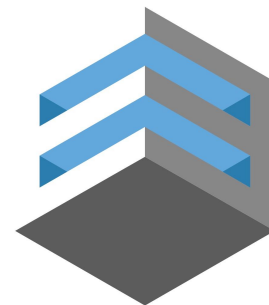


# Englist.me



## Vocabulary Builder Reference from...

*Matt Porter and Margaret Hamilton: NASA's first software engineer: Margaret Hamilton | TED Talk*  
[https://www.ted.com/talks/matt\\_porter\\_and\\_margaret\\_hamilton\\_nasa\\_s\\_first\\_software\\_engineer\\_margaret\\_hamilton](https://www.ted.com/talks/matt_porter_and_margaret_hamilton_nasa_s_first_software_engineer_margaret_hamilton)

### All Words

#### IMPORTANT

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## Session 1: Word List

### roughly

*adv.* approximately but not precisely; with a violent manner

*synonym*: approximately, more or less, around

(1) **roughly** explain my idea, (2) **roughly** speaking

Five miles is **roughly** similar to eight kilometers.

### humankind

*n.* the whole of the living human inhabitants of the earth

*synonym*: humanity, human race, society

(1) **humankind** as a species, (2) history of **humankind**

On the geological time scale, **humankind** has existed for a brief moment.

### astronaut

*n.* a person trained by a space agency to travel outside the Earth's atmosphere

*synonym*: spaceman, cosmonaut

(1) **astronaut** mission, (2) **astronaut** in training

The shuttle **astronaut** trained for months before embarking on the space mission.

### descent

*n.* the act or process of moving downward; a person's family origins

*synonym*: fall, drop, family

(1) **descent** from nobility, (2) **descent** of family

The **descent** from the mountain was steep and rocky.

## emergency

*n.* a sudden unforeseen crisis usually involving danger that requires immediate action

*synonym*: crisis, trouble, difficulty

(1) **emergency** action, (2) acute **emergency**

The president declared a state of **emergency**.

## alarm

*n.* a loud noise or an automatic signal that warns people of danger; a device that signals the occurrence of some undesirable event or particular danger

*synonym*: notice, warning, panic

(1) give the **alarm**, (2) an **alarm** clock

The **alarm** announcing an enemy attack went off this morning.

## overload

*v.* to put too much a load in or on something

*synonym*: overfill, excess, weigh down

(1) **overload** the circulatory system, (2) **overload** a muscle

Be careful not to **overload** the laundry machine.

## threaten

*v.* to utter intentions of injury or punishment against someone

*synonym*: endanger, terrorize, intimidate

(1) **threaten** a healthy relationship, (2) **threaten** national security

Various artificially induced causes are **threatening** our ecosystem.

## abort

*v.* to terminate or cancel something before it is complete or fully developed; to cause the end of a pregnancy before the fetus is viable or can survive outside the womb

*synonym*: cancel, terminate, halt

(1) **abort** a mission, (2) **abort** a takeoff

The company had to **abort** the plan because of financial

constraints.

## breath

*n.* the air that is taken into and expelled from your lungs; the process of taking into and expelling air from your lungs

*synonym*: air, puff, whiff

(1) hold your **breath**, (2) **breath** of wind

He bated his **breath** when talking about this affair.

## develop

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

*synonym*: evolve, progress, advance

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

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

## pioneering

*adj.* involving new ideas or methods; being the first of their kind; leading the way in a particular field

*synonym*: innovative, groundbreaking, trailblazing

(1) **pioneering** research, (2) **pioneering** spirit

The **pioneering** scientist developed a breakthrough technology that revolutionized the industry.

## inflight

*adj.* happening or available during an aircraft flight

(1) **inflight** collision, (2) **inflight** meal

This aircraft offers free **inflight** Internet service.

## software

*n.* a set of computer programs and associated documentation and data for doing particular computational jobs

*synonym*: program, system, operating system

(1) **software** architect, (2) copyrighted **software**

The company specializes in both hardware and **software**.

## **inquisitive**

*adj.* curious and interested in learning or finding out about things; questioning or prying into matters that are not one's concern; curious or nosy

*synonym*: curious, inquiring, nosy

(1) **inquisitive** mind, (2) **inquisitive** researcher

The **inquisitive** child asked endless questions about the world around her.

## **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**.

## **philosophy**

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

*synonym*: doctrine, attitude, creed

(1) **philosophy** of education, (2) western **philosophy**

Ethics is a branch of **philosophy**.

## **institute**

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

*synonym*: academy, university, college

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

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

## **grad**

*n.* (informal for graduate) a student who has recently graduated or is about to graduate from a school, college, or university

*synonym*: graduate, alumnus, alumni

(1) high school **grad**, (2) **grad** student

He was proud to be a **grad** of the prestigious university.

## encounter

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

*synonym*: meet, run into, come across

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

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

## chaos

- n.* a state of complete confusion or disorder, often characterized by a lack of predictability or control

*synonym*: disorder, turmoil, confusion

- (1) **chaos** theory, (2) midst of **chaos**

The conference room was in **chaos** as everyone tried to speak at once.

## laboratory

- n.* a workplace for doing scientific research or teaching science; a lab

*synonym*: lab, workshop, testing room

- (1) **laboratory** accident, (2) anthropology **laboratory**

Animal protection groups call for an end to animal testing in a **laboratory**.

## 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.

## aircraft

- n.* any vehicle that can fly and carry things or passengers, such as a plane or helicopter

*synonym*: airplane, plane, airliner

- (1) an **aircraft** landing, (2) **aircraft** control system

The marine **aircraft** manufacturer demonstrated their newest hydroplane.

## renowned

*adj.* famous and respected for great achievements, qualities, etc.

*synonym*: noted, prominent, acclaimed

(1) a **renowned** artist, (2) **renowned** as a novelist

This area is **renowned** for its hot springs.

## engineer

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

*synonym*: architect, creator, builder

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

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

## immediately

*adv.* now or without delay

*synonym*: directly, instantly, promptly

(1) **immediately** recall a product, (2) write him an answer **immediately**

A suspension order from the court is effective **immediately**.

## 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**.

## compact

*adj.* closely and firmly united or packed together, using very little space; smaller than is usual

*synonym*: packed, tight, consolidated

(1) a **compact** camera, (2) extremely **compact** device

Two countries acted together as if by **compact**.

## 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.

<b>flee</b>	<p><i>v.</i> to leave by running away, especially out of fear or danger</p> <p><i>synonym</i>: exit, escape, run away</p> <p>(1) <b>flee</b> their homes, (2) <b>flee</b> abroad</p> <p>It is a basic instinct to <b>flee</b> from a dangerous situation.</p>
<b>guidance</b>	<p><i>n.</i> advice or instructions given to help direct someone's behavior or decision-making</p> <p><i>synonym</i>: advice, direction, support</p> <p>(1) vocational <b>guidance</b>, (2) <b>guidance</b> counselor</p> <p>The mentor provided <b>guidance</b> to the young entrepreneur, helping her navigate the business world.</p>
<b>device</b>	<p><i>n.</i> a piece of equipment, tool, or technology that serves a particular purpose or function, often mechanical or electronic</p> <p><i>synonym</i>: gadget, instrument, tool</p> <p>(1) electronic <b>device</b>, (2) tracking <b>device</b></p> <p>I always carry a backup <b>device</b> in case my phone runs out of battery.</p>
<b>responsible</b>	<p><i>adj.</i> answerable or accountable for something within one's power, control, or management</p> <p><i>synonym</i>: accountable, answerable, liable</p> <p>(1) <b>responsible</b> action, (2) <b>responsible</b> for a customer service</p> <p>She's a <b>responsible</b> pet owner who ensures her dog gets enough exercise and a healthy diet.</p>
<b>navigate</b>	<p><i>v.</i> to plan and direct the way that a ship, plane, etc. will travel, often by using a map</p> <p><i>synonym</i>: guide, helm, voyage</p> <p>(1) <b>navigate</b> the Pacific, (2) <b>navigate</b> through a document</p> <p>Our knowledge helps <b>navigate</b> our clients successfully.</p>
<b>spacecraft</b>	<p><i>n.</i> a vehicle designed to travel through space, typically carrying astronauts or scientific instruments</p>

*synonym* : spaceship, satellite, probe

(1) **spacecraft** launch, (2) alien **spacecraft**

The human-crewed **spacecraft** successfully landed on the moon, fulfilling its mission.

## unreliable

*adj.* not able to be trusted or depended on

*synonym* : inconsistent, erratic, undependable

(1) prove **unreliable**, (2) **unreliable** source of information

By incorrect assumption, statistics can be notoriously **unreliable**.

## cubic

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

*synonym* : three-dimensional, boxlike, cubical

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

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

## divide

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

*synonym* : separate, disconnect, split

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

Can you **divide** 123321 by eleven?

## 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**.

## hardware

*n.* durable tools, machinery, and other equipment; the physical and electronic parts of a computer or other electronic systems

*synonym* : gear, apparatus, gadget



(1) the **hardware** department, (2) a vast inventory of **hardware**

The mouse and keyboard are essential **hardware** for operating a PC.

## onboard

*v.* to become or make part of a team, group, or system; to install, activate, or begin using a piece of equipment or software; (adjective) included or integrated into a particular system, machine, or device

*synonym*: embark, aboard, on-load

(1) **onboard** the new employees, (2) **onboard** computer

The passengers were instructed to **onboard** the aircraft as quickly as possible so that the flight could depart on time.

## command

*n.* authority, control, or mastery over something, often referring to military or leadership contexts; a directive, order, or instruction; expertise or confidence in a specific area; (verb) to give an authoritative order or instruction, or to be in charge or control of something

*synonym*: control, authority, leadership

(1) **command** and control, (2) **command** a battery

The general gave a **command** to his troops to prepare for battle.

## lunar

*adj.* of or pertaining to the moon

*synonym*: moony

(1) **lunar** crater, (2) **lunar** surface

Ancient people felt mystified by the patterns on the **lunar** surface.

## incredibly

*adv.* in a way that is very difficult to believe; exceedingly or extremely

*synonym*: enormously, exceptionally, extraordinarily

(1) **incredibly** cheerful character, (2) get **incredibly** insecure

Several cities are experiencing **incredibly** high unemployment rates.

## stake

*n.* a share or financial investment in something such as a business; a wooden or metal post set up to mark something

*synonym*: share, interest, post

(1) execution by burning at a **stake**, (2) buy the company's **stake**

The **stake** of the company is too high nowadays.

## detect

*v.* to find or recognize something, especially something difficult to see, hear, etc.

*synonym*: catch, observe, notice

(1) **detect** a bad event, (2) **detect** smuggling across borders

The security camera has **detected** four intruders.

## unexpected

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

*synonym*: surprising, unanticipated, incredible

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

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

## recover

*v.* to return to a former condition, health, mind, or strength

*synonym*: come back, convalesce, heal

(1) **recover** a loss, (2) **recover** approval ratings

She is still **recovering** from a shot to her shoulder.

## adaptable

*adj.* able or willing to modify or be modified to deal with new situations

*synonym*: flexible, adjustable, elastic

(1) **adaptable** enough for the environment, (2) an **adaptable** person

We seek a candidate who possesses **adaptable** fighting potential.

## 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.

## **predetermine**

*v.* to decide or determine in advance; to establish or influence beforehand

*synonym*: determine in advance, predestine, decide beforehand

(1) **predetermine** effectiveness, (2) **predetermine** result

I can't **predetermine** the game's outcome, and anything can happen.

## **asynchronous**

*adj.* not happening at the same time or speed

*synonym*: non-synchronous, out of sync, not simultaneous

(1) **asynchronous** communication, (2) in **asynchronous** mode

The online course was designed for **asynchronous** learning, allowing students to complete assignments at their own pace.

## **interrupt**

*v.* to say or do something that causes someone to stop in their speech or action

*synonym*: disturb, hinder, break in

(1) **interrupt** a call, (2) abruptly **interrupt**

Her sleep was **interrupted** by recurring pain.

## **assign**

*v.* to give a specific job or piece of work to a someone

*synonym*: entrust, delegate, designate

(1) **assign** projects, (2) **assign** top priority

Please **assign** a different color to each other kind of item.

## **priority**

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

*synonym*: importance, precedence, primacy

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

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

## regardless

*adv.* not paying attention or considering something or someone even if the situation is bad or there are difficulties

*synonym*: anyhow, nevertheless, still

(1) **regardless** of the difficulties, (2) **regardless** tread  
People can pick out superior products **regardless** of the quality of the advertising.

## 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.

## environment

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

*synonym*: atmosphere, surroundings, climate

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

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

## regularly

*adv.* at regular intervals or times

*synonym*: repeatedly, routinely, usually

(1) **regularly** arranged, (2) post **regularly** to a blog

This site **regularly** shares high-quality academic materials.

## schedule

*n.* a list of planned activities, tasks, or things that must be completed showing when they are intended to happen or be done

*synonym*: agenda, program, itinerary

(1) a heavy **schedule**, (2) arrange my **schedule**

So far, the meeting is going according to **schedule**.

## warn

- v. to make someone aware of potential danger or difficulty, particularly one that may occur in the future

*synonym*: alert, caution, admonish

(1) **warn** a reckless driver, (2) **warned** me of the plan  
I attempted to **warn** him, but he ignored me.

## 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.

## determinant

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

*synonym*: cause, factor, element

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

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

## pilot

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

*synonym*: aviator, flyer, chief

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

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

## trigger

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

*synonym*: activate, spark, drive

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

The incident **triggered** a political controversy.

## **buzz**

*v.* to make a continuous, low humming sound such as the one bee makes; an exciting and active atmosphere

*synonym*: hum, murmur, whisper

(1) the **buzz** of a cicada, (2) **buzz** marketing

I heard the **buzz** of conversation from the next room.

## **inadvertently**

*adv.* unintentionally; accidentally; without purpose or deliberate intent

*synonym*: unknowingly, unintentionally, accidentally

(1) **inadvertently** deleted, (2) **inadvertently** omitted

I **inadvertently** left my phone at home this morning and felt lost.

## **flip**

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

*synonym*: throw, jump

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

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

## **rendezvous**

*n.* a meeting or appointment that has been arranged beforehand; a gathering of people in a pre-arranged location

*synonym*: meeting, appointment, encounter

(1) romantic **rendezvous**, (2) business **rendezvous**

Our **rendezvous** point was the coffee shop on the corner.

## **radar**

*n.* a technology that employs radio waves to locate items that cannot be seen

*synonym*: sonar, radiolocation

(1) **radar** air traffic control, (2) **radar** scanning

**Radar** systems cannot spot the submarine.

## **essential**

*adj.* indispensable; fundamental

*synonym*: critical, crucial, basic

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

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

## vital

*adj.* necessary for the success or continued existence of something

*synonym*: critical, crucial, invigorating

(1) play a **vital** role, (2) **vital** for a healthy society

Perseverance and optimism are **vital** to success.

## computation

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

*synonym*: calculation, estimation, arithmetic

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

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

## 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.

## equip

*v.* to provide a person or a place with the things that are needed for a particular purpose or activity

*synonym*: prepare, furnish, provide

(1) **equip** an army, (2) **equip** our children with some special skills

The construction company **equipped** the building with an earthquake-resistant device.

## restart

*v.* to start something again, especially after a pause or interruption

*synonym*: continue, resume, begin anew

(1) **restart** a game, (2) **restart** a nuclear reactor

She tried to **restart** the conversation after the awkward silence.

## spare

*adj.* additional to what is necessary for ordinary use; (verb) to give time, money, space, etc. to someone

*synonym*: extra, excess, (verb) afford

(1) **spare** parts, (2) **spare** cost

I made plans to spend my **spare** time beneficially.

## integrate

*v.* to combine one thing with another so that they form a whole or work together; to accept equal participation for members of all races and ethnic groups

*synonym*: mix, merge, combine

(1) **integrate** into the existing system, (2) **integrate** both businesses

He found that it is difficult to **integrate** socially.

## contribution

*n.* the act of giving something, especially money, to a particular cause or organization; a voluntary gift as of money or service or ideas made to some worthwhile cause

*synonym*: donation, gift, offering

(1) make a positive **contribution**, (2) **contribution** to society

His **contribution** to the charity was a generous donation of money.

## inspire

*v.* to make somebody fill with the desire, confidence, or enthusiasm, especially to do something creative

*synonym*: boost, encourage, enlighten

(1) **inspire** a feeling of curiosity, (2) **inspire** him to write a novel

The unique style of this martial arts **inspired** many action film producers.

## president

*n.* the leader of a republic, for example, the US; the person in charge of the organization such as a company, university, club, etc.

*synonym*: leader, CEO, chairperson

(1) **president** emeritus, (2) vice- **president** for finance



The club **president** does not have absolute power.

## **lifesaving**

*n.* the act or process of rescuing someone else's life, especially from drowning

(1) **lifesaving** efforts, (2) **lifesaving** device

The patient needs a **lifesaving** transplant operation.

## **bug**

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

*synonym*: insect, bacterium, microbe

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

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

## **crew**

*n.* a group of people who work together, especially on a ship or airplane

*synonym*: team, group, squad

(1) the film **crew**, (2) the **crew** of a fishing boat

The ship's **crew** worked hard to repair the damaged sails before the next storm hit.

## **universal**

*adj.* existing or affecting everywhere or everyone

*synonym*: common, broad, worldwide

(1) **universal** life, (2) principles of **universal** design

The picture earned near- **universal** acclaim from critics.

## **honor**

*n.* high regard or great respect for someone; the quality of having and doing based on a keen sense of morality;  
(verb) to show respect towards someone

*synonym*: integrity, virtue, acclaim

(1) womanly **honor**, (2) **honor** our ancestors

I claim on my **honor** that it is true.

## **achievement**

*n.* a thing that someone has accomplished, primarily through their effort and ability

*synonym*: accomplishment, attainment, triumph

(1) student **achievement**, (2) a remarkable **achievement**

This **achievement** has never been formally accepted.

## award

*n.* a prize or other mark of recognition given in honor of an achievement

*synonym*: prize, honor, accolade

(1) **award** ceremony, (2) participation **award**

He won the **award** for best actor at the film festival.

## 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.

## medal

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

*synonym*: award, decoration, badge

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

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

## Session 2: Spelling

- |                                   |  |
|-----------------------------------|--|
| 1. a good grounding in mat_____cs | <i>n.</i> the science dealing with the logic of quantities, shapes, spaces, and arrangement  |
| 2. pio_____ng spirit              | <i>adj.</i> involving new ideas or methods; being the first of their kind; leading the way in a particular field                     |
| 3. env_____nt affairs             | <i>n.</i> the natural world such as air, water, and land in which humans, animals, and plants live                                   |
| 4. b_g bites                      | <i>n.</i> any tiny insect; a fault or defect in a computer program, system, or machine   |
| 5. tracking de___e                | <i>n.</i> a piece of equipment, tool, or technology that serves a particular purpose or function, often mechanical or electronic     |
| 6. f__e their homes               | <i>v.</i> to leave by running away, especially out of fear or danger   |
| 7. ina_____tly deleted            | <i>adv.</i> unintentionally; accidentally; without purpose or deliberate intent  |
| 8. business ren_____us            | <i>n.</i> a meeting or appointment that has been arranged beforehand; a gathering of people in a pre-arranged location               |
| 9. high school g__d               | <i>n.</i> (informal for graduate) a student who has recently graduated or is about to graduate from a school, college, or university |

ANSWERS: 1. mathematics, 2. pioneering, 3. environment, 4. bug, 5. device, 6. flee, 7. inadvertently, 8. rendezvous, 9. grad

- |  |  |
|--|--|
| 10. w__n a reckless driver                       | <i>v.</i> to make someone aware of potential danger or difficulty, particularly one that may occur in the future         |
| 11. com_____te his anxieties to the psychiatrist | <i>v.</i> to share or exchange information with others by speaking, writing, moving your body, or using other signals    |
| 12. participation aw__d                          | <i>n.</i> a prize or other mark of recognition given in honor of an achievement  |
| 13. in_____pt a call                             | <i>v.</i> to say or do something that causes someone to stop in their speech or action                                   |
| 14. vi__l for a healthy society                  | <i>adj.</i> necessary for the success or continued existence of something  |
| 15. re_____t a game                              | <i>v.</i> to start something again, especially after a pause or interruption   |
| 16. re_____r a loss                              | <i>v.</i> to return to a former condition, health, mind, or strength   |
| 17. ind_____al freedom                           | <i>n.</i> a single person or thing, as distinct from a group   |
| 18. phi_____hy of education                      | <i>n.</i> the study of general and fundamental questions, such as those about existence, reason, knowledge, values, mind |
| 19. number of b_g fixes                          | <i>n.</i> any tiny insect; a fault or defect in a computer program, system, or machine                                   |
| 20. ro_____y speaking                            | <i>adv.</i> approximately but not precisely; with a violent manner   |
| 21. an une_____ed visitor                        | <i>adj.</i> not anticipated or regarded as likely to happen  |

ANSWERS: 10. warn, 11. communicate, 12. award, 13. interrupt, 14. vital, 15. restart, 16. recover, 17. individual, 18. philosophy, 19. bug, 20. roughly, 21. unexpected

22. reg_____ss tread	<i>adv.</i> not paying attention or considering something or someone even if the situation is bad or there are difficulties
23. a co_____t camera	<i>adj.</i> closely and firmly united or packed together, using very little space; smaller than is usual
24. lif_____ng device	<i>n.</i> the act or process of rescuing someone else's life, especially from drowning
25. a heavy sc_____le	<i>n.</i> a list of planned activities, tasks, or things that must be completed showing when they are intended to happen or be done
26. lif_____ng efforts	<i>n.</i> the act or process of rescuing someone else's life, especially from drowning
27. lu__r crater	<i>adj.</i> of or pertaining to the moon
28. a prize me__l	<i>n.</i> a flat, usually circular piece of metal or other material that is often given as an award or commemoration for an achievement, victory, or honor
29. a remarkable ach_____nt	<i>n.</i> a thing that someone has accomplished, primarily through their effort and ability
30. eq__p an army	<i>v.</i> to provide a person or a place with the things that are needed for a particular purpose or activity
31. pio_____ng research	<i>adj.</i> involving new ideas or methods; being the first of their kind; leading the way in a particular field
32. cu__c meter	<i>adj.</i> having the shape of a cube or being of three dimensions; measured in units that are the third power of a linear unit

ANSWERS: 22. regardless, 23. compact, 24. lifesaving, 25. schedule, 26. lifesaving, 27. lunar, 28. medal, 29. achievement, 30. equip, 31. pioneering, 32. cubic

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|--------------------------------|--|
| 33. de____p a strategy         | <i>v.</i> to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created |
| 34. br____h of wind            | <i>n.</i> the air that is taken into and expelled from your lungs; the process of taking into and expelling air from your lungs  |
| 35. a re____ed artist          | <i>adj.</i> famous and respected for great achievements, qualities, etc.   |
| 36. make a positive con____ion | <i>n.</i> the act of giving something, especially money, to a particular cause or organization; a voluntary gift as of money or service or ideas made to some worthwhile cause   |
| 37. alien spa____ft            | <i>n.</i> a vehicle designed to travel through space, typically carrying astronauts or scientific instruments  |
| 38. the b__z of a cicada       | <i>v.</i> to make a continuous, low humming sound such as the one bee makes; an exciting and active atmosphere   |
| 39. in____ht collision         | <i>adj.</i> happening or available during an aircraft flight   |
| 40. ai____ft control system    | <i>n.</i> any vehicle that can fly and carry things or passengers, such as a plane or helicopter   |
| 41. acute em____cy             | <i>n.</i> a sudden unforeseen crisis usually involving danger that requires immediate action   |

ANSWERS: 33. develop, 34. breath, 35. renowned, 36. contribution, 37. spacecraft, 38. buzz, 39. inflight, 40. aircraft, 41. emergency

42. play a vi__l role	<i>adj.</i> necessary for the success or continued existence of something
43. the ha____re department	<i>n.</i> durable tools, machinery, and other equipment; the physical and electronic parts of a computer or other electronic systems
44. midst of ch__s	<i>n.</i> a state of complete confusion or disorder, often characterized by a lack of predictability or control
45. co____d a battery	<i>n.</i> authority, control, or mastery over something, often referring to military or leadership contexts; a directive, order, or instruction; expertise or confidence in a specific area; (verb) to give an authoritative order or instruction, or to be in charge or control of something
46. medical l_b	<i>n.</i> a workplace for the conduct of scientific research; a laboratory
47. in____ht meal	<i>adj.</i> happening or available during an aircraft flight
48. fo____te situation	<i>adj.</i> having good luck or lucky
49. aw__d ceremony	<i>n.</i> a prize or other mark of recognition given in honor of an achievement
50. pr____s improvement	<i>n.</i> a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products

ANSWERS: 42. vital, 43. hardware, 44. chaos, 45. command, 46. lab, 47. inflight, 48. fortunate, 49. award, 50. process

51. di___e money equally	<i>v.</i> to separate or cause to separate into parts or groups
52. res_____le action	<i>adj.</i> answerable or accountable for something within one's power, control, or management
53. di___e the cake into two pieces	<i>v.</i> to separate or cause to separate into parts or groups
54. hu_____nd as a species	<i>n.</i> the whole of the living human inhabitants of the earth
55. write him an answer imm_____ly	<i>adv.</i> now or without delay
56. re_____ly arranged	<i>adv.</i> at regular intervals or times
57. the c__w of a fishing boat	<i>n.</i> a group of people who work together, especially on a ship or airplane
58. ina_____tly omitted	<i>adv.</i> unintentionally; accidentally; without purpose or deliberate intent
59. lab_____ry accident	<i>n.</i> a workplace for doing scientific research or teaching science; a lab
60. in asy_____ous mode	<i>adj.</i> not happening at the same time or speed
61. a test pi__t	<i>n.</i> a person who flies an aircraft, especially as a job; a person qualified to guide ships through a difficult area of water
62. reg_____ss of the difficulties	<i>adv.</i> not paying attention or considering something or someone even if the situation is bad or there are difficulties
63. a di_____l watch	<i>adj.</i> 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: 51. divide, 52. responsible, 53. divide, 54. humankind, 55. immediately, 56. regularly, 57. crew, 58. inadvertently, 59. laboratory, 60. asynchronous, 61. pilot, 62. regardless, 63. digital



64. unr_____le source of information	<i>adj.</i> not able to be trusted or depended on
65. in_____e him to write a novel	<i>v.</i> to make somebody fill with the desire, confidence, or enthusiasm, especially to do something creative
66. ov_____ad a muscle	<i>v.</i> to put too much a load in or on something
67. some une_____ed events	<i>adj.</i> not anticipated or regarded as likely to happen
68. sp__e cost	<i>adj.</i> additional to what is necessary for ordinary use; (verb) to give time, money, space, etc. to someone
69. vocational gu_____ce	<i>n.</i> advice or instructions given to help direct someone's behavior or decision-making
70. common in_____on	<i>n.</i> the creation of a new device or process resulting from study and experimentation; the act of inventing
71. lu__r surface	<i>adj.</i> of or pertaining to the moon
72. co_____d and control	<i>n.</i> authority, control, or mastery over something, often referring to military or leadership contexts; a directive, order, or instruction; expertise or confidence in a specific area; (verb) to give an authoritative order or instruction, or to be in charge or control of something
73. an al__m clock	<i>n.</i> a loud noise or an automatic signal that warns people of danger; a device that signals the occurrence of some undesirable event or particular danger

ANSWERS: 64. unreliable, 65. inspire, 66. overload, 67. unexpected, 68. spare, 69. guidance, 70. invention, 71. lunar, 72. command, 73. alarm

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| 74. electronic de___e               | <i>n.</i> a piece of equipment, tool, or technology that serves a particular purpose or function, often mechanical or electronic  |
| 75. en_____er a crisis              | <i>v.</i> to face something, particularly something unpleasant or difficult, while attempting to do something else; to meet, especially unexpectedly                            |
| 76. tr_____r a biochemical response | <i>v.</i> to make something happen suddenly; to cause something such as a device, machine, etc. to function   |
| 77. de___t a bad event              | <i>v.</i> to find or recognize something, especially something difficult to see, hear, etc.   |
| 78. w__ned me of the plan           | <i>v.</i> to make someone aware of potential danger or difficulty, particularly one that may occur in the future  |
| 79. ro_____y explain my idea        | <i>adv.</i> approximately but not precisely; with a violent manner  |
| 80. gu_____ce counselor             | <i>n.</i> advice or instructions given to help direct someone's behavior or decision-making   |
| 81. hold your br___h                | <i>n.</i> the air that is taken into and expelled from your lungs; the process of taking into and expelling air from your lungs   |
| 82. f__e abroad                     | <i>v.</i> to leave by running away, especially out of fear or danger  |
| 83. ab__t a mission                 | <i>v.</i> to terminate or cancel something before it is complete or fully developed; to cause the end of a pregnancy before the fetus is viable or can survive outside the womb |

ANSWERS: 74. device, 75. encounter, 76. trigger, 77. detect, 78. warn, 79. roughly, 80. guidance, 81. breath, 82. flee, 83. abort

84. the in_____on of new techniques	<i>n.</i> the creation of a new device or process resulting from study and experimentation; the act of inventing
85. environmental det_____nt	<i>n.</i> a factor, circumstance, or condition that contributes to the shaping, influencing, or determining of a particular outcome or result
86. de_____t from nobility	<i>n.</i> the act or process of moving downward; a person's family origins
87. in_____e a feeling of curiosity	<i>v.</i> to make somebody fill with the desire, confidence, or enthusiasm, especially to do something creative
88. un_____al life	<i>adj.</i> existing or affecting everywhere or everyone
89. imm_____ly recall a product	<i>adv.</i> now or without delay
90. get inc_____ly insecure	<i>adv.</i> in a way that is very difficult to believe; exceedingly or extremely
91. l_b instrument	<i>n.</i> a workplace for the conduct of scientific research; a laboratory
92. copyrighted so_____re	<i>n.</i> a set of computer programs and associated documentation and data for doing particular computational jobs
93. a det_____nt of crop yields	<i>n.</i> a factor, circumstance, or condition that contributes to the shaping, influencing, or determining of a particular outcome or result
94. execution by burning at a st___e	<i>n.</i> a share or financial investment in something such as a business; a wooden or metal post set up to mark something

ANSWERS: 84. invention, 85. determinant, 86. descent, 87. inspire, 88. universal, 89. immediately, 90. incredibly, 91. lab, 92. software, 93. determinant, 94. stake

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|-----------------------------------|--|
| 95. em_____cy action              | <i>n.</i> a sudden unforeseen crisis usually involving danger that requires immediate action   |
| 96. buy the company's st__e       | <i>n.</i> a share or financial investment in something such as a business; a wooden or metal post set up to mark something   |
| 97. de_____p a skill              | <i>v.</i> to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created |
| 98. a vast inventory of ha_____re | <i>n.</i> durable tools, machinery, and other equipment; the physical and electronic parts of a computer or other electronic systems   |
| 99. chaotic env_____nt            | <i>n.</i> the natural world such as air, water, and land in which humans, animals, and plants live   |
| 100. re_____t a nuclear reactor   | <i>v.</i> to start something again, especially after a pause or interruption   |
| 101. na_____te through a document | <i>v.</i> to plan and direct the way that a ship, plane, etc. will travel, often by using a map  |
| 102. gold me__l                   | <i>n.</i> a flat, usually circular piece of metal or other material that is often given as an award or commemoration for an achievement, victory, or honor   |
| 103. na_____te the Pacific        | <i>v.</i> to plan and direct the way that a ship, plane, etc. will travel, often by using a map  |

ANSWERS: 95. emergency, 96. stake, 97. develop, 98. hardware, 99. environment, 100. restart, 101. navigate, 102. medal, 103. navigate

104. es_____al amino acid	<i>adj.</i> indispensable; fundamental
105. romantic ren_____us	<i>n.</i> a meeting or appointment that has been arranged beforehand; a gathering of people in a pre-arranged location
106. extremely co_____t device	<i>adj.</i> closely and firmly united or packed together, using very little space; smaller than is usual
107. in_____te both businesses	<i>v.</i> to combine one thing with another so that they form a whole or work together; to accept equal participation for members of all races and ethnic groups
108. on_____d the new employees	<i>v.</i> to become or make part of a team, group, or system; to install, activate, or begin using a piece of equipment or software; (adjective) included or integrated into a particular system, machine, or device
109. a civil en_____er	<i>n.</i> a person whose job is designing, building, or maintaining something such as machines, structures, or software
110. re_____ed as a novelist	<i>adj.</i> famous and respected for great achievements, qualities, etc.
111. pr_____ty seating for elderly	<i>n.</i> something that is more important than other things and should be dealt with first
112. theory of com_____on	<i>n.</i> the act or process of calculating something, especially an answer or amount, by using a machine or calculator

ANSWERS: 104. essential, 105. rendezvous, 106. compact, 107. integrate, 108. onboard, 109. engineer, 110. renowned, 111. priority, 112. computation

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| 113. decision-making pr____s          | <i>n.</i> 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 |
| 114. th____en national security       | <i>v.</i> to utter intentions of injury or punishment against someone   |
| 115. the film c__w                    | <i>n.</i> a group of people who work together, especially on a ship or airplane   |
| 116. de____t of family                | <i>n.</i> the act or process of moving downward; a person's family origins  |
| 117. de____t smuggling across borders | <i>v.</i> to find or recognize something, especially something difficult to see, hear, etc.   |
| 118. cu__c structure                  | <i>adj.</i> having the shape of a cube or being of three dimensions; measured in units that are the third power of a linear unit  |
| 119. research in____tes               | <i>n.</i> an organization that has a specific purpose, particularly one dealing with science, education, or a particular profession; (verb) to initiate, introduce, or establish something  |
| 120. student ach____nt                | <i>n.</i> a thing that someone has accomplished, primarily through their effort and ability   |
| 121. inc____ly cheerful character     | <i>adv.</i> in a way that is very difficult to believe; exceedingly or extremely  |

ANSWERS: 113. process, 114. threaten, 115. crew, 116. descent, 117. detect, 118. cubic, 119. institute, 120. achievement, 121. incredibly

122. eq__p our children with some special skills	<i>v.</i> to provide a person or a place with the things that are needed for a particular purpose or activity
123. pi__t production	<i>n.</i> a person who flies an aircraft, especially as a job; a person qualified to guide ships through a difficult area of water
124. a private ind_____al	<i>n.</i> a single person or thing, as distinct from a group
125. sp__e parts	<i>adj.</i> additional to what is necessary for ordinary use; (verb) to give time, money, space, etc. to someone
126. ov_____ad the circulatory system	<i>v.</i> to put too much a load in or on something
127. inq_____ve researcher	<i>adj.</i> curious and interested in learning or finding out about things; questioning or prying into matters that are not one's concern; curious or nosy
128. history of hu_____nd	<i>n.</i> the whole of the living human inhabitants of the earth
129. res_____le for a customer service	<i>adj.</i> answerable or accountable for something within one's power, control, or management
130. western phi_____hy	<i>n.</i> the study of general and fundamental questions, such as those about existence, reason, knowledge, values, mind
131. as_____ut in training	<i>n.</i> a person trained by a space agency to travel outside the Earth's atmosphere
132. con_____ion to society	<i>n.</i> the act of giving something, especially money, to a particular cause or organization; a voluntary gift as of money or service or ideas made to some worthwhile cause

ANSWERS: 122. equip, 123. pilot, 124. individual, 125. spare, 126. overload, 127. inquisitive, 128. humankind, 129. responsible, 130. philosophy, 131. astronaut, 132. contribution

133. th____en a healthy relationship	<i>v.</i> to utter intentions of injury or punishment against someone
134. f__p over the pork chop	<i>v.</i> to turn over into a different position quickly; to throw or toss with a light motion
135. as____ut mission	<i>n.</i> a person trained by a space agency to travel outside the Earth's atmosphere
136. es____al commodities of life	<i>adj.</i> indispensable; fundamental
137. ho__r our ancestors	<i>n.</i> high regard or great respect for someone; the quality of having and doing based on a keen sense of morality; (verb) to show respect towards someone
138. bre____ugh in the negotiations	<i>n.</i> a sudden, dramatic, and important discovery or development that helps to improve a situation or provide an answer to a problem
139. as___n top priority	<i>v.</i> to give a specific job or piece of work to a someone
140. as___n projects	<i>v.</i> to give a specific job or piece of work to a someone
141. pre____ine effectiveness	<i>v.</i> to decide or determine in advance; to establish or influence beforehand
142. an ad____le person	<i>adj.</i> able or willing to modify or be modified to deal with new situations
143. post re____ly to a blog	<i>adv.</i> at regular intervals or times
144. in____te into the existing system	<i>v.</i> to combine one thing with another so that they form a whole or work together; to accept equal participation for members of all races and ethnic groups

ANSWERS: 133. threaten, 134. flip, 135. astronaut, 136. essential, 137. honor, 138. breakthrough, 139. assign, 140. assign, 141. predetermine, 142. adaptable, 143. regularly, 144. integrate



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| 145. in_____te a lawsuit            | <i>n.</i> an organization that has a specific purpose, particularly one dealing with science, education, or a particular profession; (verb) to initiate, introduce, or establish something |
| 146. principles of un_____al design | <i>adj.</i> existing or affecting everywhere or everyone   |
| 147. less fo_____te person          | <i>adj.</i> having good luck or lucky  |
| 148. so_____re architect            | <i>n.</i> a set of computer programs and associated documentation and data for doing particular computational jobs   |
| 149. anthropology lab_____ry        | <i>n.</i> a workplace for doing scientific research or teaching science; a lab   |
| 150. an ai_____ft landing           | <i>n.</i> any vehicle that can fly and carry things or passengers, such as a plane or helicopter   |
| 151. ra__r scanning                 | <i>n.</i> a technology that employs radio waves to locate items that cannot be seen  |
| 152. mat_____cs competition         | <i>n.</i> the science dealing with the logic of quantities, shapes, spaces, and arrangement  |
| 153. ab__t a takeoff                | <i>v.</i> to terminate or cancel something before it is complete or fully developed; to cause the end of a pregnancy before the fetus is viable or can survive outside the womb            |
| 154. de___d my country              | <i>v.</i> to protect someone or something from attack, criticism, danger, etc.   |
| 155. en_____er a storm              | <i>v.</i> to face something, particularly something unpleasant or difficult, while attempting to do something else; to meet, especially unexpectedly                                       |

ANSWERS: 145. institute, 146. universal, 147. fortunate, 148. software, 149. laboratory, 150. aircraft, 151. radar, 152. mathematics, 153. abort, 154. defend, 155. encounter

156. pre_____ine result	<i>v.</i> to decide or determine in advance; to establish or influence beforehand
157. pr_____nt emeritus	<i>n.</i> the leader of a republic, for example, the US; the person in charge of the organization such as a company, university, club, etc.
158. ch__s theory	<i>n.</i> a state of complete confusion or disorder, often characterized by a lack of predictability or control
159. prove unr_____le	<i>adj.</i> not able to be trusted or depended on
160. give the al__m	<i>n.</i> a loud noise or an automatic signal that warns people of danger; a device that signals the occurrence of some undesirable event or particular danger
161. spa_____ft launch	<i>n.</i> a vehicle designed to travel through space, typically carrying astronauts or scientific instruments
162. vice-pr_____nt for finance	<i>n.</i> the leader of a republic, for example, the US; the person in charge of the organization such as a company, university, club, etc.
163. b__z marketing	<i>v.</i> to make a continuous, low humming sound such as the one bee makes; an exciting and active atmosphere
164. re_____r approval ratings	<i>v.</i> to return to a former condition, health, mind, or strength
165. ra__r air traffic control	<i>n.</i> a technology that employs radio waves to locate items that cannot be seen
166. asy_____ous communication	<i>adj.</i> not happening at the same time or speed

ANSWERS: 156. predetermine, 157. president, 158. chaos, 159. unreliable, 160. alarm, 161. spacecraft, 162. president, 163. buzz, 164. recover, 165. radar, 166. asynchronous

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| 167. on____d computer                    | <i>v.</i> to become or make part of a team, group, or system; to install, activate, or begin using a piece of equipment or software; (adjective) included or integrated into a particular system, machine, or device |
| 168. pr____ty call                       | <i>n.</i> something that is more important than other things and should be dealt with first  |
| 169. womanly ho__r                       | <i>n.</i> high regard or great respect for someone; the quality of having and doing based on a keen sense of morality; (verb) to show respect towards someone  |
| 170. en____er shortage                   | <i>n.</i> a person whose job is designing, building, or maintaining something such as machines, structures, or software  |
| 171. g__d student                        | <i>n.</i> (informal for graduate) a student who has recently graduated or is about to graduate from a school, college, or university   |
| 172. di____l electronic signature        | <i>adj.</i> 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                            |
| 173. f__p a coin                         | <i>v.</i> to turn over into a different position quickly; to throw or toss with a light motion   |
| 174. ad____le enough for the environment | <i>adj.</i> able or willing to modify or be modified to deal with new situations   |

ANSWERS: 167. onboard, 168. priority, 169. honor, 170. engineer, 171. grad, 172. digital, 173. flip, 174. adaptable

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|--------------------------------------|--|
| 175. arrange my sc____le             | <i>n.</i> a list of planned activities, tasks, or things that must be completed showing when they are intended to happen or be done                        |
| 176. com_____te well with my advisor | <i>v.</i> to share or exchange information with others by speaking, writing, moving your body, or using other signals                                      |
| 177. abruptly in_____pt              | <i>v.</i> to say or do something that causes someone to stop in their speech or action   |
| 178. inq_____ve mind                 | <i>adj.</i> curious and interested in learning or finding out about things; questioning or prying into matters that are not one's concern; curious or nosy |
| 179. bre_____ugh discovery           | <i>n.</i> a sudden, dramatic, and important discovery or development that helps to improve a situation or provide an answer to a problem                   |
| 180. parallel com_____on             | <i>n.</i> the act or process of calculating something, especially an answer or amount, by using a machine or calculator                                    |
| 181. de___d against a threat         | <i>v.</i> to protect someone or something from attack, criticism, danger, etc.   |
| 182. tr_____r inflation              | <i>v.</i> to make something happen suddenly; to cause something such as a device, machine, etc. to function  |

ANSWERS: 175. schedule, 176. communicate, 177. interrupt, 178. inquisitive, 179. breakthrough, 180. computation, 181. defend, 182. trigger

## Session 3: Fill in the Blanks

1. The Prime Minister will pay a courtesy visit to the Nobel laureate's \_\_\_\_.  
*n.* a workplace for the conduct of scientific research; a laboratory
2. The \_\_\_\_\_ child asked endless questions about the world around her.  
*adj.* curious and interested in learning or finding out about things; questioning or prying into matters that are not one's concern; curious or nosy
3. His \_\_\_\_\_ to the charity was a generous donation of money.  
*n.* the act of giving something, especially money, to a particular cause or organization; a voluntary gift as of money or service or ideas made to some worthwhile cause
4. So far, the meeting is going according to \_\_\_\_\_.  
*n.* a list of planned activities, tasks, or things that must be completed showing when they are intended to happen or be done
5. We seek a candidate who possesses \_\_\_\_\_ fighting potential.  
*adj.* able or willing to modify or be modified to deal with new situations
6. 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
7. 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

ANSWERS: 1. lab, 2. inquisitive, 3. contribution, 4. schedule, 5. adaptable, 6. breakthroughs, 7. communicate

8. The security camera has \_\_\_\_\_ four intruders.
- v.* to find or recognize something, especially something difficult to see, hear, etc.
9. The researcher demonstrated the superiority of quantum \_\_\_\_\_ in several mathematical tasks.
- n.* the act or process of calculating something, especially an answer or amount, by using a machine or calculator
10. She is still \_\_\_\_\_ from a shot to her shoulder.
- v.* to return to a former condition, health, mind, or strength
11. 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.
12. The marine \_\_\_\_\_ manufacturer demonstrated their newest hydroplane.
- n.* any vehicle that can fly and carry things or passengers, such as a plane or helicopter
13. 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
14. The conference room was in \_\_\_\_\_ as everyone tried to speak at once.
- n.* a state of complete confusion or disorder, often characterized by a lack of predictability or control
15. The \_\_\_\_\_ scientist developed a breakthrough technology that revolutionized the industry.
- adj.* involving new ideas or methods; being the first of their kind; leading the way in a particular field

ANSWERS: 8. detected, 9. computation, 10. recovering, 11. defend, 12. aircraft, 13. process, 14. chaos, 15. pioneering

16. He found that it is difficult to \_\_\_\_\_ socially.
- v.* to combine one thing with another so that they form a whole or work together; to accept equal participation for members of all races and ethnic groups
17. The package was a \_\_\_\_\_ shape, which made it easier to stack on the shelf.
- adj.* having the shape of a cube or being of three dimensions; measured in units that are the third power of a linear unit
18. By incorrect assumption, statistics can be notoriously \_\_\_\_\_.
- adj.* not able to be trusted or depended on
19. The shuttle \_\_\_\_\_ trained for months before embarking on the space mission.
- n.* a person trained by a space agency to travel outside the Earth's atmosphere
20. The \_\_\_\_\_ announcing an enemy attack went off this morning.
- n.* a loud noise or an automatic signal that warns people of danger; a device that signals the occurrence of some undesirable event or particular danger
21. Please \_\_\_\_\_ a different color to each other kind of item.
- v.* to give a specific job or piece of work to a someone
22. Animal protection groups call for an end to animal testing in a \_\_\_\_\_.
- n.* a workplace for doing scientific research or teaching science; a lab
23. The general gave a \_\_\_\_\_ to his troops to prepare for battle.
- n.* authority, control, or mastery over something, often referring to military or leadership contexts; a directive, order, or instruction; expertise or confidence in a specific area; (verb) to give an authoritative order or instruction, or to be in charge or control of something

ANSWERS: 16. integrate, 17. cubic, 18. unreliable, 19. astronaut, 20. alarm, 21. assign, 22. laboratory, 23. command

24. Ethics is a branch of \_\_\_\_\_.

- n.* the study of general and fundamental questions, such as those about existence, reason, knowledge, values, mind

25. The ship's \_\_\_\_\_ worked hard to repair the damaged sails before the next storm hit.

- n.* a group of people who work together, especially on a ship or airplane

26. This \_\_\_\_\_ has never been formally accepted.

- n.* a thing that someone has accomplished, primarily through their effort and ability

27. \_\_\_\_\_ systems cannot spot the submarine.

- n.* a technology that employs radio waves to locate items that cannot be seen

28. Various artificially induced causes are \_\_\_\_\_ our ecosystem.

- v.* to utter intentions of injury or punishment against someone

29. Her sleep was \_\_\_\_\_ by recurring pain.

- v.* to say or do something that causes someone to stop in their speech or action

30. The unique style of this martial arts \_\_\_\_\_ many action film producers.

- v.* to make somebody fill with the desire, confidence, or enthusiasm, especially to do something creative

31. The incident \_\_\_\_\_ a political controversy.

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

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

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

ANSWERS: 24. philosophy, 25. crew, 26. achievement, 27. Radar, 28. threatening, 29. interrupted, 30. inspired, 31. triggered, 32. flipped



33. Be careful not to \_\_\_\_\_ the laundry machine.
- v.* to put too much a load in or on something
34. We must \_\_\_\_\_ a new system to streamline our workflow and increase efficiency.
- v.* to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created
35. Her \_\_\_\_\_ is to be a mother.
- n.* something that is more important than other things and should be dealt with first
36. Two countries acted together as if by \_\_\_\_\_.
- adj.* closely and firmly united or packed together, using very little space; smaller than is usual
37. Ancient people felt mystified by the patterns on the \_\_\_\_\_ surface.
- adj.* of or pertaining to the moon
38. The human-crewed \_\_\_\_\_ successfully landed on the moon, fulfilling its mission.
- n.* a vehicle designed to travel through space, typically carrying astronauts or scientific instruments
39. The \_\_\_\_\_ will repair my telephone tomorrow morning.
- n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software
40. The company had to \_\_\_\_\_ the plan because of financial constraints.
- v.* to terminate or cancel something before it is complete or fully developed; to cause the end of a pregnancy before the fetus is viable or can survive outside the womb

ANSWERS: 33. overload, 34. develop, 35. priority, 36. compact, 37. lunar, 38. spacecraft, 39. engineer, 40. abort

41. Perseverance and optimism are \_\_\_\_\_ to success.

*adj.* necessary for the success or continued existence of something

42. I'm prepared to \_\_\_\_\_ challenges throughout this adventure.

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

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

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

44. I attempted to \_\_\_\_\_ him, but he ignored me.

*v.* to make someone aware of potential danger or difficulty, particularly one that may occur in the future

45. The \_\_\_\_\_ of the company is too high nowadays.

*n.* a share or financial investment in something such as a business; a wooden or metal post set up to mark something

46. The picture earned near-\_\_\_\_\_ acclaim from critics.

*adj.* existing or affecting everywhere or everyone

47. I \_\_\_\_\_ left my phone at home this morning and felt lost.

*adv.* unintentionally; accidentally; without purpose or deliberate intent

48. I claim on my \_\_\_\_\_ that it is true.

*n.* high regard or great respect for someone; the quality of having and doing based on a keen sense of morality; (verb) to show respect towards someone

ANSWERS: 41. vital, 42. encounter, 43. invention, 44. warn, 45. stake, 46. universal, 47. inadvertently, 48. honor

49. This site \_\_\_\_\_ shares high-quality academic materials.

*adv.* at regular intervals or times

50. The \_\_\_\_\_ from the mountain was steep and rocky.

*n.* the act or process of moving downward; a person's family origins

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

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

52. This aircraft offers free \_\_\_\_\_ Internet service.

*adj.* happening or available during an aircraft flight

53. The passengers were instructed to \_\_\_\_\_ the aircraft as quickly as possible so that the flight could depart on time.

*v.* to become or make part of a team, group, or system; to install, activate, or begin using a piece of equipment or software; (adjective) included or integrated into a particular system, machine, or device

54. Every human is responsible for taking care of the Earth's \_\_\_\_\_.

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

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

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

56. 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

ANSWERS: 49. regularly, 50. descent, 51. pilot, 52. inflight, 53. onboard, 54. environment, 55. bug, 56. individual,

57. 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

58. Five miles is \_\_\_\_\_ similar to eight kilometers.

*adv.* approximately but not precisely; with a violent manner

59. I made plans to spend my \_\_\_\_\_ time beneficially.

*adj.* additional to what is necessary for ordinary use; (verb) to give time, money, space, etc. to someone

60. A suspension order from the court is effective \_\_\_\_\_.

*adv.* now or without delay

61. The construction company \_\_\_\_\_ the building with an earthquake-resistant device.

*v.* to provide a person or a place with the things that are needed for a particular purpose or activity

62. Several cities are experiencing \_\_\_\_\_ high unemployment rates.

*adv.* in a way that is very difficult to believe; exceedingly or extremely

63. The \_\_\_\_\_ rainstorm caused the collapse of the corral.

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

64. The patient needs a \_\_\_\_\_ transplant operation.

*n.* the act or process of rescuing someone else's life, especially from drowning

ANSWERS: 57. digital, 58. roughly, 59. spare, 60. immediately, 61. equipped, 62. incredibly, 63. unexpected, 64. lifesaving

65. The club \_\_\_\_\_ does not have absolute power.

- n.* the leader of a republic, for example, the US; the person in charge of the organization such as a company, university, club, etc.

66. The company specializes in both hardware and \_\_\_\_\_.

- n.* a set of computer programs and associated documentation and data for doing particular computational jobs

67. The president declared a state of \_\_\_\_\_.

- n.* a sudden unforeseen crisis usually involving danger that requires immediate action

68. He was proud to be a \_\_\_\_\_ of the prestigious university.

- n.* (informal for graduate) a student who has recently graduated or is about to graduate from a school, college, or university

69. The mentor provided \_\_\_\_\_ to the young entrepreneur, helping her navigate the business world.

- n.* advice or instructions given to help direct someone's behavior or decision-making

70. Our knowledge helps \_\_\_\_\_ our clients successfully.

- v.* to plan and direct the way that a ship, plane, etc. will travel, often by using a map

71. He bated his \_\_\_\_\_ when talking about this affair.

- n.* the air that is taken into and expelled from your lungs; the process of taking into and expelling air from your lungs

72. The online course was designed for \_\_\_\_\_ learning, allowing students to complete assignments at their own pace.

- adj.* not happening at the same time or speed

ANSWERS: 65. president, 66. software, 67. emergency, 68. grad, 69. guidance, 70. navigate, 71. breath, 72. asynchronous

73. He won the \_\_\_\_\_ for best actor at the film festival.

*n.* a prize or other mark of recognition given in honor of an achievement

74. Our \_\_\_\_\_ point was the coffee shop on the corner.

*n.* a meeting or appointment that has been arranged beforehand; a gathering of people in a pre-arranged location

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

*adj.* indispensable; fundamental

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

*adj.* having good luck or lucky

77. I always carry a backup \_\_\_\_\_ in case my phone runs out of battery.

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

78. It is a basic instinct to \_\_\_\_\_ from a dangerous situation.

*v.* to leave by running away, especially out of fear or danger

79. People can pick out superior products \_\_\_\_\_ of the quality of the advertising.

*adv.* not paying attention or considering something or someone even if the situation is bad or there are difficulties

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

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

81. She tried to \_\_\_\_\_ the conversation after the awkward silence.

*v.* to start something again, especially after a pause or interruption

ANSWERS: 73. award, 74. rendezvous, 75. essential, 76. fortunate, 77. device, 78. flee, 79. regardless, 80. divide, 81. restart

82. She was proud to receive a \_\_\_\_\_ for her hard work and dedication to the sport.

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

83. The mouse and keyboard are essential \_\_\_\_\_ for operating a PC.

- n.* durable tools, machinery, and other equipment; the physical and electronic parts of a computer or other electronic systems

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

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

85. This area is \_\_\_\_\_ for its hot springs.

- adj.* famous and respected for great achievements, qualities, etc.

86. I heard the \_\_\_\_\_ of conversation from the next room.

- v.* to make a continuous, low humming sound such as the one bee makes; an exciting and active atmosphere

87. One \_\_\_\_\_ of success is having a positive attitude and a strong work ethic.

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

88. On the geological time scale, \_\_\_\_\_ has existed for a brief moment.

- n.* the whole of the living human inhabitants of the earth

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

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

ANSWERS: 82. medal, 83. hardware, 84. institutes, 85. renowned, 86. buzz, 87. determinant, 88. humankind, 89. mathematics

90. She's a \_\_\_\_\_ pet owner who ensures her dog gets enough exercise and a healthy diet.

*adj.* answerable or accountable for something within one's power, control, or management

91. I can't \_\_\_\_\_ the game's outcome, and anything can happen.

*v.* to decide or determine in advance; to establish or influence beforehand

ANSWERS: 90. responsible, 91. predetermine