

# Englist.me



## Vocabulary Builder Reference from...

*Steven Johnson: The playful wonderland behind great inventions | TED Talk*

[https://www.ted.com/talks/steven\\_johnson\\_the\\_playful\\_wonderland\\_behind\\_great\\_inventions](https://www.ted.com/talks/steven_johnson_the_playful_wonderland_behind_great_inventions)

### 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.

### cave

*n.* a large hole in the side of a hill, cliff, mountain, or under the ground

*synonym* : cavern, grotto, burrow

(1) domiciliary **caves**, (2) the mouth of the **cave**

Bats reside in sheltered **caves**.

### 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.

### 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.

## mammoth

*adj.* exceedingly large or extensive; (noun) any of numerous extinct elephants widely distributed in the Pleistocene

*synonym* : huge, large

(1) woolly **mammoth**, (2) a **mammoth** ship

The minister decided to review its **mammoth** public works projects.

## vulture

*n.* a large bird of prey with a bald head, sharp beak, and keen eyesight, feeding mainly on carrion (the flesh of dead animals)

*synonym* : buzzard, scavenger, carrion bird

(1) **vulture** colony, (2) scavenging **vulture**

The **vulture's** sharp eyesight allows it to spot carrion from great distances.

## vicinity

*n.* the area or region surrounding or in the general vicinity of a particular place or location; a nearby or neighboring region

*synonym* : proximity, nearness, locality

(1) immediate **vicinity**, (2) city and its **vicinity**

The area in the **vicinity** of the mall is known for its heavy traffic congestion.

## creature

*n.* a living being, especially an animal

*synonym* : being, animal, organism

(1) **creature** of habit, (2) artificial **creature**

The deep sea **creature** was unlike anything the scientists had ever seen before.

## disperse

*v.* to spread out or distribute over a broad region, or to cause something to do so

*synonym* : dissipate, spread, scatter

(1) **disperse** false information, (2) **disperse** the protesters

Before authorities **dispersed** the protesters, they yelled slogans.

## remarkable

*adj.* worthy of attention because unusual or special

*synonym* : outstanding, exceptional, extraordinary

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

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

## skeleton

*n.* the structure of bones in a human or animal body, or a framework of bones or other material that supports a plant

*synonym* : bones, frame, structure

(1) the steel **skeleton** of a building, (2) **skeleton** hand

Scientists studied the ancient **skeleton** to learn more about the creature's anatomy.

## craft

*n.* an activity that requires a particular skill in making things with one's hands

*synonym* : art, skill, workmanship

(1) **craft** arts of Japan, (2) **craft** manufacture

His hometown was where he first acquired the **craft** of wood carving.

## flute

*n.* a musical instrument consisting of a metal, wood, or bamboo tube with a row of fingerholes and sometimes keys, played by blowing across a hole near one end

*synonym* : pipe, recorder, whistle

(1) **flute** music, (2) play the **flute**

The **flute** solo in the symphony was beautiful and elevated the overall performance.

## hunt

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

*synonym* : chase, pursuit, quest

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

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

## garment

*n.* a piece of clothing, such as a dress, coat, or shirt

*synonym* : apparel, clothing, attire

(1) **garment** industry, (2) silk **garment**  
She hung the wet **garment** on the clothesline to dry.

## 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**.

## preposterous

*adj.* absurd, ridiculous, or contrary to reason or common sense

*synonym*: ridiculous, absurd, nonsensical

(1) **preposterous** claim, (2) **preposterous** price  
The idea that aliens built the pyramids is **preposterous**.

## 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.

## vibration

*n.* a continuous quick and slight shaking movement

*synonym*: oscillation, fluctuation, reverberation

(1) protection against **vibration**, (2) sympathetic **vibration**  
**Vibration** displaced part of the mechanism.

## 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.

## ancestor

*n.* a person from whom one is descended; a forefather

*synonym*: forebear, forefather, progenitor

(1) **ancestor** language, (2) earliest human **ancestor**

My remote **ancestor** immigrated to the United States from Ireland in the 1800s.

## surprisingly

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

*synonym* : exceptionally, notably, unusually

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

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

## innovation

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

*synonym* : invention, initiation, creation

(1) **innovation** leader, (2) cutting-edge **innovation**

The vegetarian burger was an **innovation** that quickly spread to the United Kingdom.

## conquer

*v.* to bring under control by force or authority

*synonym* : defeat, overpower, subdue

(1) **conquer** fatal disease, (2) **conquer** the world

You must **conquer** your anxiety about driving.

## frivolous

*adj.* not serious or sensible; silly or unimportant

*synonym* : silly, foolish, unimportant

(1) **frivolous** lawsuits, (2) engage in **frivolous** conversation

He was accused of being **frivolous** and not taking his responsibilities seriously.

## spark

*v.* to start something or make it grow, especially suddenly; to emit a tiny piece of fire or electricity

*synonym* : start, inspire, provoke

(1) **spark** his interest, (2) **spark** a chain reaction

The bankruptcy of the giant conglomerate **sparked** turmoil in the stock market.

## transformation

*n.* a complete change in form, nature, or appearance of someone or something

*synonym* :

change, conversion, renewal

(1) the **transformation** of a tadpole into a frog, (2) cast a **transformation** spell

Understanding unitary **transformations** of a normal matrix require considerable mathematical sophistication.

## descend

v. to move downward and lower; to come from, or to be connected by a relationship of blood

*synonym*: dip, drop, come down

(1) **descend** a steep hill, (2) **descend** by elevator

She was **descended** from an old Italian noble family.

## 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.

## specifically

*adv.* only associated with or meant for one thing

*synonym*: especially, particularly, notably

(1) designed **specifically** for men, (2) for **specifically** American customers

This ad campaign is aimed **specifically** at young women.

## crack

v. to break or cause to break without dividing into separate parts; (noun) a line on the surface of something along which it has separated without breaking

*synonym*: snap, burst, break

(1) **crack** an eggshell, (2) a **crack** in a board

He that would eat the kernel must **crack** the nut.

## calculate

v. to judge or find out the amount or number of something by using mathematics

*synonym*: compute, figure, estimate

(1) **calculate** the distance, (2) **calculate** his credit score

He couldn't **calculate** the actual value of the artwork.

## rocket

*n.* a large tube-shaped object that moves very fast by a stream of gases let out behind it, used for space travel or as a weapon

*synonym* : projectile, missile

(1) **rocket** attack against the enemy, (2) **rocket** fuel

The **rocket** launch platform is visible from this hill.

## trajectory

*n.* the curved path followed by an object moving through space

*synonym* : course, curve, orbit

(1) career **trajectory**, (2) a **trajectory** missile

The company has shown an excellent growth **trajectory** over the years.

## origin

*n.* the first existence or beginning of something

*synonym* : root, source, ancestor

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

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

## tube

*n.* a cylindrical container of metal, plastic, glass, etc., usually sealed and used as a means of preserving food or chemicals; a hollow cylindrical shape

*synonym* : pipe, hose, duct

(1) a capillary **tube**, (2) a glass **tube**

The **tube** train was packed with commuters during rush hour.

## eventually

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

*synonym* : finally, someday, ultimately

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

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

## modify

*v.* to change something slightly, such as a plan, option, law, etc., especially to make it more suitable for a

particular purpose

*synonym*: adjust, alter, revise

(1) genetically **modify** food, (2) **modify** my behavior

We use adverbs to **modify** verbs and adjectives.

## 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.

## 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.

## lever

*n.* a handle used to operate a vehicle or a machine; a rigid bar resting on a pivot so that one end of it can be pushed or pulled easily

*synonym*: lifter, crowbar, bar

(1) a gear change **lever**, (2) **lever** for reform

This initiative will be a **lever** for increasing company sales.

## keyboard

*n.* device consisting of a set of keys on a piano, typewriter, computer, etc., that you press to make it work

*synonym*: console, piano

(1) numeric **keyboard**, (2) **keyboard** instruments

Please strike the "enter" on the **keyboard**.

## evolve

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

*synonym*: develop, mature, grow

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

Eyeless fish **evolved** in dark caves.



## clavichord

*n.* a keyboard instrument of the stringed family, popular in the 16th to 18th centuries, with a rectangular shape and strings that are sounded by brass tangents when the keys are depressed

(1) antique **clavichord**, (2) **clavichord** performance

I enjoy playing classical music on the **clavichord**, a keyboard instrument from the Baroque era.

## harpsichord

*n.* a keyboard instrument with strings plucked by plectra rather than struck by hammers like a piano. It is known for its distinctive and bright sound; it was a common instrument in the Baroque and classical music periods

*synonym*: clavichord, spinet, virginal

(1) electric **harpsichord**, (2) **harpsichord** player

She was playing a beautiful piece of music on the **harpsichord**.

## 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**.

## typewriter

*n.* a mechanical device used for writing, consisting of type keys that, when pressed, imprint ink onto paper or other writing material, mainly used before modern computers, printers, and word processors took over

(1) **typewriter** keys, (2) electronic **typewriter**

I found an old **typewriter** at a thrift store and used it to write my novel.

## 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.

## Renaissance

*n.* a new growth in activity or enthusiasm in anything, particularly art, literature, or music

*synonym* : rebirth, golden age

(1) artistic **renaissance**, (2) industrial **renaissance**

Folk music is now experiencing a **renaissance**.

## device

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

*synonym* : gadget, instrument, tool

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

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

## automated

*adj.* carried out by machines or computers to replace or decrease human labor

*synonym* : computerized, mechanical, laborsaving

(1) **automated** manual transmission, (2) **automated** way

The plant will continue operating through an **automated** system 24 hours a day.

## instrument

*n.* an object used to make musical sounds, such as a piano, guitar, or drum; a tool or device used for a specific activity, particularly in specialist or scientific work

*synonym* : apparatus, tool, device

(1) musical **instruments**, (2) surgical **instruments**

This electronic **instrument** is required to undergo periodic inspections to ensure precision.

## giant

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

*synonym* : big, gigantic, huge

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

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

## instruction

*n.* detailed direction, order, etc., on how to do or use something

*synonym*: education, direction, guidance

(1) individual **instruction**, (2) follow his **instructions**

They needed further **instruction** to perform their duties efficiently.

## encode

*v.* to convert information into a code or format suitable for storage or transmission

*synonym*: transcribe, convert

(1) **encode** data, (2) **encode** information

The software can **encode** and decode encrypted messages.

## rot

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

*synonym*: perish, decay, corrode

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

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

## cylinder

*n.* a solid or hollow geometric figure with two round ends and long straight sides, or an object shaped like this

(1) a six- **cylinder** engine, (2) a ventilation **cylinder**

The gas was trapped inside the **cylinders** under high pressure.

## swap

*v.* to give something and receive something in trade

*synonym*: exchange, switch, trade

(1) **swap** seats, (2) **swap** columns with rows

Don't **swap** horses while crossing a stream.

## conceptual

*adj.* related to or founded on ideas, principles

*synonym*: theoretical, abstract, ideational

(1) **conceptual** art, (2) new **conceptual** framework

He has absolutely no **conceptual** comprehension of maths.

## massive

*adj.* enormous amount; very heavy and solid

*synonym*: enormous, giant, immense

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

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

## leap

*v.* to jump or spring into the air, often with the feet leaving the ground or a surface below; to move quickly or suddenly, often forward or upward

*synonym*: jump, bound, hop

(1) **leap** to a conclusion, (2) **leap** of faith

The athlete was able to **leap** over the hurdle with ease.

## 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.

## 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**.

## 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.

**concept**

*n.* an idea or principle associated with something abstract  
*synonym*: idea, notion, vision  
(1) learn new **concepts**, (2) **concept** car  
One such rapidly growing **concept** is quantum cryptography.

**conquest**

*n.* the act or process of taking control of a country, area, or situation  
*synonym*: subjugation, domination, mastery  
(1) imperial **conquest**, (2) make a **conquest**  
He continued to grow his empire through **conquest**.

**necessity**

*n.* the state or fact of being needed; anything indispensable  
*synonym*: need, essentiality, prerequisite  
(1) in great **necessity**, (2) the **necessity** of the concrete measure  
He emphasized the **necessity** of immediate action.

**delight**

*n.* a feeling of great pleasure or happiness  
*synonym*: pleasure, joy, satisfaction  
(1) a tremor of **delight**, (2) with **delight**  
The **delight** on the child's faces when they received the toy was priceless.

**exclusive**

*adj.* not divided or shared with others  
*synonym*: sole, deluxe, limited  
(1) **exclusive** authority, (2) **exclusive** clubs  
The condo offers **exclusive** access to the beach.

**parisian**

*adj.* of or from Paris, France; characteristic of Paris or its inhabitants  
(1) **Parisian** celebrity, (2) **parisian** accent  
The **Parisian** café had a charming atmosphere.

**elite**

*adj.* belonging to the wealthiest, most potent, best-educated, or best-trained group in a society  
*synonym*: privileged, favored, elect

(1) earn **elite** status, (2) **elite** athlete

Very few educational **elites** go to Oxford or Cambridge.

## movement

*n.* a group of people working together to achieve a shared goal, especially a political, social, or artistic one; the process of moving or being moved, physically or figuratively

*synonym* : motion, progression, action

(1) a circular **movement**, (2) **movement** of troops

The **movement** of the dancers on stage was graceful and elegant.

## automaton

*n.* a machine or mechanism, often in the form of a human figure that is designed to move and behave in a pre-programmed or automatic way; someone who behaves in a mechanical or robot-like manner without independent thought or feeling

*synonym* : robot, android, cyborg

(1) **automaton** voice, (2) a lifeless **automaton**

The factory worker felt like an **automaton**, performing the same task repeatedly.

## weave

*v.* to make cloth, a carpet, a basket, etc., by repeatedly crossing a single thread through two sets of long threads at a right angle to them

*synonym* : braid, unite, contrive

(1) **weave** on a loom, (2) **weave** a story

The girl **weaves** a garland for her friend.

## represent

*v.* to speak, act, or be present on behalf of another person or group; to form or constitute

*synonym* : depict, express, describe

(1) **represent** by a diagram, (2) the characters that **represent** numbers

We elected him to **represent** us at the international conference.

## thread

*n.* a fine cord of natural or synthetic fibers or filaments, such as cotton or nylon, used in sewing, knitting, or weaving; a series of connected messages or comments on a social media platform or online forum, often related to a particular topic; a sequence or line of events, ideas, or actions that are connected or related; (verb) to pass a thread through a needle or other small opening, in preparation for sewing or stitching

*synonym*: filament, string, yarn

(1) **thread** a catheter, (2) start a new **thread**

The detective followed a **thread** of clues which ultimately led to the suspect's arrest.

## fabric

*n.* cloth or other material produced by weaving wool, cotton, silk, etc., used for making clothes, covering furniture, etc.

*synonym*: cloth, material, goods

(1) a hand-loomed **fabric**, (2) **fabric** of creation

These synthetic **fabrics** are used in military vests because of their excellent abrasion resistance.

## loom

*v.* to appear or take shape as a large, especially in a frightening way

*synonym*: appear, come on, overshadow

(1) **loom** over the global economy, (2) **loom** on the horizon

The issue of divorce **loomed** large in his mind.

## time-consuming

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

*synonym*: lengthy, prolonged, protracted

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

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

## flexible

*adj.* able to change or be changed to suit new conditions or situations; able to bend easily

*synonym*: adaptable, elastic, pliable

(1) **flexible** schedules, (2) a **flexible** wire

You can be more **flexible** and creative in your approach.

## punch

*v.* to strike someone or something with one's fist; to make a hole in something

*synonym*: hit, strike, slap

(1) **punch** out numbers, (2) **punch** a ticket

He **punched** the wall in anger.

## 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.

## analytical

*adj.* relating to or using analysis (= the process of breaking down a complex system or concept into smaller, simpler parts to understand it better), or able to analyze

*synonym*: investigative, logical, cogent

(1) **analytical** approach, (2) **analytical** ability

He is **analytical** and can break down complex problems into manageable parts.

## engine

*n.* a machine that converts thermal energy to mechanical work; something that has an important role used to achieve a purpose

*synonym*: motor, locomotive, driver

(1) a steam **engine**, (2) an air-cooled **engine**

The policies he announces can be the **engine** of economic growth in the country.

## involvement

*n.* the fact or condition of taking part in something, or the degree to which someone takes part in something

*synonym*: participation, engagement, commitment

(1) political **involvement**, (2) **involvement** in criminal activity



The **involvement** of the local government in the project has been critical to its success.

**toy** *n.* a thing, typically a small model or replica of something that is played with, especially by children  
*synonym*: plaything, game, trinket  
(1) **toy** store, (2) **toy** box  
He gave his daughter a new **toy** for her birthday.

**rub** *v.* to move one's hand or an object over the surface of something with pressure  
*synonym*: scrub, massage, stroke  
(1) **rub** shoulders, (2) **rub** a glass window  
She **rubbed** the sore spot on her leg to ease the pain.

**probabilistic** *adj.* characterized by the influence of chance or probability; involving the use of statistical models or methods to estimate likelihoods or risks  
*synonym*: probable, statistical, likely  
(1) **probabilistic** model, (2) **probabilistic** approach  
In a **probabilistic** system, the outcome is uncertain and can vary based on chance.

**insure** *v.* to provide coverage in the event of loss or damage  
*synonym*: protect, guard, safeguard  
(1) **insure** my house against fire, (2) **insure** domestic tranquility  
I will **insure** my car before I go on a road trip.

**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.

**possibility** *n.* a chance that something may happen or be true  
*synonym*: chance, prospect, likelihood

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

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

## amusement

*n.* the state or experience of finding something humorous or entertaining

*synonym*: entertainment, diversion, fun

(1) **amusement** quarters, (2) source of **amusement**

We went to the **amusement** park and rode roller coasters all day.

## profound

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

*synonym*: deep, unsounded, far-reaching

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

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

## implication

*n.* something that is inferred or indirectly stated; the act or fact of being involved in something

*synonym*: suggestion, association, conclusion

(1) the **implication** in a crime, (2) the **implication** of a word

His poem has a very significant **implication**.

## encourage

*v.* to give someone support, confidence, or hope; to persuade someone to do or continue to do something by making it easier for them and making them believe it is a good thing to do

*synonym*: facilitate, persuade, stimulate

(1) **encourage** a sense of affinity, (2) **encourage** antisocial behavior

They **encouraged** customers with a premium for loyal patronage.

## workspace

*n.* a designated area or physical setting where work is performed, often in a business or office setting

*synonym*: office, studio, workplace

(1) **workspace** design, (2) shared **workspace**

I need a quiet **workspace** to concentrate on my project.

## 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.

## 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.

## entertaining

*adj.* providing enjoyment or amusement, especially through being lively or amusing

*synonym*: amusing, diverting, engaging

(1) **entertaining** puppet show, (2) very **entertaining** book

The magician's act was **entertaining** and kept the audience on the edge of their seats.

## clue

*n.* an object, a piece of evidence, or some information that helps someone to find the answer to a problem, question, or mystery

*synonym*: hint, indication, inkling

(1) a **clue** about the crime, (2) a **clue** to the diagnosis

The police couldn't find a **clue** to her whereabouts.

## technological

*adj.* based on scientific and industrial progress

*synonym*: specialized, technical

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

**Technological** advances have disrupted many industries.

## revolution

*n.* a large-scale attempt to overthrow the government of a country, often using violence or war;

*synonym* : coup, innovation, rebellion

(1) beginning of the industrial **revolution**, (2) a political **revolution**

The **revolution** by the citizen resulted in a redistribution of wealth.

## Session 2: Spelling

1. el\_\_e athlete  
*adj.* belonging to the wealthiest, most potent, best-educated, or best-trained group in a society
2. immediate vi\_\_\_\_ty  
*n.* the area or region surrounding or in the general vicinity of a particular place or location; a nearby or neighboring region
3. very ent\_\_\_\_\_ing book  
*adj.* providing enjoyment or amusement, especially through being lively or amusing
4. ro\_\_\_\_\_y explain my idea  
*adv.* approximately but not precisely; with a violent manner
5. tec\_\_\_\_\_cal policy  
*adj.* based on scientific and industrial progress
6. pa\_\_\_\_\_an accent  
*adj.* of or from Paris, France; characteristic of Paris or its inhabitants
7. typ\_\_\_\_\_er keys  
*n.* a mechanical device used for writing, consisting of type keys that, when pressed, imprint ink onto paper or other writing material, mainly used before modern computers, printers, and word processors took over
8. h\_\_t a job  
*v.* to go after and try to catch wild animals to kill them for food, sport, or profit
9. a steam en\_\_\_e  
*n.* a machine that converts thermal energy to mechanical work; something that has an important role used to achieve a purpose

ANSWERS: 1. elite, 2. vicinity, 3. entertaining, 4. roughly, 5. technological, 6. parisian, 7. typewriter, 8. hunt, 9. engine

10. inv\_\_\_\_\_nt in criminal activity      *n.* the fact or condition of taking part in something, or the degree to which someone takes part in something
11. a mi\_\_\_\_\_ry operation      *adj.* relating to or characteristic of members of the armed forces; of or relating to war or warfare
12. gi\_\_t trees      *adj.* enormous; much bigger or more important than similar items usually are
13. learn new co\_\_\_\_\_ts      *n.* an idea or principle associated with something abstract
14. mo\_\_\_\_\_n poetry      *adj.* of or belonging to the present time or recent times
15. begin to r\_t      *v.* to decay, or cause something to decay, naturally and gradually
16. tec\_\_\_\_\_cal advancement      *adj.* based on scientific and industrial progress
17. make a co\_\_\_\_\_st      *n.* the act or process of taking control of a country, area, or situation
18. ca\_\_\_\_\_te his credit score      *v.* to judge or find out the amount or number of something by using mathematics
19. genetically mo\_\_\_\_\_y food      *v.* to change something slightly, such as a plan, option, law, etc., especially to make it more suitable for a particular purpose
20. an air-cooled en\_\_\_\_\_e      *n.* a machine that converts thermal energy to mechanical work; something that has an important role used to achieve a purpose

ANSWERS: 10. involvement, 11. military, 12. giant, 13. concept, 14. modern, 15. rot, 16. technological, 17. conquest, 18. calculate, 19. modify, 20. engine

21. wo\_\_\_\_\_ce design *n.* a designated area or physical setting where work is performed, often in a business or office setting
22. di\_\_\_\_\_se the protesters *v.* to spread out or distribute over a broad region, or to cause something to do so
23. individual ins\_\_\_\_\_on *n.* detailed direction, order, etc., on how to do or use something
24. de\_\_\_\_\_d a steep hill *v.* to move downward and lower; to come from, or to be connected by a relationship of blood
25. tr\_\_\_\_\_r inflation *v.* to make something happen suddenly; to cause something such as a device, machine, etc. to function
26. or\_\_\_\_\_n of information *n.* the first existence or beginning of something
27. cast a tra\_\_\_\_\_ion spell *n.* a complete change in form, nature, or appearance of someone or something
28. copyrighted so\_\_\_\_\_re *n.* a set of computer programs and associated documentation and data for doing particular computational jobs
29. pro\_\_\_\_\_tic approach *adj.* characterized by the influence of chance or probability; involving the use of statistical models or methods to estimate likelihoods or risks
30. a capillary t\_\_e *n.* a cylindrical container of metal, plastic, glass, etc., usually sealed and used as a means of preserving food or chemicals; a hollow cylindrical shape
31. co\_\_\_\_\_r fatal disease *v.* to bring under control by force or authority

ANSWERS: 21. workspace, 22. disperse, 23. instruction, 24. descend, 25. trigger, 26. origin, 27. transformation, 28. software, 29. probabilistic, 30. tube, 31. conquer

32. play the fl\_\_e *n.* a musical instrument consisting of a metal, wood, or bamboo tube with a row of fingerholes and sometimes keys, played by blowing across a hole near one end
33. di\_\_\_\_se false information *v.* to spread out or distribute over a broad region, or to cause something to do so
34. numeric ke\_\_\_\_rd *n.* device consisting of a set of keys on a piano, typewriter, computer, etc., that you press to make it work
35. I\_\_m over the global economy *v.* to appear or take shape as a large, especially in a frightening way
36. sk\_\_\_\_on hand *n.* the structure of bones in a human or animal body, or a framework of bones or other material that supports a plant
37. ana\_\_\_\_al approach *adj.* relating to or using analysis (= the process of breaking down a complex system or concept into smaller, simpler parts to understand it better), or able to analyze
38. cla\_\_\_\_rd performance *n.* a keyboard instrument of the stringed family, popular in the 16th to 18th centuries, with a rectangular shape and strings that are sounded by brass tangents when the keys are depressed
39. br\_\_\_\_nt idea *adj.* extremely clever, skilled, or impressive
40. tim\_\_\_\_ing project *adj.* requiring a significant amount of time or effort to complete
41. ma\_\_\_\_e amounts *adj.* enormous amount; very heavy and solid

ANSWERS: 32. flute, 33. disperse, 34. keyboard, 35. loom, 36. skeleton, 37. analytical, 38. clavichord, 39. brilliant, 40. time-consuming, 41. massive



42. a glass t\_\_e *n.* a cylindrical container of metal, plastic, glass, etc., usually sealed and used as a means of preserving food or chemicals; a hollow cylindrical shape
43. a c\_\_e about the crime *n.* an object, a piece of evidence, or some information that helps someone to find the answer to a problem, question, or mystery
44. r\_b a glass window *v.* to move one's hand or an object over the surface of something with pressure
45. l\_\_p to a conclusion *v.* to jump or spring into the air, often with the feet leaving the ground or a surface below; to move quickly or suddenly, often forward or upward
46. t\_y box *n.* a thing, typically a small model or replica of something that is played with, especially by children
47. surgical ins\_\_\_\_\_nts *n.* an object used to make musical sounds, such as a piano, guitar, or drum; a tool or device used for a specific activity, particularly in specialist or scientific work
48. ana\_\_\_\_\_al ability *adj.* relating to or using analysis (= the process of breaking down a complex system or concept into smaller, simpler parts to understand it better), or able to analyze
49. field of artificial int\_\_\_\_\_nce *n.* the ability to learn, comprehend, or make judgments or conclusions based on reasons

ANSWERS: 42. tube, 43. clue, 44. rub, 45. leap, 46. toy, 47. instrument, 48. analytical, 49. intelligence

50. co\_\_\_\_t car *n.* an idea or principle associated with something abstract
51. electric har\_\_\_\_\_rd *n.* a keyboard instrument with strings plucked by plectra rather than struck by hammers like a piano. It is known for its distinctive and bright sound; it was a common instrument in the Baroque and classical music periods
52. eve\_\_\_\_\_ly become obsolete *adv.* finally, particularly after a long time or a lot of struggle, complications, and so on
53. au\_\_\_\_\_ed manual transmission *adj.* carried out by machines or computers to replace or decrease human labor
54. we\_\_e on a loom *v.* to make cloth, a carpet, a basket, etc., by repeatedly crossing a single thread through two sets of long threads at a right angle to them
55. a political rev\_\_\_\_\_on *n.* a large-scale attempt to overthrow the government of a country, often using violence or war;
56. a fl\_\_\_\_\_le wire *adj.* able to change or be changed to suit new conditions or situations; able to bend easily
57. sp\_\_k his interest *v.* to start something or make it grow, especially suddenly; to emit a tiny piece of fire or electricity
58. le\_\_r for reform *n.* a handle used to operate a vehicle or a machine; a rigid bar resting on a pivot so that one end of it can be pushed or pulled easily

ANSWERS: 50. concept, 51. harpsichord, 52. eventually, 53. automated, 54. weave, 55. revolution, 56. flexible, 57. spark, 58. lever

59. de\_\_\_t smuggling across borders      *v.* to find or recognize something, especially something difficult to see, hear, etc.
60. har\_\_\_\_\_rd player      *n.* a keyboard instrument with strings plucked by plectra rather than struck by hammers like a piano. It is known for its distinctive and bright sound; it was a common instrument in the Baroque and classical music periods
61. ro\_\_\_t attack against the enemy      *n.* a large tube-shaped object that moves very first by a stream of gases let out behind it, used for space travel or as a weapon
62. an\_\_\_\_\_or language      *n.* a person from whom one is descended; a forefather
63. gi\_\_t tech company      *adj.* enormous; much bigger or more important than similar items usually are
64. eve\_\_\_\_\_ly succeed      *adv.* finally, particularly after a long time or a lot of struggle, complications, and so on
65. mo\_\_\_\_\_nt of troops      *n.* a group of people working together to achieve a shared goal, especially a political, social, or artistic one; the process of moving or being moved, physically or figuratively
66. ro\_\_\_t fuel      *n.* a large tube-shaped object that moves very first by a stream of gases let out behind it, used for space travel or as a weapon
67. cr\_\_t arts of Japan      *n.* an activity that requires a particular skill in making things with one's hands

ANSWERS: 59. detect, 60. harpsichord, 61. rocket, 62. ancestor, 63. giant, 64. eventually, 65. movement, 66. rocket, 67. craft

68. small mo\_\_\_\_\_les *n.* a group of two or more atoms held together by attractive forces known as chemical bonds
69. the ne\_\_\_\_\_ty of the concrete measure *n.* the state or fact of being needed; anything indispensable
70. the in\_\_\_\_\_on of new techniques *n.* the creation of a new device or process resulting from study and experimentation; the act of inventing
71. beginning of the industrial rev\_\_\_\_\_on *n.* a large-scale attempt to overthrow the government of a country, often using violence or war;
72. fa\_\_\_\_c of creation *n.* cloth or other material produced by weaving wool, cotton, silk, etc., used for making clothes, covering furniture, etc.
73. ev\_\_\_\_e *v.* to develop gradually, or to cause the development of something or someone gradually
74. in\_\_\_\_e my house against fire *v.* to provide coverage in the event of loss or damage
75. in great ne\_\_\_\_\_ty *n.* the state or fact of being needed; anything indispensable
76. a bu\_\_h of trees *n.* a grouping of several similar things which are growing or fastened together
77. pu\_\_h out numbers *v.* to strike someone or something with one's fist; to make a hole in something
78. 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

ANSWERS: 68. molecule, 69. necessity, 70. invention, 71. revolution, 72. fabric, 73. evolve, 74. insure, 75. necessity, 76. bunch, 77. punch, 78. breakthrough

79. have sur\_\_\_\_\_gly little effect      *adv.* in a way that causes amazement or wonder
80. fun\_\_\_\_\_al rights      *adj.* forming an essential base or core from which everything else develops or is affected
81. sympathetic vi\_\_\_\_\_on      *n.* a continuous quick and slight shaking movement
82. source of am\_\_\_\_\_nt      *n.* the state or experience of finding something humorous or entertaining
83. artificial cr\_\_\_\_\_re      *n.* a living being, especially an animal
84. ke\_\_\_\_\_rd instruments      *n.* device consisting of a set of keys on a piano, typewriter, computer, etc., that you press to make it work
85. a vast inventory of ha\_\_\_\_\_re      *n.* durable tools, machinery, and other equipment; the physical and electronic parts of a computer or other electronic systems
86. racial or\_\_\_\_n      *n.* the first existence or beginning of something
87. domiciliary c\_\_\_\_es      *n.* a large hole in the side of a hill, cliff, mountain, or under the ground
88. inc\_\_\_\_\_ly cheerful character      *adv.* in a way that is very difficult to believe; exceedingly or extremely
89. s\_\_p seats      *v.* to give something and receive something in trade
90. ro\_\_\_\_\_y speaking      *adv.* approximately but not precisely; with a violent manner
91. en\_\_\_\_\_ge antisocial behavior      *v.* to give someone support, confidence, or hope; to persuade someone to do or continue to do something by making it easier for them and making them believe it is a good thing to do

ANSWERS: 79. surprisingly, 80. fundamental, 81. vibration, 82. amusement, 83. creature, 84. keyboard, 85. hardware, 86. origin, 87. cave, 88. incredibly, 89. swap, 90. roughly, 91. encourage

92. electronic typ\_\_\_\_\_er *n.* a mechanical device used for writing, consisting of type keys that, when pressed, imprint ink onto paper or other writing material, mainly used before modern computers, printers, and word processors took over
93. r\_b shoulders *v.* to move one's hand or an object over the surface of something with pressure
94. h\_\_t after knowledge *v.* to go after and try to catch wild animals to kill them for food, sport, or profit
95. protection against vi\_\_\_\_\_on *n.* a continuous quick and slight shaking movement
96. ex\_\_\_\_\_ve clubs *adj.* not divided or shared with others
97. woolly ma\_\_\_\_\_h *adj.* exceedingly large or extensive; (noun) any of numerous extinct elephants widely distributed in the Pleistocene
98. the imp\_\_\_\_\_on of a word *n.* something that is inferred or indirectly stated; the act or fact of being involved in something
99. imperial co\_\_\_\_\_st *n.* the act or process of taking control of a country, area, or situation
100. con\_\_\_\_\_al art *adj.* related to or founded on ideas, principles
101. in\_\_\_\_\_e him to write a novel *v.* to make somebody fill with the desire, confidence, or enthusiasm, especially to do something creative
102. ca\_\_\_\_\_te the distance *v.* to judge or find out the amount or number of something by using mathematics

ANSWERS: 92. typewriter, 93. rub, 94. hunt, 95. vibration, 96. exclusive, 97. mammoth, 98. implication, 99. conquest, 100. conceptual, 101. inspire, 102. calculate

103. a six-cy\_\_\_\_er engine      *n.* a solid or hollow geometric figure with two round ends and long straight sides, or an object shaped like this
104. fl\_\_e music      *n.* a musical instrument consisting of a metal, wood, or bamboo tube with a row of fingerholes and sometimes keys, played by blowing across a hole near one end
105. so\_\_\_\_re architect      *n.* a set of computer programs and associated documentation and data for doing particular computational jobs
106. r\_t with age      *v.* to decay, or cause something to decay, naturally and gradually
107. cr\_\_t manufacture      *n.* an activity that requires a particular skill in making things with one's hands
108. a tremor of de\_\_\_\_t      *n.* a feeling of great pleasure or happiness
109. s\_\_p columns with rows      *v.* to give something and receive something in trade
110. earn el\_\_e status      *adj.* belonging to the wealthiest, most potent, best-educated, or best-trained group in a society
111. rem\_\_\_\_le achievement      *adj.* worthy of attention because unusual or special
112. electronic de\_\_\_\_e      *n.* a piece of equipment, tool, or technology that serves a particular purpose or function, often mechanical or electronic
113. for spe\_\_\_\_lly American customers      *adv.* only associated with or meant for one thing

ANSWERS: 103. cylinder, 104. flute, 105. software, 106. rot, 107. craft, 108. delight, 109. swap, 110. elite, 111. remarkable, 112. device, 113. specifically

114. pos\_\_\_\_\_ty for growth *n.* a chance that something may happen or be true
115. sur\_\_\_\_\_gly advanced culture *adv.* in a way that causes amazement or wonder
116. fun\_\_\_\_\_al education *adj.* forming an essential base or core from which everything else develops or is affected
117. a mi\_\_\_\_\_ry leader *adj.* relating to or characteristic of members of the armed forces; of or relating to war or warfare
118. a ventilation cy\_\_\_\_\_er *n.* a solid or hollow geometric figure with two round ends and long straight sides, or an object shaped like this
119. the tra\_\_\_\_\_ion of a tadpole into a frog *n.* a complete change in form, nature, or appearance of someone or something
120. r\_\_l a ball *v.* to move in a particular direction by turning over and over or from side to side
121. th\_\_\_\_d a catheter *n.* a fine cord of natural or synthetic fibers or filaments, such as cotton or nylon, used in sewing, knitting, or weaving; a series of connected messages or comments on a social media platform or online forum, often related to a particular topic; a sequence or line of events, ideas, or actions that are connected or related; (verb) to pass a thread through a needle or other small opening, in preparation for sewing or stitching

ANSWERS: 114. possibility, 115. surprisingly, 116. fundamental, 117. military, 118. cylinder, 119. transformation, 120. roll, 121. thread



122. sp\_\_k a chain reaction      *v.* to start something or make it grow, especially suddenly; to emit a tiny piece of fire or electricity
123. artistic ren\_\_\_\_\_ce      *n.* a new growth in activity or enthusiasm in anything, particularly art, literature, or music
124. de\_\_\_\_\_d by elevator      *v.* to move downward and lower; to come from, or to be connected by a relationship of blood
125. ga\_\_\_\_\_t industry      *n.* a piece of clothing, such as a dress, coat, or shirt
126. earliest human an\_\_\_\_\_or      *n.* a person from whom one is descended; a forefather
127. l\_\_p of faith      *v.* to jump or spring into the air, often with the feet leaving the ground or a surface below; to move quickly or suddenly, often forward or upward
128. musical ins\_\_\_\_\_nts      *n.* an object used to make musical sounds, such as a piano, guitar, or drum; a tool or device used for a specific activity, particularly in specialist or scientific work
129. ex\_\_\_\_\_ve authority      *adj.* not divided or shared with others
130. a hand-loomed fa\_\_\_c      *n.* cloth or other material produced by weaving wool, cotton, silk, etc., used for making clothes, covering furniture, etc.
131. the characters that re\_\_\_\_\_nt numbers      *v.* to speak, act, or be present on behalf of another person or group; to form or constitute

ANSWERS: 122. spark, 123. Renaissance, 124. descend, 125. garment, 126. ancestor, 127. leap, 128. instrument, 129. exclusive, 130. fabric, 131. represent

132. ent\_\_\_\_\_ing puppet show *adj.* providing enjoyment or amusement, especially through being lively or amusing
133. industrial ren\_\_\_\_\_ce *n.* a new growth in activity or enthusiasm in anything, particularly art, literature, or music
134. vu\_\_\_\_\_e colony *n.* a large bird of prey with a bald head, sharp beak, and keen eyesight, feeding mainly on carrion (the flesh of dead animals)
135. Pa\_\_\_\_\_an celebrity *adj.* of or from Paris, France; characteristic of Paris or its inhabitants
136. a tra\_\_\_\_\_ry missile *n.* the curved path followed by an object moving through space
137. the mouth of the c\_\_\_e *n.* a large hole in the side of a hill, cliff, mountain, or under the ground
138. new con\_\_\_\_\_al framework *adj.* related to or founded on ideas, principles
139. the pr\_\_\_\_\_nd depths of the sea *adj.* extremely great; sensed or experienced very strongly; displaying a high level of knowledge or comprehension
140. am\_\_\_\_\_nt quarters *n.* the state or experience of finding something humorous or entertaining
141. pre-mo\_\_\_n agricultural society *adj.* of or belonging to the present time or recent times
142. pre\_\_\_\_\_ous claim *adj.* absurd, ridiculous, or contrary to reason or common sense
143. en\_\_\_e information *v.* to convert information into a code or format suitable for storage or transmission

ANSWERS: 132. entertaining, 133. Renaissance, 134. vulture, 135. parisian, 136. trajectory, 137. cave, 138. conceptual, 139. profound, 140. amusement, 141. modern, 142. preposterous, 143. encode

144. a pr\_\_\_\_nd book *adj.* extremely great; sensed or experienced very strongly; displaying a high level of knowledge or comprehension
145. a bu\_\_h of schoolgirls *n.* a grouping of several similar things which are growing or fastened together
146. cr\_\_k an eggshell *v.* to break or cause to break without dividing into separate parts; (noun) a line on the surface of something along which it has separated without breaking
147. l\_\_m on the horizon *v.* to appear or take shape as a large, especially in a frightening way
148. en\_\_\_\_\_ge a sense of affinity *v.* to give someone support, confidence, or hope; to persuade someone to do or continue to do something by making it easier for them and making them believe it is a good thing to do
149. a cr\_\_k in a board *v.* to break or cause to break without dividing into separate parts; (noun) a line on the surface of something along which it has separated without breaking
150. tim\_\_\_\_\_ing process *adj.* requiring a significant amount of time or effort to complete
151. get inc\_\_\_\_\_ly insecure *adv.* in a way that is very difficult to believe; exceedingly or extremely
152. tr\_\_\_\_\_r a biochemical response *v.* to make something happen suddenly; to cause something such as a device, machine, etc. to function
153. au\_\_\_\_\_ed way *adj.* carried out by machines or computers to replace or decrease human labor

ANSWERS: 144. profound, 145. bunch, 146. crack, 147. loom, 148. encourage, 149. crack, 150. time-consuming, 151. incredibly, 152. trigger, 153. automated

154. in\_\_\_e domestic tranquility      *v.* to provide coverage in the event of loss or damage
155. us\_\_\_\_s in the kitchen      *adj.* not serving any useful purpose; having no practical result
156. the steel sk\_\_\_\_on of a building      *n.* the structure of bones in a human or animal body, or a framework of bones or other material that supports a plant
157. de\_\_\_t a bad event      *v.* to find or recognize something, especially something difficult to see, hear, etc.
158. scavenging vu\_\_\_\_e      *n.* a large bird of prey with a bald head, sharp beak, and keen eyesight, feeding mainly on carrion (the flesh of dead animals)
159. the rem\_\_\_\_le breadth of knowledge      *adj.* worthy of attention because unusual or special
160. common in\_\_\_\_on      *n.* the creation of a new device or process resulting from study and experimentation; the act of inventing
161. cutting-edge inn\_\_\_\_on      *n.* the creation of a new device or process resulting from study and experimentation
162. a ma\_\_\_\_h ship      *adj.* exceedingly large or extensive; (noun) any of numerous extinct elephants widely distributed in the Pleistocene
163. cr\_\_\_\_re of habit      *n.* a living being, especially an animal
164. a circular mo\_\_\_\_nt      *n.* a group of people working together to achieve a shared goal, especially a political, social, or artistic one; the process of moving or being moved, physically or figuratively

ANSWERS: 154. insure, 155. useless, 156. skeleton, 157. detect, 158. vulture, 159. remarkable, 160. invention, 161. innovation, 162. mammoth, 163. creature, 164. movement

165. the ha\_\_\_\_\_re department *n.* durable tools, machinery, and other equipment; the physical and electronic parts of a computer or other electronic systems
166. pre\_\_\_\_\_ous price *adj.* absurd, ridiculous, or contrary to reason or common sense
167. follow his ins\_\_\_\_\_ons *n.* detailed direction, order, etc., on how to do or use something
168. the imp\_\_\_\_\_on in a crime *n.* something that is inferred or indirectly stated; the act or fact of being involved in something
169. fr\_\_\_\_\_us lawsuits *adj.* not serious or sensible; silly or unimportant
170. r\_\_l down his cheeks *v.* to move in a particular direction by turning over and over or from side to side
171. a gear change le\_\_r *n.* a handle used to operate a vehicle or a machine; a rigid bar resting on a pivot so that one end of it can be pushed or pulled easily
172. pos\_\_\_\_\_ty of a major earthquake *n.* a chance that something may happen or be true
173. antique cla\_\_\_\_\_rd *n.* a keyboard instrument of the stringed family, popular in the 16th to 18th centuries, with a rectangular shape and strings that are sounded by brass tangents when the keys are depressed
174. 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

ANSWERS: 165. hardware, 166. preposterous, 167. instruction, 168. implication, 169. frivolous, 170. roll, 171. lever, 172. possibility, 173. clavichord, 174. breakthrough

175. en\_\_\_e data                                 *v.* to convert information into a code or format suitable for storage or transmission
176. fl\_\_\_\_\_le schedules                   *adj.* able to change or be changed to suit new conditions or situations; able to bend easily
177. in\_\_\_\_\_e a feeling of curiosity       *v.* to make somebody fill with the desire, confidence, or enthusiasm, especially to do something creative
178. pu\_\_h a ticket                             *v.* to strike someone or something with one's fist; to make a hole in something
179. br\_\_\_\_\_nt performance               *adj.* extremely clever, skilled, or impressive
180. we\_\_e a story                              *v.* to make cloth, a carpet, a basket, etc., by repeatedly crossing a single thread through two sets of long threads at a right angle to them
181. tracking de\_\_\_e                            *n.* a piece of equipment, tool, or technology that serves a particular purpose or function, often mechanical or electronic
182. a lifeless au\_\_\_\_\_on                  *n.* a machine or mechanism, often in the form of a human figure that is designed to move and behave in a pre-programmed or automatic way; someone who behaves in a mechanical or robot-like manner without independent thought or feeling
183. us\_\_\_\_\_s information                  *adj.* not serving any useful purpose; having no practical result

ANSWERS: 175. encode, 176. flexible, 177. inspire, 178. punch, 179. brilliant, 180. weave, 181. device, 182. automaton, 183. useless

184. silk ga\_\_\_\_t *n.* a piece of clothing, such as a dress, coat, or shirt
185. shared wo\_\_\_\_\_ce *n.* a designated area or physical setting where work is performed, often in a business or office setting
186. engage in fr\_\_\_\_\_us conversation *adj.* not serious or sensible; silly or unimportant
187. au\_\_\_\_\_on voice *n.* a machine or mechanism, often in the form of a human figure that is designed to move and behave in a pre-programmed or automatic way; someone who behaves in a mechanical or robot-like manner without independent thought or feeling
188. re\_\_\_\_\_nt by a diagram *v.* to speak, act, or be present on behalf of another person or group; to form or constitute
189. t\_y store *n.* a thing, typically a small model or replica of something that is played with, especially by children
190. mo\_\_\_y my behavior *v.* to change something slightly, such as a plan, option, law, etc., especially to make it more suitable for a particular purpose
191. career tra\_\_\_\_\_ry *n.* the curved path followed by an object moving through space
192. pro\_\_\_\_\_tic model *adj.* characterized by the influence of chance or probability; involving the use of statistical models or methods to estimate likelihoods or risks

ANSWERS: 184. garment, 185. workspace, 186. frivolous, 187. automaton, 188. represent, 189. toy, 190. modify, 191. trajectory, 192. probabilistic

193. co\_\_\_\_\_r the world      *v.* to bring under control by force or authority
194. ma\_\_\_\_\_e stars      *adj.* enormous amount; very heavy and solid
195. start a new th\_\_\_\_d      *n.* a fine cord of natural or synthetic fibers or filaments, such as cotton or nylon, used in sewing, knitting, or weaving; a series of connected messages or comments on a social media platform or online forum, often related to a particular topic; a sequence or line of events, ideas, or actions that are connected or related; (verb) to pass a thread through a needle or other small opening, in preparation for sewing or stitching
196. ev\_\_\_\_e over the past decade      *v.* to develop gradually, or to cause the development of something or someone gradually
197. political inv\_\_\_\_\_nt      *n.* the fact or condition of taking part in something, or the degree to which someone takes part in something
198. inn\_\_\_\_\_on leader      *n.* the creation of a new device or process resulting from study and experimentation
199. an int\_\_\_\_\_nce test      *n.* the ability to learn, comprehend, or make judgments or conclusions based on reasons
200. city and its vi\_\_\_\_\_ty      *n.* the area or region surrounding or in the general vicinity of a particular place or location; a nearby or neighboring region

ANSWERS: 193. conquer, 194. massive, 195. thread, 196. evolve, 197. involvement, 198. innovation, 199. intelligence, 200. vicinity



201. mo\_\_\_\_le behavior *n.* a group of two or more atoms held together by attractive forces known as chemical bonds
202. designed spe\_\_\_\_\_lly for men *adv.* only associated with or meant for one thing
203. a c\_\_e to the diagnosis *n.* an object, a piece of evidence, or some information that helps someone to find the answer to a problem, question, or mystery
204. with de\_\_\_\_t *n.* a feeling of great pleasure or happiness

ANSWERS: 201. molecule, 202. specifically, 203. clue, 204. delight

## Session 3: Fill in the Blanks

1. \_\_\_\_\_ displaced part of the mechanism.  
*n.* a continuous quick and slight shaking movement
  
2. The detective followed a \_\_\_\_\_ of clues which ultimately led to the suspect's arrest.  
*n.* a fine cord of natural or synthetic fibers or filaments, such as cotton or nylon, used in sewing, knitting, or weaving; a series of connected messages or comments on a social media platform or online forum, often related to a particular topic; a sequence or line of events, ideas, or actions that are connected or related; (verb) to pass a thread through a needle or other small opening, in preparation for sewing or stitching
  
3. They needed further \_\_\_\_\_ to perform their duties efficiently.  
*n.* detailed direction, order, etc., on how to do or use something
  
4. Their headquarters are in a \_\_\_\_\_ skyscraper.  
*adj.* of or belonging to the present time or recent times
  
5. She was playing a beautiful piece of music on the \_\_\_\_\_.  
*n.* a keyboard instrument with strings plucked by plectra rather than struck by hammers like a piano. It is known for its distinctive and bright sound; it was a common instrument in the Baroque and classical music periods
  
6. The \_\_\_\_\_ launch platform is visible from this hill.  
*n.* a large tube-shaped object that moves very fast by a stream of gases let out behind it, used for space travel or as a weapon
  
7. We went to the \_\_\_\_\_ park and rode roller coasters all day.  
*n.* the state or experience of finding something humorous or entertaining

ANSWERS: 1. Vibration, 2. thread, 3. instruction, 4. modern, 5. harpsichord, 6. rocket, 7. amusement

8. Eyeless fish \_\_\_\_\_ in dark caves.
- v. to develop gradually, or to cause the development of something or someone gradually
9. He couldn't \_\_\_\_\_ the actual value of the artwork.
- v. to judge or find out the amount or number of something by using mathematics
10. 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
11. You must \_\_\_\_\_ your anxiety about driving.
- v. to bring under control by force or authority
12. Bats reside in sheltered \_\_\_\_\_.
- n. a large hole in the side of a hill, cliff, mountain, or under the ground
13. We use adverbs to \_\_\_\_\_ verbs and adjectives.
- v. to change something slightly, such as a plan, option, law, etc., especially to make it more suitable for a particular purpose
14. They \_\_\_\_\_ customers with a premium for loyal patronage.
- v. to give someone support, confidence, or hope; to persuade someone to do or continue to do something by making it easier for them and making them believe it is a good thing to do
15. Please refrigerate the meat, or it will \_\_\_\_.
- v. to decay, or cause something to decay, naturally and gradually

ANSWERS: 8. evolved, 9. calculate, 10. hardware, 11. conquer, 12. caves, 13. modify, 14. encouraged, 15. rot

16. The exam was \_\_\_\_\_ tricky for everyone.

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

17. 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

18. The magician's act was \_\_\_\_\_ and kept the audience on the edge of their seats.

*adj.* providing enjoyment or amusement, especially through being lively or amusing

19. The \_\_\_\_\_ jets gradually dominate the world's airlines.

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

20. She hung the wet \_\_\_\_\_ on the clothesline to dry.

*n.* a piece of clothing, such as a dress, coat, or shirt

21. Human behavior has \_\_\_\_\_ characteristics.

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

22. The policies he announces can be the \_\_\_\_\_ of economic growth in the country.

*n.* a machine that converts thermal energy to mechanical work; something that has an important role used to achieve a purpose

23. She \_\_\_\_\_ the sore spot on her leg to ease the pain.

*v.* to move one's hand or an object over the surface of something with pressure

ANSWERS: 16. surprisingly, 17. intelligence, 18. entertaining, 19. giant, 20. garment, 21. fundamental, 22. engine, 23. rubbed

24. He gave his daughter a new \_\_\_\_ for her birthday.

*n.* a thing, typically a small model or replica of something that is played with, especially by children

25. He was accused of being \_\_\_\_\_ and not taking his responsibilities seriously.

*adj.* not serious or sensible; silly or unimportant

26. The software can \_\_\_\_\_ and decode encrypted messages.

*v.* to convert information into a code or format suitable for storage or transmission

27. 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

28. The \_\_\_\_\_ café had a charming atmosphere.

*adj.* of or from Paris, France; characteristic of Paris or its inhabitants

29. Folk music is now experiencing a \_\_\_\_\_.

*n.* a new growth in activity or enthusiasm in anything, particularly art, literature, or music

30. The plant will continue operating through an \_\_\_\_\_ system 24 hours a day.

*adj.* carried out by machines or computers to replace or decrease human labor

31. My mother's illness had a \_\_\_\_\_ impact on us all.

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

ANSWERS: 24. toy, 25. frivolous, 26. encode, 27. breakthroughs, 28. Parisian, 29. renaissance, 30. automated, 31. profound

32. The girl \_\_\_\_\_ a garland for her friend.
- v.* to make cloth, a carpet, a basket, etc., by repeatedly crossing a single thread through two sets of long threads at a right angle to them
33. The vegetarian burger was an \_\_\_\_\_ that quickly spread to the United Kingdom.
- n.* the creation of a new device or process resulting from study and experimentation
34. The police couldn't find a \_\_\_\_\_ to her whereabouts.
- n.* an object, a piece of evidence, or some information that helps someone to find the answer to a problem, question, or mystery
35. This electronic \_\_\_\_\_ is required to undergo periodic inspections to ensure precision.
- n.* an object used to make musical sounds, such as a piano, guitar, or drum; a tool or device used for a specific activity, particularly in specialist or scientific work
36. The incident \_\_\_\_\_ a political controversy.
- v.* to make something happen suddenly; to cause something such as a device, machine, etc. to function
37. He is \_\_\_\_\_ and can break down complex problems into manageable parts.
- adj.* relating to or using analysis (= the process of breaking down a complex system or concept into smaller, simpler parts to understand it better), or able to analyze
38. Five miles is \_\_\_\_\_ similar to eight kilometers.
- adv.* approximately but not precisely; with a violent manner

ANSWERS: 32. weaves, 33. innovation, 34. clue, 35. instrument, 36. triggered, 37. analytical, 38. roughly

39. The security camera has \_\_\_\_\_ four intruders.  
*v.* to find or recognize something, especially something difficult to see, hear, etc.
40. She was \_\_\_\_\_ from an old Italian noble family.  
*v.* to move downward and lower; to come from, or to be connected by a relationship of blood
41. 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
42. The minister decided to review its \_\_\_\_\_ public works projects.  
*adj.* exceedingly large or extensive; (noun) any of numerous extinct elephants widely distributed in the Pleistocene
43. Scientists studied the ancient \_\_\_\_\_ to learn more about the creature's anatomy.  
*n.* the structure of bones in a human or animal body, or a framework of bones or other material that supports a plant
44. In a \_\_\_\_\_ system, the outcome is uncertain and can vary based on chance.  
*adj.* characterized by the influence of chance or probability; involving the use of statistical models or methods to estimate likelihoods or risks
45. His hometown was where he first acquired the \_\_\_\_\_ of wood carving.  
*n.* an activity that requires a particular skill in making things with one's hands
46. One such rapidly growing \_\_\_\_\_ is quantum cryptography.  
*n.* an idea or principle associated with something abstract

ANSWERS: 39. detected, 40. descended, 41. molecule, 42. mammoth, 43. skeleton, 44. probabilistic, 45. craft, 46. concept

47. The old, rusty tools were now \_\_\_\_\_ and had to be thrown away.  
*adj.* not serving any useful purpose; having no practical result
48. Writing a research paper can be a \_\_\_\_\_ task.  
*adj.* requiring a significant amount of time or effort to complete
49. You can be more \_\_\_\_\_ and creative in your approach.  
*adj.* able to change or be changed to suit new conditions or situations; able to bend easily
50. Several cities are experiencing \_\_\_\_\_ high unemployment rates.  
*adv.* in a way that is very difficult to believe; exceedingly or extremely
51. The \_\_\_\_\_ sharp eyesight allows it to spot carrion from great distances.  
*n.* a large bird of prey with a bald head, sharp beak, and keen eyesight, feeding mainly on carrion (the flesh of dead animals)
52. The \_\_\_\_\_ of the dancers on stage was graceful and elegant.  
*n.* a group of people working together to achieve a shared goal, especially a political, social, or artistic one; the process of moving or being moved, physically or figuratively
53. The \_\_\_\_\_ of the local government in the project has been critical to its success.  
*n.* the fact or condition of taking part in something, or the degree to which someone takes part in something
54. Understanding unitary \_\_\_\_\_ of a normal matrix require considerable mathematical sophistication.  
*n.* a complete change in form, nature, or appearance of someone or something

ANSWERS: 47. useless, 48. time-consuming, 49. flexible, 50. incredibly, 51. vulture's, 52. movement, 53. involvement, 54. transformations



55. The company has shown an excellent growth \_\_\_\_\_ over the years.  
*n.* the curved path followed by an object moving through space
56. 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
57. The company specializes in both hardware and \_\_\_\_\_.  
*n.* a set of computer programs and associated documentation and data for doing particular computational jobs
58. The recent economic downturn has resulted in \_\_\_\_\_ layoffs.  
*adj.* enormous amount; very heavy and solid
59. He \_\_\_\_\_ the wall in anger.  
*v.* to strike someone or something with one's fist; to make a hole in something
60. The area in the \_\_\_\_\_ of the mall is known for its heavy traffic congestion.  
*n.* the area or region surrounding or in the general vicinity of a particular place or location; a nearby or neighboring region
61. The issue of divorce \_\_\_\_\_ large in his mind.  
*v.* to appear or take shape as a large, especially in a frightening way
62. I found an old \_\_\_\_\_ at a thrift store and used it to write my novel.  
*n.* a mechanical device used for writing, consisting of type keys that, when pressed, imprint ink onto paper or other writing material, mainly used before modern computers, printers, and word processors took over

ANSWERS: 55. trajectory, 56. inspired, 57. software, 58. massive, 59. punched, 60. vicinity, 61. loomed, 62. typewriter

63. The gas was trapped inside the \_\_\_\_\_ under high pressure.
- n.* a solid or hollow geometric figure with two round ends and long straight sides, or an object shaped like this
64. Please strike the "enter" on the \_\_\_\_\_.
- n.* device consisting of a set of keys on a piano, typewriter, computer, etc., that you press to make it work
65. 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
66. The \_\_\_\_\_ train was packed with commuters during rush hour.
- n.* a cylindrical container of metal, plastic, glass, etc., usually sealed and used as a means of preserving food or chemicals; a hollow cylindrical shape
67. The \_\_\_\_\_ solo in the symphony was beautiful and elevated the overall performance.
- n.* a musical instrument consisting of a metal, wood, or bamboo tube with a row of fingerholes and sometimes keys, played by blowing across a hole near one end
68. The bankruptcy of the giant conglomerate \_\_\_\_\_ turmoil in the stock market.
- v.* to start something or make it grow, especially suddenly; to emit a tiny piece of fire or electricity
69. The more \_\_\_\_\_ you are, the more people around you look at you with envy and jealousy.
- adj.* extremely clever, skilled, or impressive
70. He emphasized the \_\_\_\_\_ of immediate action.
- n.* the state or fact of being needed; anything indispensable

ANSWERS: 63. cylinders, 64. keyboard, 65. device, 66. tube, 67. flute, 68. sparked, 69. brilliant, 70. necessity

71. The election was a \_\_\_\_\_ success for the Whigs.  
*adj.* worthy of attention because unusual or special
72. The idea that aliens built the pyramids is \_\_\_\_\_.  
*adj.* absurd, ridiculous, or contrary to reason or common sense
73. My remote \_\_\_\_\_ immigrated to the United States from Ireland in the 1800s.  
*n.* a person from whom one is descended; a forefather
74. The deep sea \_\_\_\_\_ was unlike anything the scientists had ever seen before.  
*n.* a living being, especially an animal
75. I need a quiet \_\_\_\_\_ to concentrate on my project.  
*n.* a designated area or physical setting where work is performed, often in a business or office setting
76. I enjoy playing classical music on the \_\_\_\_\_ a keyboard instrument from the Baroque era.  
*n.* a keyboard instrument of the stringed family, popular in the 16th to 18th centuries, with a rectangular shape and strings that are sounded by brass tangents when the keys are depressed
77. These synthetic \_\_\_\_\_ are used in military vests because of their excellent abrasion resistance.  
*n.* cloth or other material produced by weaving wool, cotton, silk, etc., used for making clothes, covering furniture, etc.
78. The factory worker felt like an \_\_\_\_\_ performing the same task repeatedly.  
*n.* a machine or mechanism, often in the form of a human figure that is designed to move and behave in a pre-programmed or automatic way; someone who behaves in a mechanical or robot-like manner without independent thought or feeling

ANSWERS: 71. remarkable, 72. preposterous, 73. ancestor, 74. creature, 75. workspace, 76. clavichord, 77. fabrics, 78. automaton,

79. Don't \_\_\_\_\_ horses while crossing a stream.

*v.* to give something and receive something in trade

80. The \_\_\_\_\_ on the child's faces when they received the toy was priceless.

*n.* a feeling of great pleasure or happiness

81. Very few educational \_\_\_\_\_ go to Oxford or Cambridge.

*adj.* belonging to the wealthiest, most potent, best-educated, or best-trained group in a society

82. He that would eat the kernel must \_\_\_\_\_ the nut.

*v.* to break or cause to break without dividing into separate parts; (noun) a line on the surface of something along which it has separated without breaking

83. There are various hypotheses concerning the \_\_\_\_\_ of life.

*n.* the first existence or beginning of something

84. 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

85. The condo offers \_\_\_\_\_ access to the beach.

*adj.* not divided or shared with others

86. His poem has a very significant \_\_\_\_\_.

*n.* something that is inferred or indirectly stated; the act or fact of being involved in something

87. The \_\_\_\_\_ of getting the disease will drastically increase.

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

ANSWERS: 79. swap, 80. delight, 81. elites, 82. crack, 83. origin, 84. military, 85. exclusive, 86. implication, 87. possibility

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

*adj.* based on scientific and industrial progress

89. This initiative will be a \_\_\_\_\_ for increasing company sales.

*n.* a handle used to operate a vehicle or a machine; a rigid bar resting on a pivot so that one end of it can be pushed or pulled easily

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

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

91. 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

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

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

93. We elected him to \_\_\_\_\_ us at the international conference.

*v.* to speak, act, or be present on behalf of another person or group; to form or constitute

94. I will \_\_\_\_\_ my car before I go on a road trip.

*v.* to provide coverage in the event of loss or damage

95. Hounds \_\_\_\_\_ their prey by using their keen scent.

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

96. The athlete was able to \_\_\_\_\_ over the hurdle with ease.

*v.* to jump or spring into the air, often with the feet leaving the ground or a surface below; to move quickly or suddenly, often forward or upward

ANSWERS: 88. Technological, 89. lever, 90. invention, 91. rolled, 92. bunch, 93. represent, 94. insure, 95. hunt, 96. leap

97. This ad campaign is aimed \_\_\_\_\_ at young women.

*adv.* only associated with or meant for one thing

98. He has absolutely no \_\_\_\_\_ comprehension of maths.

*adj.* related to or founded on ideas, principles

99. The \_\_\_\_\_ by the citizen resulted in a redistribution of wealth.

*n.* a large-scale attempt to overthrow the government of a country, often using violence or war;

100. He continued to grow his empire through \_\_\_\_\_.

*n.* the act or process of taking control of a country, area, or situation

101. Before authorities \_\_\_\_\_ the protesters, they yelled slogans.

*v.* to spread out or distribute over a broad region, or to cause something to do so

102. The corporation \_\_\_\_\_ dominated the entire tobacco business.

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

ANSWERS: 97. specifically, 98. conceptual, 99. revolution, 100. conquest, 101. dispersed, 102. eventually