative electrical charge
201. sl\_\_e a card across the table      *v.* to move or cause to move smoothly along a surface without interruption
202. c\_\_p a meet with a knife      *v.* to cut something into pieces with a sharp tool, such as a knife

ANSWERS: 193. depict, 194. treasure, 195. comparison, 196. criminal, 197. breakthrough, 198. encrypt, 199. wisdom, 200. electron, 201. slide, 202. chop

203. bring my la\_\_\_p *n.* a portable computer that is small enough to be carried around easily and used on your lap
204. a con\_\_\_\_\_nal style *adj.* based on or following traditional rules, standards, customs, etc.
205. am\_\_\_\_\_y the effect *v.* to enhance something, particularly sound or brightness
206. permanent br\_\_n damage *n.* the organ inside the head that is responsible for one's movement, thought, memory, and feeling
207. de\_\_\_\_\_t a file with a private key *v.* to convert encoded or scrambled information or messages into a form that is intelligible or understandable; to reveal information that is hidden or obscured, such as data that has been encrypted for security purposes
208. the di\_\_t in the hundreds place *n.* one of the elements that collectively form a system of numeration; a finger, thumb, or toe
209. ca\_\_\_l a free subscription trial *v.* to decide that a previously scheduled activity will not take place
210. a GPS sa\_\_\_\_\_te *n.* an electronic device that is sent up into space and moves around the Earth or another planet, used for gathering information or communicating by radio, television, etc.
211. toxic ch\_\_\_\_\_als *adj.* relating to or connected with chemistry;
212. di\_\_\_\_\_e control *n.* a disorder or illness that affects the body or mind, often characterized by specific symptoms or abnormal functioning of organs or systems

ANSWERS: 203. laptop, 204. conventional, 205. amplify, 206. brain, 207. decrypt, 208. digit, 209. cancel, 210. satellite, 211. chemical, 212. disease

213. a bu\_\_h of trees *n.* a grouping of several similar things which are growing or fastened together
214. sa\_\_y jokes *adj.* behavior or language that is bold, cheeky, or irreverent; having a spicy or piquant flavor or aroma
215. non-fi\_\_\_\_\_n bestseller *n.* the type of book or story, especially novels, that describes imaginary events and people; anything made up or imagined that is not true
216. unb\_\_\_\_\_le commitment *adj.* not able to be broken or damaged
217. tactics on the bat\_\_\_\_\_ld *n.* a place where a battle or conflict is fought
218. a we\_\_d dress *adj.* extraordinary, unexpected, or difficult to explain
219. the runner's p\_\_e *n.* the speed at which someone or something moves, or the rate at which something happens or changes
220. documentary pr\_\_f *n.* a fact or piece of information that shows something is true or exists
221. keep m\_m *n.* a British term for "mom" or "mother"; (adjective) failing to speak or communicate when expected to do so
222. new di\_\_\_\_\_on *n.* a measurable extent of a particular kind, such as width, height, or length
223. flow of el\_\_\_\_\_ons *n.* a tiny particle with the negative electrical charge
224. te\_\_y bit *adj.* extremely small; tiny
225. re\_\_\_\_\_nt our life *v.* to change something so drastically that it looks to be completely new

ANSWERS: 213. bunch, 214. saucy, 215. fiction, 216. unbreakable, 217. battlefield, 218. weird, 219. pace, 220. proof, 221. mum, 222. dimension, 223. electron, 224. teeny, 225. reinvent



226. 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
227. di\_\_\_\_\_e prevention
- n.* a disorder or illness that affects the body or mind, often characterized by specific symptoms or abnormal functioning of organs or systems
228. still on\_\_\_\_\_g
- adj.* continuing to exist or develop, or currently happening
229. pr\_\_\_\_n conductivity
- n.* a very small particle with a positive charge equal to the negative charge of an electron that forms part of the nucleus of all atoms
230. digital cry\_\_\_\_\_phy
- n.* the study of the techniques and methods used for secure communication and information processing, particularly using codes and ciphers
231. the story is bi\_\_\_\_\_e
- adj.* very strange or unusual
232. an in\_\_\_\_\_ct translation
- adj.* not in accordance with fact or truth or not accurate
233. 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

ANSWERS: 226. process, 227. disease, 228. ongoing, 229. proton, 230. cryptography, 231. bizarre, 232. incorrect, 233. extract

234. pr\_\_\_\_\_le in business *n.* a fundamental law or truth that explains or controls how something happens or works
235. sc\_\_\_\_\_le my mind *v.* to move or climb quickly and awkwardly, often using your hands to help you
236. sup\_\_\_\_\_ion theorem *n.* a principle in physics that describes the combination or overlaying of two or more waves or states of matter; (of geology) the process by which layers of rock or sediment are deposited on top of one another over time
237. gov\_\_\_\_\_nt funding *n.* the group of people with authority to control a country or state
238. 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
239. fun\_\_\_\_\_al rights *adj.* forming an essential base or core from which everything else develops or is affected
240. ob\_\_\_\_\_e wildlife *v.* to watch or notice something carefully, often to gather information or insights; to take note of something or someone; to celebrate or commemorate a special event or occasion
241. us\_\_\_\_\_s in the kitchen *adj.* not serving any useful purpose; having no practical result
242. mu\_\_\_\_\_ly 5 and 6 *v.* to add a number to itself a specified number of times; to increase or cause to increase very much in number or quantity

ANSWERS: 234. principle, 235. scramble, 236. superposition, 237. government, 238. screw, 239. fundamental, 240. observe, 241. useless, 242. multiply

243. medical l\_b *n.* a workplace for the conduct of scientific research; a laboratory
244. at\_\_\_c bomb *adj.* of or relating to atom (= the smallest component of an element)
245. ins\_\_\_\_\_ous message *adj.* occurring or happening immediately or without delay; taking place in an instant or moment
246. co\_\_\_\_\_e chemically with another substance *v.* to join or merge to form a single thing or group
247. less fo\_\_\_\_\_te person *adj.* having good luck or lucky
248. a ge\_\_\_\_\_ic proof *adj.* relating to or having the characteristics of geometry (= the shape, properties, and relations of points, lines, surfaces, solids)
249. a ch\_\_\_\_\_al compound *adj.* relating to or connected with chemistry;
250. ex\_\_\_e the crowd *v.* to make someone feel suddenly enthusiastic or eager
251. tr\_\_\_\_\_it information *v.* to send or forward an electronic signal; to pass something from one person or thing to another
252. in\_\_\_\_\_ce a child's future *n.* the ability to affect someone's or something's character, growth, or behavior, or the effect itself
253. in\_\_\_\_\_te appetite *adj.* unlimited or very great; impossible to measure
254. act as a pi\_\_\_\_\_r *n.* inventor; explorer; someone who is among the first to achieve something

ANSWERS: 243. lab, 244. atomic, 245. instantaneous, 246. combine, 247. fortunate, 248. geometric, 249. chemical, 250. excite, 251. transmit, 252. influence, 253. infinite, 254. pioneer

255. tr\_\_\_\_\_re island *n.* a valuable or desirable possession; something that is cherished or held dear; a collection of valuable objects or money that is hidden or protected
256. re\_\_\_\_\_ve factors *adj.* considered and evaluated through comparison with something else
257. ec\_\_\_\_\_y of scale *n.* the system by which a country or region produces manages, and distributes goods and services, including the money and finances involved in these activities; (of an airline) the lowest-priced, most basic option for seating in commercial travel
258. cal\_\_\_\_\_or app *n.* a small electronic device for making arithmetic calculations
259. tec\_\_\_\_\_cal advancement *adj.* based on scientific and industrial progress
260. de\_\_\_d against a threat *v.* to protect someone or something from attack, criticism, danger, etc.
261. bankrupt cr\_\_\_\_\_or *n.* a person, company, etc. to whom a debtor owes money
262. 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
263. dis\_\_\_\_\_ed by a conversation *adj.* having one's attention diverted or divided; being unable to concentrate because of being preoccupied or worried

ANSWERS: 255. treasure, 256. relative, 257. economy, 258. calculator, 259. technological, 260. defend, 261. creditor, 262. breakthrough, 263. distracted

264. me\_\_\_\_\_cs of the game *n.* the branch of physics that deals with the study of motion, forces, and energy; (mechanic) someone whose occupation is repairing and maintaining automobiles
265. ant\_\_\_\_\_ion of her arrival *n.* the action of expecting that something might happen in the future and perhaps doing something about it now
266. ha\_\_\_\_\_s a horse to a carriage *v.* to control and exploit the power of something, especially natural resources that produce energy; (noun) a set of narrow pieces of leather and metal that are used to control or hold in place a person, animal, or object
267. she is ma\_\_c *n.* beliefs and actions employed to influence supernatural beings and forces; any art or performance that invokes supernatural powers
268. sim\_\_\_\_\_sly affected *adv.* at the same time
269. even more unf\_\_\_\_\_ely *adv.* by bad luck; unluckily
270. save the pl\_\_\_\_t *n.* any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star
271. ex\_\_\_\_\_ge rate *v.* to give something and receive something else in return, often with the implication that the items being traded are of equal or comparable value; (noun) the act of giving or taking something in return for something else; a place or system where goods or services can be bought, sold, or traded

ANSWERS: 264. mechanics, 265. anticipation, 266. harness, 267. magic, 268. simultaneously, 269. unfortunately, 270. planet, 271. exchange

272. 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
273. us\_\_\_\_s information *adj.* not serving any useful purpose; having no practical result
274. criminal on death r\_w *n.* an arrangement of objects or people side by side in a line
275. de\_\_\_y safety measures *v.* to move troops or weapons into a position or military action; to bring into something in an effective way
276. h\_\_k into the program *v.* to hit and cut somebody or something roughly and violently; to find a bug in a computer program and break into their systems or networks
277. cor\_\_\_\_\_nd with a foreign student *v.* to match or be similar to something else almost exactly; to exchange messages
278. at inc\_\_\_\_\_le speed *adj.* unbelievable; enormous
279. co\_\_y confidence *adj.* overly confident or arrogant; having an excessive belief in one's abilities or importance
280. co\_\_y behavior *adj.* overly confident or arrogant; having an excessive belief in one's abilities or importance
281. bo\_\_\_e back from failure *v.* to cause to move up or away after hitting a surface; to spring back
282. ob\_\_\_\_\_e a tradition *v.* to watch or notice something carefully, often to gather information or insights; to take note of something or someone; to celebrate or commemorate a special event or occasion

ANSWERS: 272. extract, 273. useless, 274. row, 275. deploy, 276. hack, 277. correspond, 278. incredible, 279. cocky, 280. cocky, 281. bounce, 282. observe

283. sup\_\_\_\_\_an beings *adj.* possessing abilities or characteristics that exceed those of normal humans; beyond human capacity or capability
284. financially in\_\_\_\_\_ed *adj.* owing money or having financial obligations to another person or organization; feeling grateful or obligated to someone for their help, support, or kindness
285. r\_\_l down his cheeks *v.* to move in a particular direction by turning over and over or from side to side
286. a ma\_\_c spell *n.* beliefs and actions employed to influence supernatural beings and forces; any art or performance that invokes supernatural powers
287. c\_\_p wood *v.* to cut something into pieces with a sharp tool, such as a knife
288. helpful h\_\_ts *n.* an indirect suggestion; a slight but appreciable amount of something
289. ec\_\_\_\_\_y class *n.* the system by which a country or region produces manages, and distributes goods and services, including the money and finances involved in these activities; (of an airline) the lowest-priced, most basic option for seating in commercial travel
290. 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: 283. superhuman, 284. indebted, 285. roll, 286. magic, 287. chop, 288. hint, 289. economy, 290. nuke

291. cr__y about cars and racing	<i>adj.</i> stupid or not sensible; very angry
292. evolutionary bi____y	<i>n.</i> the scientific study of life and the natural processes of living things
293. a heat sh____d	<i>n.</i> a protective covering or structure, especially in the past, that soldiers held in front of their bodies to protect themselves
294. public re__m	<i>n.</i> a domain of activity, interest, or knowledge
295. laws of qu____m mechanics	<i>n.</i> the smallest amount or unit of something, especially (electromagnetic) energy
296. com____on of foods on a caloric basis	<i>n.</i> the consideration or examination of the similarities between two or more people or things
297. a cr__y scheme	<i>adj.</i> stupid or not sensible; very angry
298. bi____e behavior	<i>adj.</i> very strange or unusual
299. the cr____or's claims	<i>n.</i> a person, company, etc. to whom a debtor owes money
300. tr____er a file	<i>v.</i> to move, pass, or change from one person, place, or situation to another
301. ret____ve changes	<i>adj.</i> taking effect from a date in the past rather than the present; applying to a prior period or event
302. tre____us amount	<i>adj.</i> very great in degree or extent or amount or impact; extremely good
303. wanted cr____al	<i>n.</i> a person who has committed a crime

ANSWERS: 291. crazy, 292. biology, 293. shield, 294. realm, 295. quantum, 296. comparison, 297. crazy, 298. bizarre, 299. creditor, 300. transfer, 301. retroactive, 302. tremendous, 303. criminal



304. sleep pro\_\_\_\_\_ly *adv.* to a great or complete degree; deeply
305. re\_\_\_\_\_ce the military *v.* to strengthen or support something, especially by adding another material to it; to make emotion, idea, etc. stronger
306. make an in\_\_\_\_\_ct report *adj.* not in accordance with fact or truth or not accurate
307. on\_\_\_\_\_g support *adj.* continuing to exist or develop, or currently happening
308. r\_v up the crowd *n.* a measure of the rate at which an engine or motor rotates, often expressed in revolutions per minute (RPM); (verb) to increase the number of rotations per minute
309. gr\_\_h theory *n.* a picture consisting of a line, lines, points, etc., that shows how two or more sets of certain quantities are related to each other
310. pro\_\_\_\_\_ly insightful *adv.* to a great or complete degree; deeply
311. de\_\_\_y troops for battle *v.* to move troops or weapons into a position or military action; to bring into something in an effective way
312. genic com\_\_\_\_\_ons *n.* a collection of things that have been combined; an assemblage of separate parts or qualities
313. theoretical ph\_\_\_\_\_st *n.* a scientist who specializes in the field of physics
314. fall into a r\_\_e *n.* a strong feeling of anger or violence
315. com\_\_\_\_\_te his anxieties to the psychiatrist *v.* to share or exchange information with others by speaking, writing, moving your body, or using other signals

ANSWERS: 304. profoundly, 305. reinforce, 306. incorrect, 307. ongoing, 308. rev, 309. graph, 310. profoundly, 311. deploy, 312. combination, 313. physicist, 314. rage, 315. communicate

316. meet with opp\_\_\_\_\_on *n.* the act of disagreeing or resisting; the state of strong disagreement
317. cor\_\_\_\_\_nd to a standard *v.* to match or be similar to something else almost exactly; to exchange messages
318. com\_\_\_\_\_on number *n.* a collection of things that have been combined; an assemblage of separate parts or qualities
319. the state of being we\_\_d *adj.* extraordinary, unexpected, or difficult to explain
320. ab\_\_\_\_\_ct science *adj.* based on general ideas, feelings, or qualities and not on any a physical or concrete existence
321. re\_\_\_\_\_ce good behavior *v.* to strengthen or support something, especially by adding another material to it; to make emotion, idea, etc. stronger
322. natural phe\_\_\_\_\_on *n.* something that exists and can be perceptible, especially one that is not fully understood
323. pr\_\_\_\_\_le of treatment *n.* a fundamental law or truth that explains or controls how something happens or works
324. 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
325. 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: 316. opposition, 317. correspond, 318. combination, 319. weird, 320. abstract, 321. reinforce, 322. phenomenon, 323. principle, 324. discovery, 325. launch

326. com\_\_\_\_\_te well with my advisor      *v.* to share or exchange information with others by speaking, writing, moving your body, or using other signals
327. private se\_\_\_\_r      *n.* a distinct part or division of something often used to refer to a segment of an economy or industry; an area or field of work or activity
328. tr\_\_\_\_\_er power      *v.* to move, pass, or change from one person, place, or situation to another
329. increase in the minimum w\_\_e      *n.* a particular amount of money that somebody earns, usually every week or every month, for work or services
330. tec\_\_\_\_\_cal policy      *adj.* based on scientific and industrial progress
331. flu pa\_\_\_\_ic      *n.* an outbreak of a disease that affects many people over a very wide area
332. gov\_\_\_\_\_nt bureaucracy      *n.* the group of people with authority to control a country or state
333. s\_\_n thread out of cotton      *v.* to cause something to rotate rapidly; to cause someone to feel dizzy or disoriented
334. hazard ant\_\_\_\_\_ion      *n.* the action of expecting that something might happen in the future and perhaps doing something about it now
335. plot to ass\_\_\_\_\_te      *v.* to kill someone, usually a prominent or important figure, through a surprise attack or deliberate act of violence
336. a mi\_\_\_\_\_ry operation      *adj.* relating to or characteristic of members of the armed forces; of or relating to war or warfare

ANSWERS: 326. communicate, 327. sector, 328. transfer, 329. wage, 330. technological, 331. pandemic, 332. government, 333. spin, 334. anticipation, 335. assassinate, 336. military

337. c\_m lever *n.* a device or mechanism that converts rotary motion to linear motion or vice versa; a revolving cylinder with an irregular shape used in machinery to convert rotary motion into intermittent or reciprocating motion; an abbreviation for camera
338. im\_\_\_\_e a process *v.* to make or become better
339. l\_b instrument *n.* a workplace for the conduct of scientific research; a laboratory
340. 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.
341. the crosswise di\_\_\_\_\_on *n.* a measurable extent of a particular kind, such as width, height, or length
342. h\_\_t production *v.* to bring or come to a stop; to force to stop moving or operating
343. con\_\_\_\_\_te a marriage *v.* to think about a possible future action or to think about something for a long time thoughtfully
344. quantum qu\_\_t *n.* a unit of information used in quantum computing, equivalent to a single binary digit (or "bit") of classical computing, which can exist in multiple possible states simultaneously, offering greater information processing potential than classical bits
345. over sub\_\_\_\_\_nt months *adj.* happening or occurring later or after something else

ANSWERS: 337. cam, 338. improve, 339. lab, 340. rely, 341. dimension, 342. halt, 343. contemplate, 344. qubit, 345. subsequent

346. ex\_\_\_\_ge a few friendly words      *v.* to give something and receive something else in return, often with the implication that the items being traded are of equal or comparable value; (noun) the act of giving or taking something in return for something else; a place or system where goods or services can be bought, sold, or traded
347. a r\_w of cherry trees      *n.* an arrangement of objects or people side by side in a line
348. a reckless at\_\_\_\_t      *n.* an act or effort of trying to do something, especially something difficult
349. enforce rev\_\_\_\_ary justice      *adj.* relating to or characterized by a complete or dramatic change
350. 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
351. strictly con\_\_\_\_ial data      *adj.* intended to be kept secret
352. a re\_\_\_\_nt of a lung transplant      *n.* a person who receives something
353. mo\_\_\_\_le behavior      *n.* a group of two or more atoms held together by attractive forces known as chemical bonds
354. a remote re\_\_\_\_ve      *adj.* considered and evaluated through comparison with something else
355. 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

ANSWERS: 346. exchange, 347. row, 348. attempt, 349. revolutionary, 350. simulate, 351. confidential, 352. recipient, 353. molecule, 354. relative, 355. digital

356. sup\_\_\_\_\_ter technology

*n.* a computer with a high level of computing power and speed, typically used for scientific or engineering computations that require immense amounts of data processing

ANSWERS: 356. supercomputer

## Session 3: Fill in the Blanks

1. The child was learning how to use an \_\_\_\_\_ in her math class.
  - n.* a counting device consisting of a frame with rods or wires on which beads or stones are moved to perform arithmetic calculations
  
2. Ancient people made \_\_\_\_\_ with wood entirely.
  - n.* a weapon with a long shaft and a sharp metal point used for battle, hunting, and fishing in the past
  
3. \_\_\_\_\_ is better than argument.
  - n.* a fact or piece of information that shows something is true or exists
  
4. The athlete's \_\_\_\_\_ strength allowed him to lift twice his body weight.
  - adj.* possessing abilities or characteristics that exceed those of normal humans; beyond human capacity or capability
  
5. 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
  
6. International law allows each nation to \_\_\_\_\_ itself when its rights and interests are illegally violated.
  - v.* to protect someone or something from attack, criticism, danger, etc.
  
7. He walked a road \_\_\_\_\_ to the railroad.
  - adj.* being everywhere equidistant and not intersecting; of or relating to the simultaneous performance of multiple operations

ANSWERS: 1. abacus, 2. spears, 3. Proof, 4. superhuman, 5. extracting, 6. defend, 7. parallel

8. Initially, we must \_\_\_\_\_ all project-related expenses.
- v.* to study or consider a person or object attentively and thoroughly to learn something about them
9. I recently \_\_\_\_\_ dropping out of school and getting a full-time job.
- v.* to think about a possible future action or to think about something for a long time thoughtfully
10. Lead is an effective \_\_\_\_\_ against X-rays, gamma rays, and other harmful radiation.
- n.* a protective covering or structure, especially in the past, that soldiers held in front of their bodies to protect themselves
11. It is important to \_\_\_\_\_ safety procedures in the workplace to prevent accidents.
- v.* to watch or notice something carefully, often to gather information or insights; to take note of something or someone; to celebrate or commemorate a special event or occasion
12. China has developed one of the world's fastest \_\_\_\_\_ for its space program.
- n.* a computer with a high level of computing power and speed, typically used for scientific or engineering computations that require immense amounts of data processing
13. The government is determined to \_\_\_\_\_ sharp inflation.
- v.* to try to deal with a complex problem or situation
14. The battle had an \_\_\_\_\_ impact on the nation.
- adj.* unlimited or very great; impossible to measure

ANSWERS: 8. examine, 9. contemplated, 10. shield, 11. observe, 12. supercomputers, 13. tackle, 14. infinite



15. 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
16. The pirates searched for buried \_\_\_\_\_ in the dunes.
- n.* a valuable or desirable possession; something that is cherished or held dear; a collection of valuable objects or money that is hidden or protected
17. The software engineers developed a new \_\_\_\_\_ algorithm to protect users' data.
- n.* the study of the techniques and methods used for secure communication and information processing, particularly using codes and ciphers
18. I was so \_\_\_\_\_ by my phone that I nearly walked into a lamppost.
- adj.* having one's attention diverted or divided; being unable to concentrate because of being preoccupied or worried
19. The \_\_\_\_\_ of waves can result in either constructive or destructive interference.
- n.* a principle in physics that describes the combination or overlaying of two or more waves or states of matter; (of geology) the process by which layers of rock or sediment are deposited on top of one another over time
20. 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
21. Human behavior has \_\_\_\_\_ characteristics.
- adj.* forming an essential base or core from which everything else develops or is affected

ANSWERS: 15. breakthroughs, 16. treasure, 17. cryptography, 18. distracted, 19. superposition, 20. individual, 21. fundamental

22. 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
23. Some seaweed was used as \_\_\_\_\_ medicine in ancient times.  
*n.* people in general, especially those of a particular group or type
24. The sum of two \_\_\_\_\_ can be either a positive integer, a negative integer, or zero.  
*n.* a whole number, either positive, negative, or zero, that is not a fraction or decimal
25. He felt \_\_\_\_\_ to his parents for all the sacrifices they had made for him.  
*adj.* owing money or having financial obligations to another person or organization; feeling grateful or obligated to someone for their help, support, or kindness
26. She was filled with a burning \_\_\_\_\_ at the injustice she had witnessed.  
*n.* a strong feeling of anger or violence
27. My \_\_\_\_\_ always knew how to comfort me when I was feeling down.  
*n.* a British term for "mom" or "mother"; (adjective) failing to speak or communicate when expected to do so
28. The doctor diagnosed him with a rare \_\_\_\_\_ that had no known cure.  
*n.* a disorder or illness that affects the body or mind, often characterized by specific symptoms or abnormal functioning of organs or systems
29. She took a \_\_\_\_\_ in front of the famous tower and shared it on the app.  
*n.* a photograph that one has taken of oneself, typically one taken with a smartphone or webcam to share on social media

ANSWERS: 22. intelligence, 23. folk, 24. integers, 25. indebted, 26. rage, 27. mum, 28. disease, 29. selfie

30. He was pretty \_\_\_\_\_ to pass the exam.

*adj.* having good luck or lucky

31. His \_\_\_\_\_ continued to rise as his skills improved.

*n.* a particular amount of money that somebody earns, usually every week or every month, for work or services

32. Mercury is the closest \_\_\_\_\_ to the sun.

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

33. This bar \_\_\_\_\_ shows sales over the past five years.

*n.* a picture consisting of a line, lines, points, etc., that shows how two or more sets of certain quantities are related to each other

34. The new prime minister has vowed to take measures against the \_\_\_\_\_ economic crisis.

*adj.* continuing to exist or develop, or currently happening

35. We need to turn the knob \_\_\_\_\_ to lock the door.

*adv.* in a circular direction that follows the course of a clock's hands or in a direction that is considered to be forward or positive

36. The \_\_\_\_\_ pay increase was a nice surprise for the employees.

*adj.* taking effect from a date in the past rather than the present; applying to a prior period or event

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

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

ANSWERS: 30. fortunate, 31. wages, 32. planet, 33. graph, 34. ongoing, 35. clockwise, 36. retroactive, 37. germ

38. When customers \_\_\_\_\_ their reservations, they lose the deposit they made.  
*v.* to decide that a previously scheduled activity will not take place
39. 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
40. Our company suffered \_\_\_\_\_ from incurring a heavy loss.  
*n.* a state of ill-being due to affliction or misfortune
41. The \_\_\_\_\_ to the safe was a secret.  
*n.* a collection of things that have been combined; an assemblage of separate parts or qualities
42. He performed \_\_\_\_\_ tricks with sophisticated moves.  
*n.* beliefs and actions employed to influence supernatural beings and forces; any art or performance that invokes supernatural powers
43. She is very \_\_\_\_\_ in her thoughts.  
*adj.* based on or following traditional rules, standards, customs, etc.
44. We want to \_\_\_\_\_ ties between our two countries.  
*v.* to make or become better
45. Parents often \_\_\_\_\_ their characteristics to their children.  
*v.* to send or forward an electronic signal; to pass something from one person or thing to another

ANSWERS: 38. cancel, 39. simulate, 40. misery, 41. combination, 42. magic, 43. conventional, 44. improve, 45. transmit

46. His son had accurately \_\_\_\_\_ the bloom.

*v.* to illustrate someone or something in a photograph

47. The mechanic adjusted the \_\_\_\_ mechanism to improve the engine's performance.

*n.* a device or mechanism that converts rotary motion to linear motion or vice versa; a revolving cylinder with an irregular shape used in machinery to convert rotary motion into intermittent or reciprocating motion; an abbreviation for camera

48. The former emperor had a particular \_\_\_\_\_ even after he abdicated.

*n.* the ability to affect someone's or something's character, growth, or behavior, or the effect itself

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

*adj.* stupid or not sensible; very angry

50. The government's attempts to infiltrate the terrorist group were largely \_\_\_\_\_.

*adj.* failing to accomplish an intended result or having an unfavorable outcome; not successful

51. 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

52. The third \_\_\_\_\_ was far more successful.

*n.* an act or effort of trying to do something, especially something difficult

53. I need to send this email \_\_\_\_\_.

*adv.* in a way that requires immediate action or attention, especially before anything else, because of being very important

ANSWERS: 46. depicted, 47. cam, 48. influence, 49. crazy, 50. unsuccessful, 51. biology, 52. attempt, 53. urgently

54. The ring was so \_\_\_\_\_ that it almost looked like a toy.

*adj.* extremely small; tiny

55. She waited in eager \_\_\_\_\_ for his arrival.

*n.* the action of expecting that something might happen in the future and perhaps doing something about it now

56. The news of her promotion \_\_\_\_\_ her.

*v.* to make someone feel suddenly enthusiastic or eager

57. My computer has been acting \_\_\_\_\_ recently.

*adj.* extraordinary, unexpected, or difficult to explain

58. He studied \_\_\_\_\_ in college and now works as an engineer.

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

59. His \_\_\_\_\_ attitude often got him in trouble with his coworkers.

*adj.* overly confident or arrogant; having an excessive belief in one's abilities or importance

60. He found my English sentences are \_\_\_\_\_.

*adj.* not in accordance with fact or truth or not accurate

61. The police are searching for the \_\_\_\_\_ who stole the jewels.

*n.* a person who has committed a crime

62. The general reviewed the plans for the upcoming battle on the \_\_\_\_\_.

*n.* a place where a battle or conflict is fought

ANSWERS: 54. teeny, 55. anticipation, 56. excited, 57. weird, 58. mechanics, 59. cocky, 60. incorrect, 61. criminal, 62. battlefield

63. \_\_\_\_\_ and weather have an impact on every part of our lifestyles.  
*n.* the weather in a particular location averaged over some long period
64. The carousel rotates \_\_\_\_\_ at a slow pace.  
*adv.* in a direction opposite to the rotation of a clock's hands or opposite to the usual direction of movement or flow
65. We can calculate the position of the \_\_\_\_\_ statistically.  
*n.* a small piece of something; a word or piece of a term with grammatical function but little or no significance
66. He was the leader of the demonstrators and spoke out against the war in the front \_\_\_\_\_.  
*n.* an arrangement of objects or people side by side in a line
67. The cook \_\_\_\_\_ the vegetables for the soup.  
*v.* to cut something into pieces with a sharp tool, such as a knife
68. The customs officer required the traveler to \_\_\_\_\_ his suitcase.  
*v.* to open something, such as a door, window, etc., usually using a key
69. She took a \_\_\_\_\_ class at the gym to improve her cardiovascular fitness.  
*n.* the act of rotating rapidly around an axis; in the context of textiles, the process of twisting fibers together to form thread or yarn
70. You might need to \_\_\_\_\_ this point.  
*v.* to enhance something, particularly sound or brightness
71. I need to finish this report by tonight, so I'll be working on my \_\_\_\_\_ all day.  
*n.* a portable computer that is small enough to be carried around easily and used on your lap

ANSWERS: 63. Climate, 64. counterclockwise, 65. particles, 66. row, 67. chopped, 68. unlock, 69. spinning, 70. amplify, 71. laptop

72. The truth was more \_\_\_\_\_ than expected.

*adj.* very strange or unusual

73. I tried to \_\_\_\_\_ the efficiency of the investment.

*v.* to make a mathematical calculation

74. The shape of the DNA \_\_\_\_\_ is a double helix.

*n.* a group of two or more atoms held together by attractive forces known as chemical bonds

75. He has a flair for \_\_\_\_\_.

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

76. The novel affected her \_\_\_\_\_ causing her to question her beliefs and values.

*adv.* to a great or complete degree; deeply

77. I need to \_\_\_\_\_ this important message before it falls into the wrong hands.

*v.* to convert encoded or scrambled information or messages into a form that is intelligible or understandable; to reveal information that is hidden or obscured, such as data that has been encrypted for security purposes

78. The ancient text remains an \_\_\_\_\_ challenging scholars to unravel its meaning.

*n.* a puzzling or mysterious person, place, or thing; something that is difficult or impossible to understand or explain; a riddle or mysterious puzzle that requires a solution

79. This titanium bike frame is advertised as \_\_\_\_\_.

*adj.* not able to be broken or damaged

ANSWERS: 72. bizarre, 73. compute, 74. molecule, 75. mathematics, 76. profoundly, 77. decrypt, 78. enigma, 79. unbreakable



80. The train came to a \_\_\_\_\_ at the station.

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

81. X-rays revealed a small tumor in his \_\_\_\_\_.

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

82. People have been exploring ways to \_\_\_\_\_ natural forces and resources since ancient times.

- v.* to control and exploit the power of something, especially natural resources that produce energy; (noun) a set of narrow pieces of leather and metal that are used to control or hold in place a person, animal, or object

83. He was exhausted and \_\_\_\_\_ into bed as soon as he got home.

- v.* to move in a particular direction by turning over and over or from side to side

84. Carbon has an \_\_\_\_\_ mass of 12.

- adj.* of or relating to atom (= the smallest component of an element)

85. Technology development for controlling \_\_\_\_\_ is a major research goal in quantum computing.

- n.* a unit of information used in quantum computing, equivalent to a single binary digit (or "bit") of classical computing, which can exist in multiple possible states simultaneously, offering greater information processing potential than classical bits

86. They fear a \_\_\_\_\_ of a new type of virus.

- n.* an outbreak of a disease that affects many people over a very wide area

87. Local business owners \_\_\_\_\_ to find skilled workers.

- v.* to move or climb quickly and awkwardly, often using your hands to help you

ANSWERS: 80. halt, 81. brain, 82. harness, 83. rolled, 84. atomic, 85. qubits, 86. pandemic, 87. scrambled

88. The new software provides \_\_\_\_\_ results, making it much more efficient than the previous version.

*adj.* occurring or happening immediately or without delay; taking place in an instant or moment

89. Hydrogen and oxygen \_\_\_\_\_ to form water.

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

90. The more \_\_\_\_\_ you are, the more people around you look at you with envy and jealousy.

*adj.* extremely clever, skilled, or impressive

91. Truth is stranger than \_\_\_\_\_.

*n.* the type of book or story, especially novels, that describes imaginary events and people; anything made up or imagined that is not true

92. She threaded the \_\_\_\_\_ onto the string to make a necklace.

*n.* a small, usually round object made of glass, wood, or plastic that is used for decoration or as part of jewelry

93. To protect their sensitive information, many businesses \_\_\_\_\_ their files.

*v.* to convert information or data into a code, thereby making it unreadable without a key or password; to conceal or obscure information in a way that makes it inaccessible to unauthorized persons

94. When performing an organ transplant, it is necessary to test for compatibility between the donor and \_\_\_\_\_.

*n.* a person who receives something

95. In the \_\_\_\_\_ meeting, the team discussed ways to improve productivity.

*adj.* happening or occurring later or after something else

ANSWERS: 88. instantaneous, 89. combine, 90. brilliant, 91. fiction, 92. beads, 93. encrypt, 94. recipient, 95. subsequent

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

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

97. Their headquarters are in a \_\_\_\_\_ skyscraper.

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

98. My sister and I frequently \_\_\_\_\_ books, as we love reading.

*v.* to give something and receive something else in return, often with the implication that the items being traded are of equal or comparable value; (noun) the act of giving or taking something in return for something else; a place or system where goods or services can be bought, sold, or traded

99. Her passions are in the \_\_\_\_\_ of real-world political affairs.

*n.* a domain of activity, interest, or knowledge

100. The \_\_\_\_\_ party strongly disagreed with the government's proposed legislation.

*n.* the act of disagreeing or resisting; the state of strong disagreement

101. Most countries prohibit sexual activity between certain close \_\_\_\_\_.

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

102. She packed her sunscreen \_\_\_\_\_ to remember it on the beach trip.

*adv.* ahead of time; in advance

103. 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

ANSWERS: 96. comparison, 97. modern, 98. exchange, 99. realm, 100. opposition, 101. relatives, 102. beforehand, 103. digital

104. This measure will \_\_\_\_\_ people against terrorism.

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

105. Since the 1990s, the Internet has continued to experience \_\_\_\_\_ growth.

*adj.* becoming more and more rapid; of or involving mathematical exponents

106. He got an electric \_\_\_\_\_ at work.

*n.* a strong feeling or physical reaction to a sudden and unexpected event or experience, especially something unpleasant

107. Internet traffic volumes have increased significantly with the advent of \_\_\_\_\_.

*n.* a mobile phone that functions as a computer and connects to the Internet

108. We had a \_\_\_\_\_ time yesterday.

*adj.* very great in degree or extent or amount or impact; extremely good

109. They will \_\_\_\_\_ between various emotional states.

*v.* to cause to move up or away after hitting a surface; to spring back

110. The numbers on the sign \_\_\_\_\_ to points on the map.

*v.* to match or be similar to something else almost exactly; to exchange messages

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

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

112. The solar wind is composed almost entirely of electrons and \_\_\_\_\_.

*n.* a very small particle with a positive charge equal to the negative charge of an electron that forms part of the nucleus of all atoms

ANSWERS: 104. safeguard, 105. exponential, 106. shock, 107. smartphones, 108. tremendous, 109. bounce, 110. correspond, 111. basis, 112. protons

113. If necessary, you can \_\_\_\_\_ the front seats forward.

*v.* to move or cause to move smoothly along a surface without interruption

114. The teacher is very \_\_\_\_\_ to children's feelings.

*adj.* able to notice slight changes, signals, or influences; able to feel or perceive other's feelings; susceptible to the things people say or do

115. 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

116. The \_\_\_\_\_ documents were only available to authorized personnel.

*adj.* intended to be kept secret

117. The community greatly respected and sought after the older adult's \_\_\_\_\_.

*n.* the quality of being wise, or the ability to use your knowledge and experience to make sensible decisions

118. He stepped on the gas pedal, and the engine released a loud \_\_\_\_\_.

*n.* a measure of the rate at which an engine or motor rotates, often expressed in revolutions per minute (RPM); (verb) to increase the number of rotations per minute

119. The economy is growing at a supercharged \_\_\_\_\_.

*n.* the speed at which someone or something moves, or the rate at which something happens or changes

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

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

ANSWERS: 113. slide, 114. sensitive, 115. nuke, 116. confidential, 117. wisdom, 118. rev, 119. pace, 120. complicated

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

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

122. The project's \_\_\_\_\_ made it difficult for the team to complete it on time.

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

123. This blog offers a variety of tips for \_\_\_\_\_ everyday life.

- v.* to hit and cut somebody or something roughly and violently; to find a bug in a computer program and break into their systems or networks

124. The \_\_\_\_\_ shapes and patterns in the artwork are visually stunning.

- adj.* relating to or having the characteristics of geometry (= the shape, properties, and relations of points, lines, surfaces, solids)

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

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

126. The federal \_\_\_\_\_ is planning to increase taxes for the next fiscal year.

- n.* the group of people with authority to control a country or state

127. His friend was a pretty wild and \_\_\_\_\_ character.

- adj.* funny in a slightly odd, peculiar, irregular way

128. 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

129. One bad apple spoils the whole \_\_\_\_\_.

- n.* a grouping of several similar things which are growing or fastened together

ANSWERS: 121. Multiply, 122. complexity, 123. hacking, 124. geometric, 125. physics, 126. government, 127. wacky, 128. screw, 129. bunch

130. This country \_\_\_\_\_ its weapons in the east region.

- v.* to move troops or weapons into a position or military action; to bring into something in an effective way

131. The political \_\_\_\_\_ provided analysis and commentary on the latest election results.

- n.* an expert, authority, or knowledgeable commentator who frequently expresses opinions or gives analysis on a particular subject or issue

132. The treatments were done but, \_\_\_\_\_ were unsuccessful.

- adv.* by bad luck; unluckily

133. A rainbow is a natural \_\_\_\_\_.

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

134. Two students answered the teacher's question \_\_\_\_\_.

- adv.* at the same time

135. The old, rusty tools were now \_\_\_\_\_ and had to be thrown away.

- adj.* not serving any useful purpose; having no practical result

136. The dictator's regime was known to \_\_\_\_\_ political opponents who opposed his views.

- v.* to kill someone, usually a prominent or important figure, through a surprise attack or deliberate act of violence

137. I asked the lawyer to initiate \_\_\_\_\_ negotiations for voluntary liquidation.

- n.* a person, company, etc. to whom a debtor owes money

ANSWERS: 130. deployed, 131. pundit, 132. unfortunately, 133. phenomenon, 134. simultaneously, 135. useless, 136. assassinate, 137. creditor

138. 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.

139. 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

140. Her response revealed \_\_\_\_\_ idiocy.

- adj.* unbelievable; enormous

141. The \_\_\_\_\_ leader inspired others to join the fight for freedom and democracy.

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

142. He spent hours trying to \_\_\_\_\_ the ancient text.

- v.* to read or understand something that is written in code or in a difficult or obscure way

143. I left my alpha \_\_\_\_\_ at home, so I had to borrow one from a classmate to finish my math homework.

- n.* a small electronic device for making arithmetic calculations

144. We should \_\_\_\_\_ the troops at the front line.

- v.* to strengthen or support something, especially by adding another material to it; to make emotion, idea, etc. stronger

145. The firm has grown into a large \_\_\_\_\_ manufacturing.

- adj.* relating to or connected with chemistry;

ANSWERS: 138. rely, 139. process, 140. incredible, 141. revolutionary, 142. decipher, 143. calculator, 144. reinforce, 145. chemical



146. The \_\_\_\_\_ is about 13.8 billion years old.

- n.* everything that exists, especially all physical matter, including planets, stars, galaxies, and all other forms of matter and energy

147. I always look forward to reading his stories since they're so \_\_\_\_\_.

- adj.* showing inventiveness and ability or skill

148. Big techs are now eager to develop \_\_\_\_\_ computers.

- n.* the smallest amount or unit of something, especially (electromagnetic) energy

149. The technology \_\_\_\_\_ is constantly evolving and innovating.

- n.* a distinct part or division of something often used to refer to a segment of an economy or industry; an area or field of work or activity

150. The invention of the camera triggered the development of \_\_\_\_\_ painting.

- adj.* based on general ideas, feelings, or qualities and not on any a physical or concrete existence

151. We do move forward with those tasks in \_\_\_\_\_ next week.

- n.* a series of related events, actions, numbers, etc., which have a particular order

152. There was no \_\_\_\_\_ of a problem.

- n.* an indirect suggestion; a slight but appreciable amount of something

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

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

154. The designer's \_\_\_\_\_ was to create a minimalist aesthetic for the interior of the building.

- n.* a strong determination or attention to do or achieve something; (adjective) having a strong determination to do or achieve something

ANSWERS: 146. universe, 147. ingenious, 148. quantum, 149. sector, 150. abstract, 151. sequence, 152. hint, 153. electron, 154. intent

155. They carefully executed the well-planned \_\_\_\_\_ they had prepared over the years.

*n.* an organized and often large-scale plan or arrangement for doing something

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

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

157. The tornado is \_\_\_\_\_ across the countryside, destroying everything in its path.

*v.* to cause something to rotate rapidly; to cause someone to feel dizzy or disoriented

158. We must enter a six-\_\_\_\_\_ number to unlock the safe.

*n.* one of the elements that collectively form a system of numeration; a finger, thumb, or toe

159. Launching an artificial \_\_\_\_\_ contributed to the technological development of our country.

*n.* an electronic device that is sent up into space and moves around the Earth or another planet, used for gathering information or communicating by radio, television, etc.

160. 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

161. The \_\_\_\_\_ of the country is struggling due to the recent political instability.

*n.* the system by which a country or region produces, manages, and distributes goods and services, including the money and finances involved in these activities; (of an airline) the lowest-priced, most basic option for seating in commercial travel

ANSWERS: 155. scheme, 156. invention, 157. spinning, 158. digit, 159. satellite, 160. launch, 161. economy

162. Since independence, the area has been completely \_\_\_\_\_.
- v.* to intentionally not listen or pay attention to
163. John Whitney was a computer animation \_\_\_\_\_.
- n.* inventor; explorer; someone who is among the first to achieve something
164. They have tried to \_\_\_\_\_ their grocery stores.
- v.* to change something so drastically that it looks to be completely new
165. Einstein was an outstanding and famous \_\_\_\_\_ of the 20th century.
- n.* a scientist who specializes in the field of physics
166. The \_\_\_\_\_ remark made by the comedian caused a stir in the audience.
- adj.* behavior or language that is bold, cheeky, or irreverent; having a spicy or piquant flavor or aroma
167. The \_\_\_\_\_ academy was known for its strict discipline and training.
- adj.* relating to or characteristic of members of the armed forces; of or relating to war or warfare
168. Efficiency isn't an essential \_\_\_\_\_ here; fairness is.
- n.* a fundamental law or truth that explains or controls how something happens or works
169. The researcher separated the nervous \_\_\_\_\_ for microscopic examinations.
- n.* an ensemble of similar cells of the animal or plant that together carry out a specific function
170. She \_\_\_\_\_ the money from her savings account to her checking account.
- v.* to move, pass, or change from one person, place, or situation to another

ANSWERS: 162. ignored, 163. pioneer, 164. reinvent, 165. physicist, 166. saucy, 167. military, 168. principle, 169. tissue, 170. transferred

171. I love trying \_\_\_\_\_ foods from different cultures.

*adj.* originating from or characteristic of a foreign country or culture; strikingly unusual, uncommon, or intriguing

172. \_\_\_\_\_ advances have disrupted many industries.

*adj.* based on scientific and industrial progress

173. We have no intention of \_\_\_\_\_ his idea.

*adj.* competing, fighting, or working against each other

174. Dolphins use sound to \_\_\_\_\_ with each other.

*v.* to share or exchange information with others by speaking, writing, moving your body, or using other signals

175. 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

176. To advance this discussion, we must \_\_\_\_\_ "success" rigorously.

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

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

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

178. The Prime Minister will pay a courtesy visit to the Nobel laureate's \_\_\_\_\_.

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

ANSWERS: 171. exotic, 172. Technological, 173. opposing, 174. communicate, 175. discovery, 176. define, 177. dimensions, 178. lab