

# Englist.me



## Vocabulary Builder Reference from...

*Cathy Mulzer: The incredible chemistry powering your smartphone | TED Talk*

[https://www.ted.com/talks/cathy\\_mulzer\\_the\\_incredible\\_chemistry\\_powering\\_your\\_smartphone](https://www.ted.com/talks/cathy_mulzer_the_incredible_chemistry_powering_your_smartphone)

### All Words

#### IMPORTANT

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## Session 1: Word List

### waltz

- n.* a ballroom dance in triple time that originated in Vienna and is characterized by a flowing, graceful style and a strong accent on the first beat of each measure

*synonym:* ballroom dance, tango, foxtrot

- (1) **waltz** music, (2) elegant **waltz**

The dancers practiced the steps of the **waltz** meticulously to perfect their performance.

### replacement

- n.* the act of replacing something with something else, especially that is newer or better; a person or thing that takes or can take the place of another

*synonym:* alternate, substitute, backup

- (1) regular **replacement** of tires, (2) **replacement** cost

We demand his **replacement**.

### princess

- n.* the daughter of a monarch; the wife or widow of a prince; woman or girl considered to be particularly good or admirable

*synonym:* royal, noble, queen

- (1) crown **princess**, (2) a Royal **Princess**

The prince fell in love with the **princess** and asked her to marry him.

## walkie-talkie

*n.* a portable two-way radio communication device typically used for short-range voice communication

*synonym*: two-way radio, handheld radio

(1) two-way **walkie-talkie**, (2) **walkie-talkie** conversation

The security team uses an outdoor **walkie-talkie** to communicate with each other during events.

## pretension

*n.* the act of claiming or asserting something, especially without good reason or without evidence; an unfounded or excessive claim or ambition

*synonym*: presumption, pretense, affectation

(1) **pretension** to authority, (2) baseless **pretension**

His **pretensions** of being a gourmet were quickly exposed when he could not identify basic herbs and spices.

## backyard

*n.* a whole space behind and belonging to a house

*synonym*: courtyard, garden

(1) play in the **backyard**, (2) **backyard** barbecue

He grows vegetables in his **backyard**.

## 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.

## elf

*n.* a mythical creature typically depicted as a small, mischievous being with pointed ears and magical powers

*synonym*: sprite, pixie, faerie

(1) mischievous **elf**, (2) helpful **elf**

I dressed up as an **elf** for the Christmas party.

## workshop

*n.* a place where people work, especially one where they do manual or practical work; a brief intensive course for

a small group

*synonym*: studio, laboratory, atelier

(1) **workshop** attendee, (2) carpentry **workshop**

The artist held a **workshop** to teach students how to paint with watercolors.

## hood

*n.* a covering for the head and neck, especially one attached to a garment

*synonym*: hoodie, cowl, cloak

(1) **hood** ornament, (2) a silk **hood**

He pulled his waterproof **hood** up to protect himself from the rain.

## 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**.

## 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.

## silicon

*n.* a chemical element with the symbol Si that is a hard, brittle crystalline solid with a blue-grey metallic luster and used for the transistors and integrated circuit chips in computers

(1) **silicon** wafer, (2) crystalline **silicon**

**Silicon** is the second most abundant element on earth after oxygen.

## valley

*n.* a long depression on the surface of the land, which typically contains a river

*synonym*: canyon, gorge, dale

(1) **valley** bottom, (2) basin-shaped **valley**

The **valley** had received a mild snowfall the previous week.

## hack

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

*synonym*: cut, chop, crack

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

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

## atomic

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

*synonym*: tiny, microscopic, nuclear

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

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

## chemistry

*n.* the branch of the natural sciences dealing with the composition of substances and their properties and reactions

(1) professor of **chemistry**, (2) the **chemistry** of soil

He is familiar with **chemistry** and biology.

## hero

*n.* a person who is admired or idealized for courage, outstanding achievements, or noble qualities; a character in literature or history who is central to the plot and who exhibits heroic qualities

*synonym*: champion, protagonist, savior

(1) local **hero**, (2) unsung **hero**

The soldier who sacrificed his life for his country is considered a national **hero**.

## electron

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

*synonym*: negatron

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

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

## 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.

## convince

*v.* to persuade someone or make someone believe that something is true

*synonym*: persuade, win over, convert

(1) **convince** her to go with us, (2) **convince** an opponent

I am considering what I should do to **convince** him.

## insane

*adj.* extremely stupid, crazy, or dangerous; mentally ill

*synonym*: crazy, mad, foolish

(1) go **insane** with pleasure, (2) an **insane** scheme

Her excessive demands drove me **insane**.

## addictive

*adj.* causing a strong desire or compulsion to use or consume repeatedly, often to the point of dependency or harm; habit-forming

*synonym*: habit-forming, captivating, compelling

(1) highly **addictive**, (2) **addictive** substance

The new video game was so **addictive** that he stayed up all night playing it.

## superhighway

*n.* a large, wide road designed for high-speed traffic

*synonym*: expressway, motorway, artery

(1) six-lane **superhighway**, (2) a tollgate of a

**superhighway**

The University provides a wireless Internet **superhighway** to its students.

## shiny

*adj.* reflecting light and having a bright and smooth surface

*synonym*: polished, glossy, lustrous

(1) **shiny** surface, (2) **shiny** object

The **shiny** new car drew everyone's attention as it drove by.

## paperweight

*n.* a small, heavy object, often made of glass or metal, that is designed to hold down papers or other items on a desk or table; an object, usually an electronic device or piece of machinery, that is non-functional or useless for its intended purpose

*synonym*: desk weight, document holder

(1) metallic **paperweight**, (2) **paperweight** gift

The stained-glass **paperweight** added a pop of color to the desk.

## display

*v.* to exhibit or show something to others, often to attract attention or demonstrate its features, properties, or value

*synonym*: show, exhibit, present

(1) **display** merchandise, (2) **display** artwork

We need to **display** our products in an attractive way to attract customers.

## vivid

*adj.* producing very clear, powerful, and detailed images in the mind

*synonym*: intense, powerful, dazzling

(1) **vivid** colors, (2) still **vivid** in my memory

She made a **vivid** impression.

## organic

*adj.* of or derived from biological substance; producing plants and animals for food and other items without the use of synthetic chemicals

*synonym*: biological

(1) **organic** soils, (2) eat **organic** food

The kidney is an **organic** component of the body.

## polymer

*n.* a substance composed of macromolecules (= large groups of atoms) made from many smaller and simpler molecules

(1) **polymer** fiber, (2) biological **polymer**

We are developing plant-derived **polymers** to reduce environmental impact.

## **embedded**

*adj.* fixed firmly into the surface of something

*synonym*: ingrained, implanted, inserted

(1) **embedded** systems, (2) LED- **embedded** glass

The **embedded** chip in my credit card allows me to make contactless payments.

## **electrify**

*v.* to make a machine or system work by using electricity;  
to make someone extremely enthusiastic about or  
interested in something

*synonym*: wire, amaze, astonish

(1) **electrify** the audience, (2) **electrify** a manufacturing  
process

The product developed through years of research continues  
to **electrify** the market.

## **battery**

*n.* a device that is placed inside a car, gadget, equipment,  
etc. and that provides electrical power to them

*synonym*: electric cell, array, batch

(1) a dry **battery**, (2) **battery** charging

The engine did not start because the **battery** was flat.

## **intense**

*adj.* (especially of a feeling) very strong; extremely sharp or  
severe

*synonym*: extreme, fierce, harsh

(1) **intense** heat, (2) develop **intense** itching

That statement by the prime minister drew **intense**  
international criticism.

## **chemical**

*adj.* relating to or connected with chemistry;

*synonym*: chemic, synthetic

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

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

## principle

*n.* a fundamental law or truth that explains or controls how something happens or works

*synonym*: rule, creed, code

(1) **principle** of treatment, (2) **principle** in business

Efficiency isn't an essential **principle** here; fairness is.

## tradition

*n.* a belief, custom, or way of doing something that has been passed down from generation to generation within a group or society

*synonym*: custom, practice, ritual

(1) a **tradition** of a culture, (2) against **tradition**

It is a **tradition** in many families to have a big Thanksgiving dinner with all their relatives.

## electrode

*n.* either of two points or ends of a conductor at which electricity enters or leaves an object, substance, or region

(1) platinum **electrodes**, (2) **electrode** corrosion

It is important to place the **electrodes** in the correct position for accurate electro-cardiogram recording.

## footprint

*n.* a mark of a foot, shoe, or animal's foot left on a surface

*synonym*: footmark, imprint, impression

(1) **footprints** in the snow, (2) the **footprints** of an earlier civilization

We choose transportation that has a smaller carbon **footprint**.

## selfie

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

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

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

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

## recharge

*v.* to restore the energy or power of something by supplying it with more energy or power; to refresh or



renew oneself by rest or sleep

*synonym*: renew, refresh, replenish

(1) **recharge** brain and body, (2) **recharge** energy

He needed to **recharge** his phone before the meeting.

## tether

*v.* to tie or secure an animal, person, or object with a rope, chain, or other similar devices to prevent it from moving too far away; (noun) a rope or chain used to tie up or restrain an animal, such as a horse or dog

*synonym*: tie, fasten, secure

(1) **tether** a horse, (2) **tether** strap

The hiker **tethered** their dog to a tree while they camped for the night.

## electrical

*adj.* relating to electricity

(1) an **electrical** storm, (2) degree in **electrical** engineering

Actuators convert **electrical** pulses into motion.

## outlet

*n.* a means of release or expression, often for emotions or energy; a place of business that sells goods directly to customers; a device or opening through which something can flow out

*synonym*: opening, vent, aperture

(1) an **outlet** for water, (2) media **outlet**

The **outlet** in the bathroom was faulty, so I had to use a different one for my hair dryer.

## adhesive

*n.* a sticky substance used to hold things together

*synonym*: sticky, clingy, gluey

(1) **adhesive** ability, (2) **adhesive** tape

You'll need some solid **adhesive** to repair that chair.

## bind

*v.* to tie or fasten someone or something tightly with rope, string, etc. so that they cannot move or are held together strongly

*synonym*: tie, stick to, adhere

(1) **bind** the man's hands, (2) **bind** old letters into a bundle  
The company's rules **bind** the employee's working hours.

## withstand

*v.* to resist the effect or impact of something

*synonym*: endure, bear, resist

(1) **withstand** pressure, (2) **withstand** temptation

The new phone is waterproof and can **withstand** being dropped in water.

## frequent

*adj.* happening constantly

*synonym*: periodic, recurring, routine

(1) **frequent** absence, (2) **frequent** use

His heartaches are less **frequent** now.

## millennium

*n.* a span of 1000 years, or the 1000th anniversary (plural: millennia)

(1) past **millennium**, (2) **millennium** bottle of wine

Our world is in the third **millennium**.

## 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.

## brain

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

*synonym*: intellect, mind, encephalon

(1) basic **brain** function, (2) permanent **brain** damage

X-rays revealed a small tumor in his **brain**.

## component

*n.* one of several parts that combines with others to form something bigger

*synonym* : element, part, factor

(1) key **component**, (2) spare **components** for cars

The researchers try to discover a common **component** in all types of successful organizations.

## circuit

*n.* (in electrical engineering) an electrical device that provides a path for electrical current to flow; a journey or route around a particular place or area

*synonym* : route, course, rotation

(1) **circuit** breaker, (2) federal **circuit** courts

An intelligent battery has a voltage monitoring **circuit**.

## prefer

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

*synonym* : choose, like, favor

(1) **prefer** physics to chemistry, (2) **prefer** a window seat

The birds **prefer** open water areas with reeds around them.

## biology

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

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

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

## metaphor

*n.* a figure of speech in which an expression is used to refer to something that it does not denote to suggest a similarity

*synonym* : conceit, analogy, symbol

(1) **metaphor** for death, (2) visual **metaphor**

She expressed her thought in an artful choice of **metaphors**.

## motherboard

*n.* the main circuit board in a computer or other electronic device that contains the central processing unit (CPU), memory, and other essential components that allow the device to function

*synonym* : mainboard

(1) **motherboard** upgrade, (2) faulty **motherboard**

The performance of a computer largely depends on the quality of the **motherboard**.

## beneath

*adv.* in or to a lower place than someone or something

*synonym*: down, under, low

(1) the ground **beneath** my feet, (2) **beneath** contempt  
A great stretch of the lake lay **beneath** them.

## sleek

*adj.* smooth and glossy in appearance or texture;  
streamlined and elegant in design or form; characterized  
by a polished or refined style or appearance

*synonym*: glossy, streamlined, polished

(1) **sleek** car, (2) **sleek** black dress

The car's **sleek**, aerodynamic design made it look fast even when standing still.

## praise

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

*synonym*: acclaim, honor, commendation

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

The drama series mainly received **praise**.

## deserve

*v.* to be worthy of or entitled to something, especially something good or valuable

*synonym*: merit, earn, justify

(1) **deserve** respect, (2) **deserve** this prize

The employee **deserved** the promotion for their hard work and dedication.

## transistor

*n.* a semiconductor device that can be used to amplify or switch electronic signals and power which is an essential component in modern electronics

*synonym*: semiconductor, microchip, circuit

(1) **transistor** radio, (2) **transistor** circuit

The invention of the **transistor** revolutionized the field of electronics.

## chip

*n.* a small fragment of something broken off from the whole; a long and thin piece of potato fried in oil or fat

*synonym*: flake, fragment, chunk

(1) a **chip** of wood, (2) I don't care a **chip**

We can use this campaign as a bargaining **chip** in the negotiations.

## capacitor

*n.* a device that is placed inside electronic equipment such as televisions and radios and that stores electrical charge

*synonym*: condenser

(1) **capacitor** load, (2) AC **capacitor**

Hundreds of ceramic **capacitors** are used in a single smartphone.

## resist

*v.* to refuse to accept something and attempt to prevent it from happening

*synonym*: fight, defy, revolt

(1) **resist** temptation, (2) **resist** being kissed

I chose to **resist** cancer by trying every possible treatment.

## 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.

## spool

*n.* a cylindrical device with a flange at one or both ends, containing a hollow center and used to wind or store wire, thread, tape, film, or other flexible materials

*synonym*: bobbin, reel, cylinder

(1) **spool** pin, (2) **spool** of tape

I need a new **spool** of thread for my sewing machine.

- clip**
- n.* a small metal or plastic device used for holding an object or objects together or in place; a short part of electronic media, either an audio clip or video clip
- synonym*: buckle, hook, pin
- (1) tie **clip**, (2) short video **clip**
- He fastens some sheets of paper with a **clip**.
- rely**
- v.* to require a specific thing or the assistance and support of someone or something to continue, run properly, or succeed.
- synonym*: depend, count, lean
- (1) **rely** on convenience stores, (2) **rely** entirely on him
- Babies heavily **rely** on others for food.
- posit**
- v.* to suggest or accept something as fact or as a basis for argument or consideration
- synonym*: assert, declare, assume
- (1) **posit** the existence of life after death, (2) **posit** the premise
- We should **posit** several hypotheses to discuss the matter.
- sphere**
- n.* a round object or geometric shape that is three-dimensional and symmetrical around a central point; a particular aspect or scope of life or activity
- synonym*: ball, globe, scope
- (1) **sphere** of influence, (2) business **sphere**
- The **sphere** of the earth is divided into several layers including the crust, mantle, and core.
- insulate**
- v.* to protect something by interposing material that prevents heat, noise, electricity, etc.
- synonym*: isolate, protect, seclude
- (1) **insulate** the room from sound, (2) **insulate** electricity
- We had our bedroom **insulated** before winter came.
- negative**
- adj.* having the quality of something bad or harmful; expressing refusal

*synonym*: minus, adverse, pessimistic

(1) have a **negative** effect, (2) a **negative** number

The movie has received almost universally **negative** criticism.

## formaldehyde

*n.* a colorless, flammable liquid with a strong, pungent smell used as a preservative and in the manufacture of various products

*synonym*: methanal

(1) **formaldehyde** solution, (2) **formaldehyde** odor

Exposure to high levels of **formaldehyde** can irritate the eyes, nose, and throat, as well as respiratory problems and cancer.

## distinct

*adj.* noticeable from something else of a similar type

*synonym*: different, special, characteristic

(1) **distinct** difference, (2) **distinct** from each other

It is essential to keep these two issues **distinct**.

## odor

*n.* a distinctive or unpleasant smell; a scent or aroma that can be sensed through the sense of smell

*synonym*: smell, aroma, fragrance

(1) **odor** control, (2) pleasant **odor**

The **odor** from the trash can was unbearable, so I had to take it out.

## preserve

*v.* to keep or maintain a particular quality, feature, etc., especially to prevent it from decaying, being damaged, or being destroyed

*synonym*: conserve, care for, maintain

(1) **preserve** my strength, (2) **preserve** a country's heritage

They worked hard to **preserve** the nature of their native lands.

## redox

*n.* a chemical reaction in which there is a transfer of electrons from one molecule to another, resulting in a change in the oxidation state (or degree of electron loss)

or gain) of one or more atoms

*synonym*: oxidation-reduction, electron transfer

(1) **redox** reaction, (2) **redox** equilibrium

In a **redox** process, one substance gains electrons while another loses them.

## metallic

*adj.* relating to or resembling metal; having a shiny, silvery, or reflective quality; characterized by strength, durability, or toughness

*synonym*: metal

(1) **metallic** taste, (2) **metallic** object

The jewelry shop featured a wide array of **metallic** accessories made of gold, silver, and copper.

## conduct

*v.* to organize and carry out a particular activity

*synonym*: behave, lead, carry on

(1) **conduct** a background check, (2) **conduct** research

Police will **conduct** random breath testing for drunk driving.

## shrink

*v.* to become smaller, or to make something smaller in size or amount

*synonym*: decrease, diminish, shy away

(1) **shrink** the tumor, (2) **shrink** with fear

This shirt will **shrink** in the wash.

## absolutely

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

*synonym*: completely, utterly, definitely

(1) **absolutely** against, (2) **absolutely** obsessed with the girl

I am **absolutely** opposed to his idea because of morality.

## pants

*n.* an item of clothing that covers the lower part of the body and each leg separately, typically with a waistband and two legs

*synonym*: trousers, breeches, slacks

(1) woolly **pants**, (2) pajama **pants**



I always wear **pants** when I go outside, even in the summer.

## **micron**

*n.* a unit of measurement equal to one-millionth of a meter, used for measuring the size of particles and microorganisms

*synonym*: micrometer

(1) **micron** measurements, (2) **micron** imaging

The width of a single human hair is around 100 **microns**.

## **nanoscale**

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

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

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

## **magic**

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

*synonym*: fascination, illusion, wizardry

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

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

## **electromagnetic**

*adj.* of or relating to the magnetism produced by electric charge in motion

(1) **electromagnetic** radiation, (2) **electromagnetic** properties

His hypothesis concerns the role of an **electromagnetic** field in human health.

## **ray**

*n.* a narrow line of light, heat, or another form of energy

*synonym*: beam, light, glimmer

(1) opaque to X- **rays**, (2) effect of cosmic **rays**

Gamma **rays** penetrate body tissues and cause cell damage.

## **accident**

*n.* an unfortunate event, especially one causing damage or injury

*synonym*: calamity, casualty, chance

(1) cause an **accident**, (2) injury in a car **accident**  
The **accident** partially destroyed my vehicle.

## **lithograph**

*n.* a printmaking process that involves creating a design on a flat stone or metal plate, transferring the design to paper using ink, and then printing multiple copies of the design

*synonym*: print, etching, engraving

(1) **lithograph** print, (2) limited edition **lithograph**  
The art gallery showcased a collection of colorful **lithographic** prints by renowned artists.

## **radiation**

*n.* the energy that comes from a nuclear reaction in the form of rays, waves, or particles and that can be hazardous to health

*synonym*: dissemination, emission, irradiation

(1) exposure to **radiation**, (2) electromagnetic **radiation**  
He tried every possible treatment, including chemotherapy and **radiation** therapy.

## **cram**

*v.* to force or try to fit a large amount of information into a short time, especially in preparation for an examination; to force or try to fit a large amount of something into a small space

*synonym*: stuff, pack, jam

(1) **cram** more circuits into chips, (2) **cram** five people into a car  
She had to **cram** for the final exam and stayed up all night studying.

## **substrate**

*n.* a substance or layer from which an organism grows and lives and by which an organism is supported; a substance on which an enzyme or ferment act

(1) a silicon **substrate**, (2) **substrate** cell  
Computational simulations help determine which **substrate** molecule is susceptible to change by specific enzymes.

## sensitive

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

*synonym* : exposed, susceptible, keen

(1) **sensitive** documents, (2) baby with **sensitive** skin

The teacher is very **sensitive** to children's feelings.

## mask

*v.* to conceal something; (noun) a covering that you wear over your face to hide it

*synonym* : disguise, camouflage, conceal

(1) **mask** body odor, (2) an oxygen **mask**

The politician tried to **mask** the corruption.

## feat

*n.* a notable or impressive achievement, especially one that requires great skill or bravery

*synonym* : achievement, accomplishment, exploit

(1) intellectual **feat**, (2) **feat** accomplishment

It is an incredible **feat** to climb Mount Everest, the highest mountain in the world.

## expose

*v.* to show something by uncovering it; to make something accessible to some action or influence

*synonym* : disclose, reveal, uncover

(1) **expose** a crime, (2) **expose** a person to risks

That newspaper **exposed** a political scandal in a big way.

## shadow

*n.* a dark area or shape cast by an object blocking the passage of light; an area in darkness or shade; a reflected image or copy of something; a person, activity, or influence that follows or accompanies someone or something closely and persistently, often in a secretive or ominous manner

*synonym* : shade, silhouette, outline

(1) **shadow** cast, (2) **shadow** puppetry

The tree cast a **shadow** over the picnic area, providing relief from the sun.

## reaction

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

*synonym*: response, reply, answer

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

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

## 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.

## exposed

- adj.* having no protection or shield from something, such as  
bad weather, attack, or criticism

*synonym*: endangered, revealed, disclosed

(1) **exposed** to radiation, (2) an **exposed** rock

Tech companies often employ **exposed** ducts and other materials in their office interiors.

## miniature

- adj.* being on a very small scale

*synonym*: mini, scaled-down, pint-sized

(1) **miniature** camera, (2) **miniature** version

He did complicated pen-and-ink drawings like medieval **miniatures**.

## convinced

- adj.* completely certain about something; having a strong  
belief or conviction in a particular religion

*synonym*: confident, positive, indoctrinated

(1) **convinced** of the idea, (2) **convinced** criminal

The public is **convinced** that the prime minister has committed fraud.

## wrap

- v.* to cover or enclose something entirely with paper, cloth, or other material

*synonym*: surround, cover, bandage

- (1) **wrap** a fish in foil, (2) **wrap** up a meeting

**Wrap** the bandage tightly around the injured arm.

## extract

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

*synonym*: excerpt, quote, distillation

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

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

## wireless

- adj.* of or relating a connection or communication that does not require a physical wire or cable, often through the use of radio waves or electromagnetic signals

*synonym*: cordless, radio

- (1) **wireless** access, (2) **wireless** charging

The office's **wireless** network allows employees to work from anywhere in the building.

## commerce

- n.* the activity of buying and selling things, especially on a large scale

*synonym*: trade, transaction, dealings

- (1) interstate **commerce**, (2) the local chamber of **commerce**

This company has invested heavily in Internet **commerce**.

## excite

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

*synonym*: thrill, exhilarate, animate

- (1) **excite** the crowd, (2) **excite** rebellion

The news of her promotion **excited** her.

## download

- v.* to transfer data or files from the Internet or computer network to a user's computer or device; (noun) the process of transferring data or information from a remote

or central computer to a local computer or device

*synonym*: load, save, transfer

(1) **download** files from the Internet, (2) **download** the assignment from the website

I need to **download** the latest update for my computer's operating system.

## opposed

*adj.* being completely different from something or disagreeing strongly with something

*synonym*: anti, averse, hostile

(1) two **opposed** characters, (2) absolutely **opposed** to abortion

I'm strongly **opposed** to that plan.

## plain

*adj.* without being decorated in any way; (Noun) a vast expanse of flat land with few trees

*synonym*: basic, straight, bare

(1) **plain** answer, (2) delta **plain**

The lowest lowland region is mostly flat **plain**.

## destination

*n.* the place to which someone or something is going or being sent; the ultimate purpose or goal of a journey or action

*synonym*: location, endpoint, target

(1) travel **destination**, (2) romantic **destinations**

I am excited to reach my **destination** and explore the new city finally.

## traditionally

*adv.* in accordance with tradition; typically or commonly done in a particular way

*synonym*: conventionally, commonly, generally

(1) **traditionally** accepted concept, (2) **traditionally** sung at a banquet

**Traditionally**, the ceremony was held outdoors.

## rough

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

*synonym*: inelegant, coarse, barbarian

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

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

## stick

*v.* to put something, usually a sharp object, into something; to restrict yourself to doing or using one certain thing and not change; (noun) a thin piece of wood or other material

*synonym*: pierce, adhere, stay

(1) **stick** a key in a lock, (2) fire **stick**

You **stick** a bill in the change machine, and the coins pop out.

## rip

*v.* to tear something or be torn violently or suddenly

*synonym*: tear, cut, slit

(1) **rip** a notebook apart, (2) **rip** a hole in the roof

During transit, the stuff may **rip** off the luggage tag.

## install

*v.* to fix furniture, a machine, or a piece of equipment into position so that it can be used; put into an office or a position

*synonym*: establish, inaugurate, lodge

(1) **install** a door, (2) **install** a chairperson

The new president was **installed** immediately after the national election.

## app

*n.* (abbreviation for application) software designed to run on smartphones and other mobile devices or inside a web browser on a PC

*synonym*: application, software

(1) killer **app**, (2) cannot log in to the **app**

The discovery of a critical bug caused the company to delay the **app's** release.

## complexity

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

*synonym*: intricacy, sophistication, elaboration

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

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

## drill

*n.* a tool or machine used for making round holes or driving fasteners; a training or practice

*synonym*: exercise, routine, training

(1) the **drill** hit the well, (2) fire **drill**

Several military **drill** programs have become popular methods of exercise.

## tunnel

*n.* an underground or underwater passage, typically for trains or cars

*synonym*: passageway, underground passage

(1) **tunnel** construction work, (2) **tunnel** disease

The workers had to dig through solid rock to create the vehicular **tunnel** allowing the cars to pass through the mountain.

## straight

*adj.* extending or moving in one direction without bending or curving; having no deviations

*synonym*: linear, honest, consecutive

(1) a **straight** line, (2) **straight** for two months

He was sick for five **straight** days.

## 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.

## underlying

*adj.* significant as a cause or basis of something but not immediately apparent or stated clearly

*synonym*: fundamental, latent, basic



(1) an **underlying** motive, (2) an **underlying** cause of an accident

The **underlying** principle of every business was identical.

## nook

*n.* a small corner, alcove, or recess, especially one in a room or garden providing a seat or space for quiet

*synonym*: niche, corner, alcove

(1) every **nook** and cranny, (2) breakfast **nook**

The kitchen **nook** was perfect for coffee and chatting with friends.

## cranny

*n.* a small, narrow opening or crack, especially in a wall or rock

*synonym*: crevice, nook, niche

(1) a **cranny** in the corner, (2) look in every nook and **cranny**

The mouse squeezed into the tiniest **cranny** of the wall to avoid being caught by the cat.

## latch

*n.* a device for holding a door or gate closed, typically a sliding bar or bolt

*synonym*: lock, catch, bolt

(1) set the **latch**, (2) **latch** mechanism

The **latch** on the gate was broken, so the cows got loose.

## structural

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

*synonym*: architectural, basic, anatomical

(1) **structural** analyses, (2) **structural** reorganization

The earthquake resulted in significant **structural** destruction.

## integrity

*n.* the quality of being honest and having strong moral principles; the state of being whole and undivided

*synonym*: honesty, honor, morality

(1) a person of **integrity**, (2) **integrity** of data

The company's reputation for honesty and **integrity** is highly

valued among its customers.

## glue

*n.* a sticky substance used for joining things together; a bonding agent made from animal or synthetic materials

*synonym*: adhesive, paste, gum

(1) **glue** stick, (2) epoxy **glue**

The carpenter applied **glue** to the cabinet joints before nailing them together.

## industrious

*adj.* hardworking, diligent, and persistent in effort

*synonym*: diligent, hardworking, assiduous

(1) **industrious** worker, (2) **industrious** student

He was known to be very **industrious** and would often work late into the night.

## inherent

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

*synonym*: intrinsic, natural, innate

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

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

## adhesion

*n.* the action or process of sticking to something; the physical force that holds surfaces together, especially in the case of two different materials that are in contact with each other

*synonym*: bonding, stickiness, constancy

(1) **adhesion** strength, (2) chemical **adhesion**

The **adhesion** of the duct tape to the surface was surprisingly strong.

## physicist

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

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

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

## skyrocket

*v.* to rapidly ascend to a very high level; increase rapidly;  
*synonym*: rocket, soar, shoot up

(1) **skyrocket** the cost, (2) price **skyrocketed**

Production has decreased, but costs and unemployment have **skyrocketed** dramatically.

## handle

*v.* to deal with a situation, problem, or strong emotion  
*synonym*: control, manage, deal with

(1) **handle** a precious object, (2) **handled** the incident

We all should learn how to **handle** stress.

## imaginary

*adj.* existing only in someone's mind

*synonym*: fictional, ideal, fantastical

(1) **imaginary** number, (2) **imaginary** pregnancy

Little children tend to have **imaginary** friends.

## peanut

*n.* a type of legume that grows underground and is widely cultivated and consumed as a food source

*synonym*: nut, groundnut, earthnut

(1) **peanut** butter, (2) the seed of a **peanut**

Some people have severe allergies to **peanuts** and must avoid them completely.

## allergy

*n.* a hypersensitivity disorder of the immune system, characterized by an exaggerated response to certain allergens, such as pollens, foods, and drugs

*synonym*: hypersensitivity, reaction

(1) food **allergy**, (2) **allergy** treatment

The **allergy** test helped to determine the cause of her symptoms.

## consume

*v.* to spend something, especially fuel, energy, or time, in a large amount

*synonym*: absorb, ingest, use up

(1) **consume** a large of alcohol, (2) **consume** electricity

A smaller car will **consume** less fuel.

## efficient

*adj.* performing at the highest level of productivity with the least wasted effort or resources; capable of achieving maximum output with minimum wasted effort, time, or materials

*synonym*: productive, effective, competent

(1) **efficient** operation, (2) energy- **efficient** appliances

The new washing machine is much more **efficient** than the old one.

## calorie

*n.* unit of heat defined as the quantity of heat required to raise the temperature of 1 gram of water by 1 degree Celsius at atmospheric pressure, used by nutritionists to measure how much energy food will produce

(1) **calorie** calculation, (2) reduce my **calorie** intake

It would be best if you burned off **calories** through vigorous exercise.

## pregnant

*adj.* having a baby or young animal developing in the uterus

*synonym*: expectant

(1) needs of **pregnant** women, (2) a silence **pregnant** with suspense

She vacated the position when she got **pregnant**.

## pound

*n.* the standard unit of money in the UK; the standard unit of weight equal to 16 ounces

(1) three-fourths of a **pound**, (2) thousands of **pounds**

The car's front bumper cost fifteen hundred **pounds**.

## atom

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

*synonym*: particle, element, fraction

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

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

## 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.

## decide

*v.* to make up someone's mind about something; to come to a conclusion or judgment after considering options

*synonym*: choose, determine, settle

(1) **decide** a question, (2) **decide** on a course of action

She couldn't **decide** whether to order the pizza or the pasta for dinner.

## sidekick

*n.* a person who is closely associated with and supports another person, especially in a work or professional capacity; a person who is a close and loyal companion

*synonym*: companion, helper, ally

(1) a detective's **sidekick**, (2) his best friend's **sidekick**

The superhero's **sidekick** was always there to help him.

## captain

*n.* the leader of a group of people, especially who is in charge of a ship or aircraft

*synonym*: boss, director, leader

(1) the **captain** of an opposing team, (2) **captain** of industry

The **captain** ordered the troops to fire.

## Session 2: Spelling

- |                                      |  |
|--------------------------------------|--|
| 1. basin-shaped va___y               | <i>n.</i> a long depression on the surface of the land, which typically contains a river   |
| 2. el_____fy a manufacturing process | <i>v.</i> to make a machine or system work by using electricity; to make someone extremely enthusiastic about or interested in something   |
| 3. tra_____or circuit                | <i>n.</i> a semiconductor device that can be used to amplify or switch electronic signals and power which is an essential component in modern electronics                                      |
| 4. a ma__c spell                     | <i>n.</i> beliefs and actions employed to influence supernatural beings and forces; any art or performance that invokes supernatural powers  |
| 5. a dry ba_____y                    | <i>n.</i> a device that is placed inside a car, gadget, equipment, etc. and that provides electrical power to them   |
| 6. inn_____on leader                 | <i>n.</i> the creation of a new device or process resulting from study and experimentation   |
| 7. helpful e_f                       | <i>n.</i> a mythical creature typically depicted as a small, mischievous being with pointed ears and magical powers  |
| 8. the ca_____n of an opposing team  | <i>n.</i> the leader of a group of people, especially who is in charge of a ship or aircraft   |
| 9. an ou___t for water               | <i>n.</i> a means of release or expression, often for emotions or energy; a place of business that sells goods directly to customers; a device or opening through which something can flow out |

ANSWERS: 1. valley, 2. electrify, 3. transistor, 4. magic, 5. battery, 6. innovation, 7. elf, 8. captain, 9. outlet

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|------------------------------------|--|
| 10. su_____te cell                 | <i>n.</i> a substance or layer from which an organism grows and lives and by which an organism is supported; a substance on which an enzyme or ferment act                                 |
| 11. sl__k black dress              | <i>adj.</i> smooth and glossy in appearance or texture; streamlined and elegant in design or form; characterized by a polished or refined style or appearance                              |
| 12. fr_____nt absence              | <i>adj.</i> happening constantly   |
| 13. st__k a key in a lock          | <i>v.</i> to put something, usually a sharp object, into something; to restrict yourself to doing or using one certain thing and not change; (noun) a thin piece of wood or other material |
| 14. b__d old letters into a bundle | <i>v.</i> to tie or fasten someone or something tightly with rope, string, etc. so that they cannot move or are held together strongly   |
| 15. a ne_____ve number             | <i>adj.</i> having the quality of something bad or harmful; expressing refusal   |
| 16. me_____ic taste                | <i>adj.</i> relating to or resembling metal; having a shiny, silvery, or reflective quality; characterized by strength, durability, or toughness   |
| 17. rep_____nt cost                | <i>n.</i> the act of replacing something with something else, especially that is newer or better; a person or thing that takes or can take the place of another                            |
| 18. co_____ed criminal             | <i>adj.</i> completely certain about something; having a strong belief or conviction in a particular religion  |

ANSWERS: 10. substrate, 11. sleek, 12. frequent, 13. stick, 14. bind, 15. negative, 16. metallic, 17. replacement, 18. convinced

- |                                   |   |
|-----------------------------------|---|
| 19. limited edition lit_____ph    | <i>n.</i> a printmaking process that involves creating a design on a flat stone or metal plate, transferring the design to paper using ink, and then printing multiple copies of the design |
| 20. professor of ch_____ry        | <i>n.</i> the branch of the natural sciences dealing with the composition of substances and their properties and reactions  |
| 21. 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  |
| 22. tra_____lly sung at a banquet | <i>adv.</i> in accordance with tradition; typically or commonly done in a particular way  |
| 23. an ele_____al storm           | <i>adj.</i> relating to electricity   |
| 24. delta pl__n                   | <i>adj.</i> without being decorated in any way;<br>(Noun) a vast expanse of flat land with few trees  |
| 25. mi_____re camera              | <i>adj.</i> being on a very small scale   |
| 26. tu___l disease                | <i>n.</i> an underground or underwater passage, typically for trains or cars  |
| 27. pr___r a window seat          | <i>v.</i> to like, choose, or want one thing or person better than another  |
| 28. fr_____nt use                 | <i>adj.</i> happening constantly  |
| 29. ef_____nt operation           | <i>adj.</i> performing at the highest level of productivity with the least wasted effort or resources; capable of achieving maximum output with minimum wasted effort, time, or materials   |

ANSWERS: 19. lithograph, 20. chemistry, 21. hardware, 22. traditionally, 23. electrical, 24. plain, 25. miniature, 26. tunnel, 27. prefer, 28. frequent, 29. efficient



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|---------------------------------|---|
| 30. talented ph_____st          | <i>n.</i> a scientist who specializes in the field of physics   |
| 31. opaque to X-r_ys            | <i>n.</i> a narrow line of light, heat, or another form of energy   |
| 32. a ch____al compound         | <i>adj.</i> relating to or connected with chemistry;  |
| 33. a st_____ht line            | <i>adj.</i> extending or moving in one direction without bending or curving; having no deviations   |
| 34. po_____r fiber              | <i>n.</i> a substance composed of macromolecules (= large groups of atoms) made from many smaller and simpler molecules   |
| 35. c__m five people into a car | <i>v.</i> to force or try to fit a large amount of information into a short time, especially in preparation for an examination; to force or try to fit a large amount of something into a small space       |
| 36. unsung h__o                 | <i>n.</i> a person who is admired or idealized for courage, outstanding achievements, or noble qualities; a character in literature or history who is central to the plot and who exhibits heroic qualities |
| 37. el_____de corrosion         | <i>n.</i> either of two points or ends of a conductor at which electricity enters or leaves an object, substance, or region   |
| 38. al_____y treatment          | <i>n.</i> a hypersensitivity disorder of the immune system, characterized by an exaggerated response to certain allergens, such as pollens, foods, and drugs  |

ANSWERS: 30. physicist, 31. ray, 32. chemical, 33. straight, 34. polymer, 35. cram, 36. hero, 37. electrode, 38. allergy

- |                                  |   |
|----------------------------------|---|
| 39. things at the na_____le      | <i>adj.</i> on a scale that can be measured in nanometres (= one billionth of a meter); on a very small scale                         |
| 40. LED-em_____ed glass          | <i>adj.</i> fixed firmly into the surface of something  |
| 41. co_____ce an opponent        | <i>v.</i> to persuade someone or make someone believe that something is true  |
| 42. pajama pa__s                 | <i>n.</i> an item of clothing that covers the lower part of the body and each leg separately, typically with a waistband and two legs |
| 43. travel des_____on            | <i>n.</i> the place to which someone or something is going or being sent; the ultimate purpose or goal of a journey or action         |
| 44. visual me_____or             | <i>n.</i> a figure of speech in which an expression is used to refer to something that it does not denote to suggest a similarity     |
| 45. im_____ry pregnancy          | <i>adj.</i> existing only in someone's mind   |
| 46. mi_____n measurements        | <i>n.</i> a unit of measurement equal to one-millionth of a meter, used for measuring the size of particles and microorganisms        |
| 47. pleasant o__r                | <i>n.</i> a distinctive or unpleasant smell; a scent or aroma that can be sensed through the sense of smell                           |
| 48. pr____r physics to chemistry | <i>v.</i> to like, choose, or want one thing or person better than another  |

ANSWERS: 39. nanoscale, 40. embedded, 41. convince, 42. pants, 43. destination, 44. metaphor, 45. imaginary, 46. micron, 47. odor, 48. prefer

- |                                   |  |
|-----------------------------------|--|
| 49. mi_____re version             | <i>adj.</i> being on a very small scale  |
| 50. w__p a fish in foil           | <i>v.</i> to cover or enclose something entirely with paper, cloth, or other material  |
| 51. c__m more circuits into chips | <i>v.</i> to force or try to fit a large amount of information into a short time, especially in preparation for an examination; to force or try to fit a large amount of something into a small space  |
| 52. fire st__k                    | <i>v.</i> to put something, usually a sharp object, into something; to restrict yourself to doing or using one certain thing and not change; (noun) a thin piece of wood or other material   |
| 53. sh___w cast                   | <i>n.</i> a dark area or shape cast by an object blocking the passage of light; an area in darkness or shade; a reflected image or copy of something; a person, activity, or influence that follows or accompanies someone or something closely and persistently, often in a secretive or ominous manner |
| 54. three-fourths of a po__d      | <i>n.</i> the standard unit of money in the UK; the standard unit of weight equal to 16 ounces   |
| 55. in_____ty of data             | <i>n.</i> the quality of being honest and having strong moral principles; the state of being whole and undivided   |
| 56. se___e stick                  | <i>n.</i> a photograph that one has taken of oneself, typically one taken with a smartphone or webcam to share on social media   |

ANSWERS: 49. miniature, 50. wrap, 51. cram, 52. stick, 53. shadow, 54. pound, 55. integrity, 56. selfie

- |                                 |  |
|---------------------------------|--|
| 57. have an in_____nt dislike   | <i>adj.</i> existing in something as a permanent, essential, or characteristic attribute   |
| 58. ind_____us student          | <i>adj.</i> hardworking, diligent, and persistent in effort  |
| 59. a person of in_____ty       | <i>n.</i> the quality of being honest and having strong moral principles; the state of being whole and undivided   |
| 60. wi_____ss access            | <i>adj.</i> of or relating a connection or communication that does not require a physical wire or cable, often through the use of radio waves or electromagnetic signals   |
| 61. attain critical pr____e     | <i>n.</i> an expression that shows approval and admiration of the achievements or characteristics of someone or something  |
| 62. cognitive com_____ty        | <i>n.</i> the state or quality of being complicated or intricate and difficult to understand   |
| 63. te____r a horse             | <i>v.</i> to tie or secure an animal, person, or object with a rope, chain, or other similar devices to prevent it from moving too far away; (noun) a rope or chain used to tie up or restrain an animal, such as a horse or dog |
| 64. highly ad_____ve            | <i>adj.</i> causing a strong desire or compulsion to use or consume repeatedly, often to the point of dependency or harm; habit-forming  |
| 65. his best friend's si_____ck | <i>n.</i> a person who is closely associated with and supports another person, especially in a work or professional capacity; a person who is a close and loyal companion  |

ANSWERS: 57. inherent, 58. industrious, 59. integrity, 60. wireless, 61. praise, 62. complexity, 63. tether, 64. addictive, 65. sidekick

- |                                  |  |
|----------------------------------|--|
| 66. in____te the room from sound | <i>v.</i> to protect something by interposing material that prevents heat, noise, electricity, etc.  |
| 67. botanical ex____t            | <i>n.</i> a short passage taken from a book, piece of music, etc.; a substance obtained from something through a specific process; (verb) to obtain from something or to remove something by effort or force |
| 68. chemical re____on            | <i>n.</i> a response that reveals a person's feelings or attitude; (in chemistry) a process in which one or more substances are changed into others  |
| 69. el____fy the audience        | <i>v.</i> to make a machine or system work by using electricity; to make someone extremely enthusiastic about or interested in something   |
| 70. ex____e a person to risks    | <i>v.</i> to show something by uncovering it; to make something accessible to some action or influence   |
| 71. sp__l pin                    | <i>n.</i> a cylindrical device with a flange at one or both ends, containing a hollow center and used to wind or store wire, thread, tape, film, or other flexible materials                                 |
| 72. wa__z music                  | <i>n.</i> a ballroom dance in triple time that originated in Vienna and is characterized by a flowing, graceful style and a strong accent on the first beat of each measure                                  |
| 73. the dr__l hit the well       | <i>n.</i> a tool or machine used for making round holes or driving fasteners; a training or practice   |

ANSWERS: 66. insulate, 67. extract, 68. reaction, 69. electrify, 70. expose, 71. spool, 72. waltz, 73. drill

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|----------------------------|---|
| 74. I don't care a c__p    | <i>n.</i> a small fragment of something broken off from the whole; a long and thin piece of potato fried in oil or fat  |
| 75. two op____d characters | <i>adj.</i> being completely different from something or disagreeing strongly with something  |
| 76. ele_____tic radiation  | <i>adj.</i> of or relating to the magnetism produced by electric charge in motion   |
| 77. cause an ac____nt      | <i>n.</i> an unfortunate event, especially one causing damage or injury   |
| 78. elegant wa__z          | <i>n.</i> a ballroom dance in triple time that originated in Vienna and is characterized by a flowing, graceful style and a strong accent on the first beat of each measure |
| 79. a c__p of wood         | <i>n.</i> a small fragment of something broken off from the whole; a long and thin piece of potato fried in oil or fat  |
| 80. f__t accomplishment    | <i>n.</i> a notable or impressive achievement, especially one that requires great skill or bravery  |
| 81. h__k into the program  | <i>v.</i> to hit and cut somebody or something roughly and violently; to find a bug in a computer program and break into their systems or networks                          |
| 82. wi_____nd temptation   | <i>v.</i> to resist the effect or impact of something   |
| 83. so____re architect     | <i>n.</i> a set of computer programs and associated documentation and data for doing particular computational jobs  |

ANSWERS: 74. chip, 75. opposed, 76. electromagnetic, 77. accident, 78. waltz, 79. chip, 80. feat, 81. hack, 82. withstand, 83. software

- |                                 |  |
|---------------------------------|--|
| 84. sh___k the tumor            | <i>v.</i> to become smaller, or to make something smaller in size or amount  |
| 85. two-way wal_____kie         | <i>n.</i> a portable two-way radio communication device typically used for short-range voice communication   |
| 86. permanent br___n damage     | <i>n.</i> the organ inside the head that is responsible for one's movement, thought, memory, and feeling   |
| 87. se_____ve documents         | <i>adj.</i> able to notice slight changes, signals, or influences; able to feel or perceive other's feelings; susceptible to the things people say or do |
| 88. at___c bomb                 | <i>adj.</i> of or relating to atom (= the smallest component of an element)  |
| 89. against tr_____on           | <i>n.</i> a belief, custom, or way of doing something that has been passed down from generation to generation within a group or society                  |
| 90. develop in_____e itching    | <i>adj.</i> (especially of a feeling) very strong; extremely sharp or severe   |
| 91. in_____l a door             | <i>v.</i> to fix furniture, a machine, or a piece of equipment into position so that it can be used; put into an office or a position                    |
| 92. r___y on convenience stores | <i>v.</i> to require a specific thing or the assistance and support of someone or something to continue, run properly, or succeed.                       |
| 93. spare co_____nts for cars   | <i>n.</i> one of several parts that combines with others to form something bigger  |

ANSWERS: 84. shrink, 85. walkie-talkie, 86. brain, 87. sensitive, 88. atomic, 89. tradition, 90. intense, 91. install, 92. rely, 93. component

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| 94. federal ci____t courts           | <i>n.</i> (in electrical engineering) an electrical device that provides a path for electrical current to flow; a journey or route around a particular place or area |
| 95. for____yde solution              | <i>n.</i> a colorless, flammable liquid with a strong, pungent smell used as a preservative and in the manufacture of various products                               |
| 96. wal____kie conversation          | <i>n.</i> a portable two-way radio communication device typically used for short-range voice communication   |
| 97. interstate co____ce              | <i>n.</i> the activity of buying and selling things, especially on a large scale   |
| 98. injury in a car ac____nt         | <i>n.</i> an unfortunate event, especially one causing damage or injury  |
| 99. business sp____e                 | <i>n.</i> a round object or geometric shape that is three-dimensional and symmetrical around a central point; a particular aspect or scope of life or activity       |
| 100. co____ce her to go with us      | <i>v.</i> to persuade someone or make someone believe that something is true   |
| 101. ha____e a precious object       | <i>v.</i> to deal with a situation, problem, or strong emotion   |
| 102. degree in ele____al engineering | <i>adj.</i> relating to electricity  |
| 103. po__t the premise               | <i>v.</i> to suggest or accept something as fact or as a basis for argument or consideration   |
| 104. pr____le in business            | <i>n.</i> a fundamental law or truth that explains or controls how something happens or works  |

ANSWERS: 94. circuit, 95. formaldehyde, 96. walkie-talkie, 97. commerce, 98. accident, 99. sphere, 100. convince, 101. handle, 102. electrical, 103. posit, 104. principle



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| 105. media ou__t             | <i>n.</i> a means of release or expression, often for emotions or energy; a place of business that sells goods directly to customers; a device or opening through which something can flow out |
| 106. tu__l construction work | <i>n.</i> an underground or underwater passage, typically for trains or cars   |
| 107. re____ge brain and body | <i>v.</i> to restore the energy or power of something by supplying it with more energy or power; to refresh or renew oneself by rest or sleep  |
| 108. a Royal Pr____ss        | <i>n.</i> the daughter of a monarch; the wife or widow of a prince; woman or girl considered to be particularly good or admirable  |
| 109. have a ne____ve effect  | <i>adj.</i> having the quality of something bad or harmful; expressing refusal   |
| 110. eat or____c food        | <i>adj.</i> of or derived from biological substance; producing plants and animals for food and other items without the use of synthetic chemicals  |
| 111. ex___e a crime          | <i>v.</i> to show something by uncovering it; to make something accessible to some action or influence   |
| 112. com____ty theory        | <i>n.</i> the state or quality of being complicated or intricate and difficult to understand   |
| 113. ex____d to radiation    | <i>adj.</i> having no protection or shield from something, such as bad weather, attack, or criticism   |

ANSWERS: 105. outlet, 106. tunnel, 107. recharge, 108. princess, 109. negative, 110. organic, 111. expose, 112. complexity, 113. exposed

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| 114. si____n wafer                 | <i>n.</i> a chemical element with the symbol Si that is a hard, brittle crystalline solid with a blue-grey metallic luster and used for the transistors and integrated circuit chips in computers |
| 115. mi____n imaging               | <i>n.</i> a unit of measurement equal to one-millionth of a meter, used for measuring the size of particles and microorganisms  |
| 116. a cr____y in the corner       | <i>n.</i> a small, narrow opening or crack, especially in a wall or rock  |
| 117. food al____y                  | <i>n.</i> a hypersensitivity disorder of the immune system, characterized by an exaggerated response to certain allergens, such as pollens, foods, and drugs                                      |
| 118. mil____um bottle of wine      | <i>n.</i> a span of 1000 years, or the 1000th anniversary (plural: millennia)   |
| 119. de____e a question            | <i>v.</i> to make up someone's mind about something; to come to a conclusion or judgment after considering options  |
| 120. basic br____n function        | <i>n.</i> the organ inside the head that is responsible for one's movement, thought, memory, and feeling  |
| 121. wi____ss charging             | <i>adj.</i> of or relating a connection or communication that does not require a physical wire or cable, often through the use of radio waves or electromagnetic signals                          |
| 122. pr____ve a country's heritage | <i>v.</i> to keep or maintain a particular quality, feature, etc., especially to prevent it from decaying, being damaged, or being destroyed  |

ANSWERS: 114. silicon, 115. micron, 116. cranny, 117. allergy, 118. millennium, 119. decide, 120. brain, 121. wireless, 122. preserve

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| 123. faulty mot_____rd                 | <i>n.</i> the main circuit board in a computer or other electronic device that contains the central processing unit (CPU), memory, and other essential components that allow the device to function                              |
| 124. mischievous e_f                   | <i>n.</i> a mythical creature typically depicted as a small, mischievous being with pointed ears and magical powers  |
| 125. re___t being kissed               | <i>v.</i> to refuse to accept something and attempt to prevent it from happening   |
| 126. she is ma__c                      | <i>n.</i> beliefs and actions employed to influence supernatural beings and forces; any art or performance that invokes supernatural powers  |
| 127. cannot log in to the a_p          | <i>n.</i> (abbreviation for application) software designed to run on smartphones and other mobile devices or inside a web browser on a PC  |
| 128. for_____yde odor                  | <i>n.</i> a colorless, flammable liquid with a strong, pungent smell used as a preservative and in the manufacture of various products   |
| 129. do_____ad files from the Internet | <i>v.</i> to transfer data or files from the Internet or computer network to a user's computer or device; (noun) the process of transferring data or information from a remote or central computer to a local computer or device |
| 130. me_____ic object                  | <i>adj.</i> relating to or resembling metal; having a shiny, silvery, or reflective quality; characterized by strength, durability, or toughness   |

ANSWERS: 123. motherboard, 124. elf, 125. resist, 126. magic, 127. app, 128. formaldehyde, 129. download, 130. metallic

131. co_____ed of the idea	<i>adj.</i> completely certain about something; having a strong belief or conviction in a particular religion
132. vi__d colors	<i>adj.</i> producing very clear, powerful, and detailed images in the mind
133. m__k body odor	<i>v.</i> to conceal something; (noun) a covering that you wear over your face to hide it
134. flow of el_____ons	<i>n.</i> a tiny particle with the negative electrical charge
135. effect of cosmic r_ys	<i>n.</i> a narrow line of light, heat, or another form of energy
136. biological po_____r	<i>n.</i> a substance composed of macromolecules (= large groups of atoms) made from many smaller and simpler molecules
137. abs_____ly obsessed with the girl	<i>adv.</i> without restriction or limitation; completely or utterly
138. crown pr_____ss	<i>n.</i> the daughter of a monarch; the wife or widow of a prince; woman or girl considered to be particularly good or admirable
139. 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
140. baseless pre_____on	<i>n.</i> the act of claiming or asserting something, especially without good reason or without evidence; an unfounded or excessive claim or ambition

ANSWERS: 131. convinced, 132. vivid, 133. mask, 134. electron, 135. ray, 136. polymer, 137. absolutely, 138. princess, 139. communicate, 140. pretension

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| 141. universal pr___e        | <i>n.</i> an expression that shows approval and admiration of the achievements or characteristics of someone or something                          |
| 142. ind_____us worker       | <i>adj.</i> hardworking, diligent, and persistent in effort  |
| 143. toxic ch_____als        | <i>adj.</i> relating to or connected with chemistry;   |
| 144. neutral hydrogen a__ms  | <i>n.</i> the smallest unit of ordinary matter that forms a chemical element, composed of a nucleus and one or more electrons bound to the nucleus |
| 145. in_____l a chairperson  | <i>v.</i> to fix furniture, a machine, or a piece of equipment into position so that it can be used; put into an office or a position              |
| 146. ad_____ve ability       | <i>n.</i> a sticky substance used to hold things together  |
| 147. cutting-edge inn_____on | <i>n.</i> the creation of a new device or process resulting from study and experimentation   |
| 148. co_____e electricity    | <i>v.</i> to spend something, especially fuel, energy, or time, in a large amount  |
| 149. ba_____y charging       | <i>n.</i> a device that is placed inside a car, gadget, equipment, etc. and that provides electrical power to them                                 |
| 150. di_____y artwork        | <i>v.</i> to exhibit or show something to others, often to attract attention or demonstrate its features, properties, or value                     |
| 151. ex___e the crowd        | <i>v.</i> to make someone feel suddenly enthusiastic or eager  |

ANSWERS: 141. praise, 142. industrious, 143. chemical, 144. atom, 145. install, 146. adhesive, 147. innovation, 148. consume, 149. battery, 150. display, 151. excite

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| 152. in____te electricity     | <i>v.</i> to protect something by interposing material that prevents heat, noise, electricity, etc.  |
| 153. intellectual f__t        | <i>n.</i> a notable or impressive achievement, especially one that requires great skill or bravery   |
| 154. tie c__p                 | <i>n.</i> a small metal or plastic device used for holding an object or objects together or in place; a short part of electronic media, either an audio clip or video clip |
| 155. wo____op attendee        | <i>n.</i> a place where people work, especially one where they do manual or practical work; a brief intensive course for a small group                                     |
| 156. carpentry wo____op       | <i>n.</i> a place where people work, especially one where they do manual or practical work; a brief intensive course for a small group                                     |
| 157. be____h contempt         | <i>adv.</i> in or to a lower place than someone or something   |
| 158. the seed of a pe__t      | <i>n.</i> a type of legume that grows underground and is widely cultivated and consumed as a food source   |
| 159. ex___e rebellion         | <i>v.</i> to make someone feel suddenly enthusiastic or eager  |
| 160. in_____pt a call         | <i>v.</i> to say or do something that causes someone to stop in their speech or action   |
| 161. di____ct from each other | <i>adj.</i> noticeable from something else of a similar type   |

ANSWERS: 152. insulate, 153. feat, 154. clip, 155. workshop, 156. workshop, 157. beneath, 158. peanut, 159. excite, 160. interrupt, 161. distinct

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| 162. pe___t butter               | <i>n.</i> a type of legume that grows underground and is widely cultivated and consumed as a food source  |
| 163. tracking de___e             | <i>n.</i> a piece of equipment, tool, or technology that serves a particular purpose or function, often mechanical or electronic  |
| 164. in_____nt risk              | <i>adj.</i> existing in something as a permanent, essential, or characteristic attribute  |
| 165. energy-ef_____nt appliances | <i>adj.</i> performing at the highest level of productivity with the least wasted effort or resources; capable of achieving maximum output with minimum wasted effort, time, or materials |
| 166. va___y bottom               | <i>n.</i> a long depression on the surface of the land, which typically contains a river  |
| 167. na_____le device            | <i>adj.</i> on a scale that can be measured in nanometres (= one billionth of a meter); on a very small scale   |
| 168. w__p up a meeting           | <i>v.</i> to cover or enclose something entirely with paper, cloth, or other material   |
| 169. electromagnetic ra_____on   | <i>n.</i> the energy that comes from a nuclear reaction in the form of rays, waves, or particles and that can be hazardous to health  |
| 170. or_____c soils              | <i>adj.</i> of or derived from biological substance; producing plants and animals for food and other items without the use of synthetic chemicals   |

ANSWERS: 162. peanut, 163. device, 164. inherent, 165. efficient, 166. valley, 167. nanoscale, 168. wrap, 169. radiation, 170. organic

171. sl\_\_k car *adj.* smooth and glossy in appearance or texture; streamlined and elegant in design or form; characterized by a polished or refined style or appearance
172. a silicon su\_\_\_\_\_te *n.* a substance or layer from which an organism grows and lives and by which an organism is supported; a substance on which an enzyme or ferment act
173. ro\_\_h estimation *adj.* not quite exact or correct; having or caused by an irregular surface
174. ha\_\_\_ed the incident *v.* to deal with a situation, problem, or strong emotion
175. re\_\_\_\_\_ge energy *v.* to restore the energy or power of something by supplying it with more energy or power; to refresh or renew oneself by rest or sleep
176. epoxy g\_\_e *n.* a sticky substance used for joining things together; a bonding agent made from animal or synthetic materials
177. co\_\_\_\_\_t a background check *v.* to organize and carry out a particular activity
178. ca\_\_\_\_\_n of industry *n.* the leader of a group of people, especially who is in charge of a ship or aircraft
179. still vi\_\_d in my memory *adj.* producing very clear, powerful, and detailed images in the mind
180. thousands of po\_\_ds *n.* the standard unit of money in the UK; the standard unit of weight equal to 16 ounces

ANSWERS: 171. sleek, 172. substrate, 173. rough, 174. handle, 175. recharge, 176. glue, 177. conduct, 178. captain, 179. vivid, 180. pound



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| 181. killer a_p                                | <i>n.</i> (abbreviation for application) software designed to run on smartphones and other mobile devices or inside a web browser on a PC  |
| 182. pr____ve my strength                      | <i>v.</i> to keep or maintain a particular quality, feature, etc., especially to prevent it from decaying, being damaged, or being destroyed   |
| 183. abruptly in____pt                         | <i>v.</i> to say or do something that causes someone to stop in their speech or action   |
| 184. ro__h and tough                           | <i>adj.</i> not quite exact or correct; having or caused by an irregular surface   |
| 185. exposure to ra_____on                     | <i>n.</i> the energy that comes from a nuclear reaction in the form of rays, waves, or particles and that can be hazardous to health   |
| 186. sp___e of influence                       | <i>n.</i> a round object or geometric shape that is three-dimensional and symmetrical around a central point; a particular aspect or scope of life or activity   |
| 187. do_____ad the assignment from the website | <i>v.</i> to transfer data or files from the Internet or computer network to a user's computer or device; (noun) the process of transferring data or information from a remote or central computer to a local computer or device |
| 188. re___t temptation                         | <i>v.</i> to refuse to accept something and attempt to prevent it from happening   |
| 189. en_____er shortage                        | <i>n.</i> a person whose job is designing, building, or maintaining something such as machines, structures, or software  |

ANSWERS: 181. app, 182. preserve, 183. interrupt, 184. rough, 185. radiation, 186. sphere, 187. download, 188. resist, 189. engineer

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| 190. co_____t research                            | <i>v.</i> to organize and carry out a particular activity  |
| 191. regular rep_____nt of tires                  | <i>n.</i> the act of replacing something with something else, especially that is newer or better; a person or thing that takes or can take the place of another  |
| 192. str_____al analyses                          | <i>adj.</i> associated with the way on construction or organization of anything  |
| 193. 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  |
| 194. pre_____on to authority                      | <i>n.</i> the act of claiming or asserting something, especially without good reason or without evidence; an unfounded or excessive claim or ambition  |
| 195. sp___l of tape                               | <i>n.</i> a cylindrical device with a flange at one or both ends, containing a hollow center and used to wind or store wire, thread, tape, film, or other flexible materials   |
| 196. romantic des_____ons                         | <i>n.</i> the place to which someone or something is going or being sent; the ultimate purpose or goal of a journey or action  |
| 197. tra_____or radio                             | <i>n.</i> a semiconductor device that can be used to amplify or switch electronic signals and power which is an essential component in modern electronics  |
| 198. sh___w puppetry                              | <i>n.</i> a dark area or shape cast by an object blocking the passage of light; an area in darkness or shade; a reflected image or copy of something; a person, activity, or influence that follows or accompanies someone or something closely and persistently, often in a secretive or ominous manner |

ANSWERS: 190. conduct, 191. replacement, 192. structural, 193. communicate, 194.

pretension, 195. spool, 196. destination, 197. transistor, 198. shadow

199. an oxygen m__k	<i>v.</i> to conceal something; (noun) a covering that you wear over your face to hide it
200. look in every nook and cr__y	<i>n.</i> a small, narrow opening or crack, especially in a wall or rock
201. fo_____nts in the snow	<i>n.</i> a mark of a foot, shoe, or animal's foot left on a surface
202. trigger a re____on	<i>n.</i> a response that reveals a person's feelings or attitude; (in chemistry) a process in which one or more substances are changed into others
203. an in___e scheme	<i>adj.</i> extremely stupid, crazy, or dangerous; mentally ill
204. ca_____e calculation	<i>n.</i> unit of heat defined as the quantity of heat required to raise the temperature of 1 gram of water by 1 degree Celsius at atmospheric pressure, used by nutritionists to measure how much energy food will produce
205. theoretical ph_____st	<i>n.</i> a scientist who specializes in the field of physics
206. r_p a hole in the roof	<i>v.</i> to tear something or be torn violently or suddenly
207. a detective's si_____ck	<i>n.</i> a person who is closely associated with and supports another person, especially in a work or professional capacity; a person who is a close and loyal companion
208. play in the ba_____rd	<i>n.</i> a whole space behind and belonging to a house

ANSWERS: 199. mask, 200. cranny, 201. footprint, 202. reaction, 203. insane, 204. calorie, 205. physicist, 206. rip, 207. sidekick, 208. backyard

209. AC ca_____or	<i>n.</i> a device that is placed inside electronic equipment such as televisions and radios and that stores electrical charge
210. im_____ry number	<i>adj.</i> existing only in someone's mind
211. pr_____le of treatment	<i>n.</i> a fundamental law or truth that explains or controls how something happens or works
212. ci_____t breaker	<i>n.</i> (in electrical engineering) an electrical device that provides a path for electrical current to flow; a journey or route around a particular place or area
213. sk_____et the cost	<i>v.</i> to rapidly ascend to a very high level; increase rapidly;
214. re__x reaction	<i>n.</i> a chemical reaction in which there is a transfer of electrons from one molecule to another, resulting in a change in the oxidation state (or degree of electron loss or gain) of one or more atoms
215. beam of el_____ons	<i>n.</i> a tiny particle with the negative electrical charge
216. de_____e respect	<i>v.</i> to be worthy of or entitled to something, especially something good or valuable
217. metallic pap_____ht	<i>n.</i> a small, heavy object, often made of glass or metal, that is designed to hold down papers or other items on a desk or table; an object, usually an electronic device or piece of machinery, that is non-functional or useless for its intended purpose

ANSWERS: 209. capacitor, 210. imaginary, 211. principle, 212. circuit, 213. skyrocket, 214. redox, 215. electron, 216. deserve, 217. paperweight

218. cell and molecular bi____y	<i>n.</i> the scientific study of life and the natural processes of living things
219. pl__n answer	<i>adj.</i> without being decorated in any way; (Noun) a vast expanse of flat land with few trees
220. st_____ht for two months	<i>adj.</i> extending or moving in one direction without bending or curving; having no deviations
221. woolly pa__s	<i>n.</i> an item of clothing that covers the lower part of the body and each leg separately, typically with a waistband and two legs
222. r__y entirely on him	<i>v.</i> to require a specific thing or the assistance and support of someone or something to continue, run properly, or succeed.
223. every n__k and cranny	<i>n.</i> a small corner, alcove, or recess, especially one in a room or garden providing a seat or space for quiet
224. 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
225. sh__y surface	<i>adj.</i> reflecting light and having a bright and smooth surface
226. a silence pr_____nt with suspense	<i>adj.</i> having a baby or young animal developing in the uterus

ANSWERS: 218. biology, 219. plain, 220. straight, 221. pants, 222. rely, 223. nook, 224. develop, 225. shiny, 226. pregnant

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| 227. platinum el_____des                | <i>n.</i> either of two points or ends of a conductor at which electricity enters or leaves an object, substance, or region  |
| 228. the ground be_____h my feet        | <i>adv.</i> in or to a lower place than someone or something   |
| 229. baby with se_____ve skin           | <i>adj.</i> able to notice slight changes, signals, or influences; able to feel or perceive other's feelings; susceptible to the things people say or do   |
| 230. h__d ornament                      | <i>n.</i> a covering for the head and neck, especially one attached to a garment   |
| 231. an und_____ng motive               | <i>adj.</i> significant as a cause or basis of something but not immediately apparent or stated clearly  |
| 232. electronic de____e                 | <i>n.</i> a piece of equipment, tool, or technology that serves a particular purpose or function, often mechanical or electronic   |
| 233. abs_____ly against                 | <i>adv.</i> without restriction or limitation; completely or utterly   |
| 234. an und_____ng cause of an accident | <i>adj.</i> significant as a cause or basis of something but not immediately apparent or stated clearly  |
| 235. ad_____ve tape                     | <i>n.</i> a sticky substance used to hold things together  |
| 236. r_p a notebook apart               | <i>v.</i> to tear something or be torn violently or suddenly   |
| 237. 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 |

ANSWERS: 227. electrode, 228. beneath, 229. sensitive, 230. hood, 231. underlying, 232. device, 233. absolutely, 234. underlying, 235. adhesive, 236. rip, 237. develop

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|-----------------------------------|---|
| 238. mot_____rd upgrade           | <i>n.</i> the main circuit board in a computer or other electronic device that contains the central processing unit (CPU), memory, and other essential components that allow the device to function   |
| 239. the ch_____ry of soil        | <i>n.</i> the branch of the natural sciences dealing with the composition of substances and their properties and reactions  |
| 240. di_____y merchandise         | <i>v.</i> to exhibit or show something to others, often to attract attention or demonstrate its features, properties, or value  |
| 241. ca_____or load               | <i>n.</i> a device that is placed inside electronic equipment such as televisions and radios and that stores electrical charge  |
| 242. short video c__p             | <i>n.</i> a small metal or plastic device used for holding an object or objects together or in place; a short part of electronic media, either an audio clip or video clip  |
| 243. tra_____lly accepted concept | <i>adv.</i> in accordance with tradition; typically or commonly done in a particular way  |
| 244. o__r control                 | <i>n.</i> a distinctive or unpleasant smell; a scent or aroma that can be sensed through the sense of smell   |
| 245. 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 |

ANSWERS: 238. motherboard, 239. chemistry, 240. display, 241. capacitor, 242. clip, 243. traditionally, 244. odor, 245. process



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| 246. wi_____nd pressure          | <i>v.</i> to resist the effect or impact of something   |
| 247. me_____or for death         | <i>n.</i> a figure of speech in which an expression is used to refer to something that it does not denote to suggest a similarity   |
| 248. in_____e heat               | <i>adj.</i> (especially of a feeling) very strong; extremely sharp or severe  |
| 249. a tollgate of a sup_____way | <i>n.</i> a large, wide road designed for high-speed traffic  |
| 250. lit_____ph print            | <i>n.</i> a printmaking process that involves creating a design on a flat stone or metal plate, transferring the design to paper using ink, and then printing multiple copies of the design |
| 251. breakfast n__k              | <i>n.</i> a small corner, alcove, or recess, especially one in a room or garden providing a seat or space for quiet   |
| 252. oxygen a__m                 | <i>n.</i> the smallest unit of ordinary matter that forms a chemical element, composed of a nucleus and one or more electrons bound to the nucleus  |
| 253. pose for a se___e           | <i>n.</i> a photograph that one has taken of oneself, typically one taken with a smartphone or webcam to share on social media  |
| 254. ba_____rd barbecue          | <i>n.</i> a whole space behind and belonging to a house   |
| 255. sh___k with fear            | <i>v.</i> to become smaller, or to make something smaller in size or amount   |

ANSWERS: 246. withstand, 247. metaphor, 248. intense, 249. superhighway, 250. lithograph, 251. nook, 252. atom, 253. selfie, 254. backyard, 255. shrink

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| 256. h__k through the jungle                  | <i>v.</i> to hit and cut somebody or something roughly and violently; to find a bug in a computer program and break into their systems or networks   |
| 257. em____ed systems                         | <i>adj.</i> fixed firmly into the surface of something   |
| 258. co____e a large of alcohol               | <i>v.</i> to spend something, especially fuel, energy, or time, in a large amount  |
| 259. key co____nt                             | <i>n.</i> one of several parts that combines with others to form something bigger  |
| 260. the fo____nts of an earlier civilization | <i>n.</i> a mark of a foot, shoe, or animal's foot left on a surface   |
| 261. ele____tic properties                    | <i>adj.</i> of or relating to the magnetism produced by electric charge in motion  |
| 262. str____al reorganization                 | <i>adj.</i> associated with the way on construction or organization of anything  |
| 263. at__c nucleus                            | <i>adj.</i> of or relating to atom (= the smallest component of an element)  |
| 264. re__x equilibrium                        | <i>n.</i> a chemical reaction in which there is a transfer of electrons from one molecule to another, resulting in a change in the oxidation state (or degree of electron loss or gain) of one or more atoms |
| 265. 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   |
| 266. set the la__h                            | <i>n.</i> a device for holding a door or gate closed, typically a sliding bar or bolt  |

ANSWERS: 256. hack, 257. embedded, 258. consume, 259. component, 260. footprint, 261. electromagnetic, 262. structural, 263. atomic, 264. redox, 265. hardware, 266. latch

267. price sk\_\_\_\_\_eted      *v.* to rapidly ascend to a very high level; increase rapidly;
268. sh\_\_y object      *adj.* reflecting light and having a bright and smooth surface
269. pr\_\_\_\_\_s improvement      *n.* a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products
270. pap\_\_\_\_\_ht gift      *n.* a small, heavy object, often made of glass or metal, that is designed to hold down papers or other items on a desk or table; an object, usually an electronic device or piece of machinery, that is non-functional or useless for its intended purpose
271. di\_\_\_\_\_ct difference      *adj.* noticeable from something else of a similar type
272. local h\_\_o      *n.* a person who is admired or idealized for courage, outstanding achievements, or noble qualities; a character in literature or history who is central to the plot and who exhibits heroic qualities
273. ad\_\_\_\_\_ve substance      *adj.* causing a strong desire or compulsion to use or consume repeatedly, often to the point of dependency or harm; habit-forming

ANSWERS: 267. skyrocket, 268. shiny, 269. process, 270. paperweight, 271. distinct, 272. hero, 273. addictive

274. needs of pr____nt women	<i>adj.</i> having a baby or young animal developing in the uterus
275. b__d the man's hands	<i>v.</i> to tie or fasten someone or something tightly with rope, string, etc. so that they cannot move or are held together strongly
276. evolutionary bi____y	<i>n.</i> the scientific study of life and the natural processes of living things
277. six-lane sup____way	<i>n.</i> a large, wide road designed for high-speed traffic
278. a silk h__d	<i>n.</i> a covering for the head and neck, especially one attached to a garment
279. a civil en____er	<i>n.</i> a person whose job is designing, building, or maintaining something such as machines, structures, or software
280. copyrighted so____re	<i>n.</i> a set of computer programs and associated documentation and data for doing particular computational jobs
281. te____r strap	<i>v.</i> to tie or secure an animal, person, or object with a rope, chain, or other similar devices to prevent it from moving too far away; (noun) a rope or chain used to tie up or restrain an animal, such as a horse or dog
282. la__h mechanism	<i>n.</i> a device for holding a door or gate closed, typically a sliding bar or bolt
283. past mil____um	<i>n.</i> a span of 1000 years, or the 1000th anniversary (plural: millennia)
284. absolutely op____d to abortion	<i>adj.</i> being completely different from something or disagreeing strongly with something

ANSWERS: 274. pregnant, 275. bind, 276. biology, 277. superhighway, 278. hood, 279. engineer, 280. software, 281. tether, 282. latch, 283. millennium, 284. opposed

285. reduce my ca\_\_\_\_e intake      *n.* unit of heat defined as the quantity of heat required to raise the temperature of 1 gram of water by 1 degree Celsius at atmospheric pressure, used by nutritionists to measure how much energy food will produce
286. ad\_\_\_\_on strength      *n.* the action or process of sticking to something; the physical force that holds surfaces together, especially in the case of two different materials that are in contact with each other
287. an ex\_\_\_\_d rock      *adj.* having no protection or shield from something, such as bad weather, attack, or criticism
288. po\_\_t the existence of life after death      *v.* to suggest or accept something as fact or as a basis for argument or consideration
289. crystalline si\_\_\_\_n      *n.* a chemical element with the symbol Si that is a hard, brittle crystalline solid with a blue-grey metallic luster and used for the transistors and integrated circuit chips in computers
290. go in\_\_\_\_e with pleasure      *adj.* extremely stupid, crazy, or dangerous; mentally ill
291. a tr\_\_\_\_on of a culture      *n.* a belief, custom, or way of doing something that has been passed down from generation to generation within a group or society
292. g\_\_e stick      *n.* a sticky substance used for joining things together; a bonding agent made from animal or synthetic materials

ANSWERS: 285. calorie, 286. adhesion, 287. exposed, 288. posit, 289. silicon, 290. insane, 291. tradition, 292. glue

- |                                    |  |
|------------------------------------|--|
| 293. the local chamber of co____ce | <i>n.</i> the activity of buying and selling things, especially on a large scale   |
| 294. fire dr__l                    | <i>n.</i> a tool or machine used for making round holes or driving fasteners; a training or practice   |
| 295. de___e on a course of action  | <i>v.</i> to make up someone's mind about something; to come to a conclusion or judgment after considering options   |
| 296. de____e this prize            | <i>v.</i> to be worthy of or entitled to something, especially something good or valuable  |
| 297. a brief ex____t from the book | <i>n.</i> a short passage taken from a book, piece of music, etc.; a substance obtained from something through a specific process; (verb) to obtain from something or to remove something by effort or force |
| 298. chemical ad____on             | <i>n.</i> the action or process of sticking to something; the physical force that holds surfaces together, especially in the case of two different materials that are in contact with each other             |

ANSWERS: 293. commerce, 294. drill, 295. decide, 296. deserve, 297. extract, 298. adhesion

## Session 3: Fill in the Blanks

1. She made a \_\_\_\_\_ impression.  
*adj.* producing very clear, powerful, and detailed images in the mind
2. I am \_\_\_\_\_ opposed to his idea because of morality.  
*adv.* without restriction or limitation; completely or utterly
3. X-rays revealed a small tumor in his \_\_\_\_\_.  
*n.* the organ inside the head that is responsible for one's movement, thought, memory, and feeling
4. The office's \_\_\_\_\_ network allows employees to work from anywhere in the building.  
*adj.* of or relating a connection or communication that does not require a physical wire or cable, often through the use of radio waves or electromagnetic signals
5. The company's reputation for honesty and \_\_\_\_\_ is highly valued among its customers.  
*n.* the quality of being honest and having strong moral principles; the state of being whole and undivided
6. The \_\_\_\_\_ ordered the troops to fire.  
*n.* the leader of a group of people, especially who is in charge of a ship or aircraft
7. The performance of a computer largely depends on the quality of the \_\_\_\_\_.  
*n.* the main circuit board in a computer or other electronic device that contains the central processing unit (CPU), memory, and other essential components that allow the device to function

ANSWERS: 1. vivid, 2. absolutely, 3. brain, 4. wireless, 5. integrity, 6. captain, 7. motherboard

8. She had to \_\_\_\_\_ for the final exam and stayed up all night studying.  
*v.* to force or try to fit a large amount of information into a short time, especially in preparation for an examination; to force or try to fit a large amount of something into a small space
9. The University provides a wireless Internet \_\_\_\_\_ to its students.  
*n.* a large, wide road designed for high-speed traffic
10. Our world is in the third \_\_\_\_\_.  
*n.* a span of 1000 years, or the 1000th anniversary (plural: millennia)
11. The company specializes in both hardware and \_\_\_\_\_.  
*n.* a set of computer programs and associated documentation and data for doing particular computational jobs
12. The new video game was so \_\_\_\_\_ that he stayed up all night playing it.  
*adj.* causing a strong desire or compulsion to use or consume repeatedly, often to the point of dependency or harm; habit-forming
13. The news of her promotion \_\_\_\_\_ her.  
*v.* to make someone feel suddenly enthusiastic or eager
14. The new phone is waterproof and can \_\_\_\_\_ being dropped in water.  
*v.* to resist the effect or impact of something
15. The birds \_\_\_\_\_ open water areas with reeds around them.  
*v.* to like, choose, or want one thing or person better than another
16. We all should learn how to \_\_\_\_\_ stress.  
*v.* to deal with a situation, problem, or strong emotion

ANSWERS: 8. cram, 9. superhighway, 10. millennium, 11. software, 12. addictive, 13. excited, 14. withstand, 15. prefer, 16. handle



17. A smaller car will \_\_\_\_\_ less fuel.

- v.* to spend something, especially fuel, energy, or time, in a large amount

18. We need to \_\_\_\_\_ our products in an attractive way to attract customers.

- v.* to exhibit or show something to others, often to attract attention or demonstrate its features, properties, or value

19. The soldier who sacrificed his life for his country is considered a national \_\_\_\_\_.

- n.* a person who is admired or idealized for courage, outstanding achievements, or noble qualities; a character in literature or history who is central to the plot and who exhibits heroic qualities

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

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

21. I need to \_\_\_\_\_ the latest update for my computer's operating system.

- v.* to transfer data or files from the Internet or computer network to a user's computer or device; (noun) the process of transferring data or information from a remote or central computer to a local computer or device

22. The car's front bumper cost fifteen hundred \_\_\_\_\_.

- n.* the standard unit of money in the UK; the standard unit of weight equal to 16 ounces

23. The carpenter applied \_\_\_\_\_ to the cabinet joints before nailing them together.

- n.* a sticky substance used for joining things together; a bonding agent made from animal or synthetic materials

24. The product developed through years of research continues to \_\_\_\_\_ the market.

- v.* to make a machine or system work by using electricity; to make someone extremely enthusiastic about or interested in something

ANSWERS: 17. consume, 18. display, 19. hero, 20. complexity, 21. download, 22. pounds, 23. glue, 24. electrify

25. It is essential to keep these two issues \_\_\_\_\_.

*adj.* noticeable from something else of a similar type

26. Police will \_\_\_\_\_ random breath testing for drunk driving.

*v.* to organize and carry out a particular activity

27. Hundreds of ceramic \_\_\_\_\_ are used in a single smartphone.

*n.* a device that is placed inside electronic equipment such as televisions and radios and that stores electrical charge

28. The \_\_\_\_\_ test helped to determine the cause of her symptoms.

*n.* a hypersensitivity disorder of the immune system, characterized by an exaggerated response to certain allergens, such as pollens, foods, and drugs

29. He is familiar with \_\_\_\_\_ and biology.

*n.* the branch of the natural sciences dealing with the composition of substances and their properties and reactions

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

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

31. It is an incredible \_\_\_\_\_ to climb Mount Everest, the highest mountain in the world.

*n.* a notable or impressive achievement, especially one that requires great skill or bravery

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

*adj.* existing only in someone's mind

ANSWERS: 25. distinct, 26. conduct, 27. capacitors, 28. allergy, 29. chemistry, 30. sensitive, 31. feat, 32. imaginary

33. The tree cast a \_\_\_\_\_ over the picnic area, providing relief from the sun.
- n.* a dark area or shape cast by an object blocking the passage of light; an area in darkness or shade; a reflected image or copy of something; a person, activity, or influence that follows or accompanies someone or something closely and persistently, often in a secretive or ominous manner
34. His hypothesis concerns the role of an \_\_\_\_\_ field in human health.
- adj.* of or relating to the magnetism produced by electric charge in motion
35. I need a new \_\_\_\_\_ of thread for my sewing machine.
- n.* a cylindrical device with a flange at one or both ends, containing a hollow center and used to wind or store wire, thread, tape, film, or other flexible materials
36. The stained-glass \_\_\_\_\_ added a pop of color to the desk.
- n.* a small, heavy object, often made of glass or metal, that is designed to hold down papers or other items on a desk or table; an object, usually an electronic device or piece of machinery, that is non-functional or useless for its intended purpose
37. It would be best if you burned off \_\_\_\_\_ through vigorous exercise.
- n.* unit of heat defined as the quantity of heat required to raise the temperature of 1 gram of water by 1 degree Celsius at atmospheric pressure, used by nutritionists to measure how much energy food will produce
38. The invention of the \_\_\_\_\_ revolutionized the field of electronics.
- n.* a semiconductor device that can be used to amplify or switch electronic signals and power which is an essential component in modern electronics
39. The drama series mainly received \_\_\_\_\_.
- n.* an expression that shows approval and admiration of the achievements or characteristics of someone or something

ANSWERS: 33. shadow, 34. electromagnetic, 35. spool, 36. paperweight, 37. calories, 38. transistor, 39. praise

40. 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
41. The engine did not start because the \_\_\_\_\_ was flat.
- n.* a device that is placed inside a car, gadget, equipment, etc. and that provides electrical power to them
42. The \_\_\_\_\_ of the earth is divided into several layers including the crust, mantle, and core.
- n.* a round object or geometric shape that is three-dimensional and symmetrical around a central point; a particular aspect or scope of life or activity
43. The dancers practiced the steps of the \_\_\_\_\_ meticulously to perfect their performance.
- n.* a ballroom dance in triple time that originated in Vienna and is characterized by a flowing, graceful style and a strong accent on the first beat of each measure
44. This company has invested heavily in Internet \_\_\_\_\_.
- n.* the activity of buying and selling things, especially on a large scale
45. The mouse squeezed into the tiniest \_\_\_\_\_ of the wall to avoid being caught by the cat.
- n.* a small, narrow opening or crack, especially in a wall or rock
46. You'll need some solid \_\_\_\_\_ to repair that chair.
- n.* a sticky substance used to hold things together
47. They worked hard to \_\_\_\_\_ the nature of their native lands.
- v.* to keep or maintain a particular quality, feature, etc., especially to prevent it from decaying, being damaged, or being destroyed

ANSWERS: 40. hardware, 41. battery, 42. sphere, 43. waltz, 44. commerce, 45. cranny, 46. adhesive, 47. preserve

48. An intelligent battery has a voltage monitoring \_\_\_\_\_.  
*n.* (in electrical engineering) an electrical device that provides a path for electrical current to flow; a journey or route around a particular place or area
49. She couldn't \_\_\_\_\_ whether to order the pizza or the pasta for dinner.  
*v.* to make up someone's mind about something; to come to a conclusion or judgment after considering options
50. The company's rules \_\_\_\_\_ the employee's working hours.  
*v.* to tie or fasten someone or something tightly with rope, string, etc. so that they cannot move or are held together strongly
51. \_\_\_\_\_ the bandage tightly around the injured arm.  
*v.* to cover or enclose something entirely with paper, cloth, or other material
52. Her excessive demands drove me \_\_\_\_\_.  
*adj.* extremely stupid, crazy, or dangerous; mentally ill
53. I chose to \_\_\_\_\_ cancer by trying every possible treatment.  
*v.* to refuse to accept something and attempt to prevent it from happening
54. The artist held a \_\_\_\_\_ to teach students how to paint with watercolors.  
*n.* a place where people work, especially one where they do manual or practical work; a brief intensive course for a small group
55. She expressed her thought in an artful choice of \_\_\_\_\_.  
*n.* a figure of speech in which an expression is used to refer to something that it does not denote to suggest a similarity

ANSWERS: 48. circuit, 49. decide, 50. bind, 51. Wrap, 52. insane, 53. resist, 54. workshop, 55. metaphors

56. The \_\_\_\_\_ principle of every business was identical.

*adj.* significant as a cause or basis of something but not immediately apparent or stated clearly

57. Tech companies often employ \_\_\_\_\_ ducts and other materials in their office interiors.

*adj.* having no protection or shield from something, such as bad weather, attack, or criticism

58. We are developing plant-derived \_\_\_\_\_ to reduce environmental impact.

*n.* a substance composed of macromolecules (= large groups of atoms) made from many smaller and simpler molecules

59. 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

60. I always wear \_\_\_\_\_ when I go outside, even in the summer.

*n.* an item of clothing that covers the lower part of the body and each leg separately, typically with a waistband and two legs

61. The \_\_\_\_\_ chip in my credit card allows me to make contactless payments.

*adj.* fixed firmly into the surface of something

62. We can use this campaign as a bargaining \_\_\_\_\_ in the negotiations.

*n.* a small fragment of something broken off from the whole; a long and thin piece of potato fried in oil or fat

63. A great stretch of the lake lay \_\_\_\_\_ them.

*adv.* in or to a lower place than someone or something

ANSWERS: 56. underlying, 57. exposed, 58. polymers, 59. communicate, 60. pants, 61. embedded, 62. chip, 63. beneath

64. Actuators convert \_\_\_\_\_ pulses into motion.

*adj.* relating to electricity

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

*adj.* relating to or connected with chemistry;

66. The vehicle bounced along the \_\_\_\_\_ mountain road.

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

67. We choose transportation that has a smaller carbon \_\_\_\_\_.

*n.* a mark of a foot, shoe, or animal's foot left on a surface

68. He did complicated pen-and-ink drawings like medieval \_\_\_\_\_.

*adj.* being on a very small scale

69. 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

70. Honesty is an \_\_\_\_\_ quality that everyone should strive to possess.

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

71. The discovery of a critical bug caused the company to delay the \_\_\_\_\_ release.

*n.* (abbreviation for application) software designed to run on smartphones and other mobile devices or inside a web browser on a PC

72. He grows vegetables in his \_\_\_\_\_.

*n.* a whole space behind and belonging to a house

ANSWERS: 64. electrical, 65. chemical, 66. rough, 67. footprint, 68. miniatures, 69. process, 70. inherent, 71. app's, 72. backyard

73. He was sick for five \_\_\_\_\_ days.

*adj.* extending or moving in one direction without bending or curving; having no deviations

74. The lowest lowland region is mostly flat \_\_\_\_\_.

*adj.* without being decorated in any way; (Noun) a vast expanse of flat land with few trees

75. 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

76. He needed to \_\_\_\_\_ his phone before the meeting.

*v.* to restore the energy or power of something by supplying it with more energy or power; to refresh or renew oneself by rest or sleep

77. The \_\_\_\_\_ new car drew everyone's attention as it drove by.

*adj.* reflecting light and having a bright and smooth surface

78. The art gallery showcased a collection of colorful \_\_\_\_\_ prints by renowned artists.

*n.* a printmaking process that involves creating a design on a flat stone or metal plate, transferring the design to paper using ink, and then printing multiple copies of the design

79. He tried every possible treatment, including chemotherapy and \_\_\_\_\_ therapy.

*n.* the energy that comes from a nuclear reaction in the form of rays, waves, or particles and that can be hazardous to health

ANSWERS: 73. straight, 74. plain, 75. innovation, 76. recharge, 77. shiny, 78. lithographic, 79. radiation



80. The hiker \_\_\_\_\_ their dog to a tree while they camped for the night.
- v.* to tie or secure an animal, person, or object with a rope, chain, or other similar devices to prevent it from moving too far away; (noun) a rope or chain used to tie up or restrain an animal, such as a horse or dog
81. The workers had to dig through solid rock to create the vehicular \_\_\_\_\_ allowing the cars to pass through the mountain.
- n.* an underground or underwater passage, typically for trains or cars
82. His \_\_\_\_\_ of being a gourmet were quickly exposed when he could not identify basic herbs and spices.
- n.* the act of claiming or asserting something, especially without good reason or without evidence; an unfounded or excessive claim or ambition
83. The movie has received almost universally \_\_\_\_\_ criticism.
- adj.* having the quality of something bad or harmful; expressing refusal
84. Several military \_\_\_\_\_ programs have become popular methods of exercise.
- n.* a tool or machine used for making round holes or driving fasteners; a training or practice
85. The security team uses an outdoor \_\_\_\_\_ to communicate with each other during events.
- n.* a portable two-way radio communication device typically used for short-range voice communication
86. The superhero's \_\_\_\_\_ was always there to help him.
- n.* a person who is closely associated with and supports another person, especially in a work or professional capacity; a person who is a close and loyal companion

ANSWERS: 80. tethered, 81. tunnel, 82. pretensions, 83. negative, 84. drill, 85. walkie-talkie, 86. sidekick

87. The \_\_\_\_\_ of the duct tape to the surface was surprisingly strong.
- n.* the action or process of sticking to something; the physical force that holds surfaces together, especially in the case of two different materials that are in contact with each other
88. 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
89. His heartaches are less \_\_\_\_\_ now.
- adj.* happening constantly
90. The public is \_\_\_\_\_ that the prime minister has committed fraud.
- adj.* completely certain about something; having a strong belief or conviction in a particular religion
91. Efficiency isn't an essential \_\_\_\_\_ here; fairness is.
- n.* a fundamental law or truth that explains or controls how something happens or works
92. Computational simulations help determine which \_\_\_\_\_ molecule is susceptible to change by specific enzymes.
- n.* a substance or layer from which an organism grows and lives and by which an organism is supported; a substance on which an enzyme or ferment act
93. Production has decreased, but costs and unemployment have \_\_\_\_\_ dramatically.
- v.* to rapidly ascend to a very high level; increase rapidly;
94. Babies heavily \_\_\_\_\_ on others for food.
- v.* to require a specific thing or the assistance and support of someone or something to continue, run properly, or succeed.

ANSWERS: 87. adhesion, 88. device, 89. frequent, 90. convinced, 91. principle, 92. substrate, 93. skyrocketed, 94. rely

95. We should \_\_\_\_\_ several hypotheses to discuss the matter.

- v.* to suggest or accept something as fact or as a basis for argument or consideration

96. The kidney is an \_\_\_\_\_ component of the body.

- adj.* of or derived from biological substance; producing plants and animals for food and other items without the use of synthetic chemicals

97. The employee \_\_\_\_\_ the promotion for their hard work and dedication.

- v.* to be worthy of or entitled to something, especially something good or valuable

98. \_\_\_\_\_ the ceremony was held outdoors.

- adv.* in accordance with tradition; typically or commonly done in a particular way

99. He was known to be very \_\_\_\_\_ and would often work late into the night.

- adj.* hardworking, diligent, and persistent in effort

100. It is a \_\_\_\_\_ in many families to have a big Thanksgiving dinner with all their relatives.

- n.* a belief, custom, or way of doing something that has been passed down from generation to generation within a group or society

101. The \_\_\_\_\_ will repair my telephone tomorrow morning.

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

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

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

ANSWERS: 95. posit, 96. organic, 97. deserved, 98. Traditionally, 99. industrious, 100. tradition, 101. engineer, 102. extracting

103. During transit, the stuff may \_\_\_\_ off the luggage tag.

- v.* to tear something or be torn violently or suddenly

104. You \_\_\_\_\_ a bill in the change machine, and the coins pop out.

- v.* to put something, usually a sharp object, into something; to restrict yourself to doing or using one certain thing and not change; (noun) a thin piece of wood or other material

105. The prince fell in love with the \_\_\_\_\_ and asked her to marry him.

- n.* the daughter of a monarch; the wife or widow of a prince; woman or girl considered to be particularly good or admirable

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

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

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

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

108. The \_\_\_\_\_ on the gate was broken, so the cows got loose.

- n.* a device for holding a door or gate closed, typically a sliding bar or bolt

109. He pulled his waterproof \_\_\_\_\_ up to protect himself from the rain.

- n.* a covering for the head and neck, especially one attached to a garment

110. We had our bedroom \_\_\_\_\_ before winter came.

- v.* to protect something by interposing material that prevents heat, noise, electricity, etc.

111. That statement by the prime minister drew \_\_\_\_\_ international criticism.

- adj.* (especially of a feeling) very strong; extremely sharp or severe

ANSWERS: 103. rip, 104. stick, 105. princess, 106. electron, 107. physicist, 108. latch, 109. hood, 110. insulated, 111. intense

112. That newspaper \_\_\_\_\_ a political scandal in a big way.

- v.* to show something by uncovering it; to make something accessible to some action or influence

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

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

114. The kitchen \_\_\_\_\_ was perfect for coffee and chatting with friends.

- n.* a small corner, alcove, or recess, especially one in a room or garden providing a seat or space for quiet

115. I am considering what I should do to \_\_\_\_\_ him.

- v.* to persuade someone or make someone believe that something is true

116. The \_\_\_\_\_ from the trash can was unbearable, so I had to take it out.

- n.* a distinctive or unpleasant smell; a scent or aroma that can be sensed through the sense of smell

117. The \_\_\_\_\_ partially destroyed my vehicle.

- n.* an unfortunate event, especially one causing damage or injury

118. The width of a single human hair is around 100 \_\_\_\_\_.

- n.* a unit of measurement equal to one-millionth of a meter, used for measuring the size of particles and microorganisms

119. The car's \_\_\_\_\_ aerodynamic design made it look fast even when standing still.

- adj.* smooth and glossy in appearance or texture; streamlined and elegant in design or form; characterized by a polished or refined style or appearance

ANSWERS: 112. exposed, 113. hacking, 114. nook, 115. convince, 116. odor, 117. accident, 118. microns, 119. sleek,

120. I dressed up as an \_\_\_\_ for the Christmas party.

- n.* a mythical creature typically depicted as a small, mischievous being with pointed ears and magical powers

121. He performed \_\_\_\_\_ tricks with sophisticated moves.

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

122. The politician tried to \_\_\_\_ the corruption.

- v.* to conceal something; (noun) a covering that you wear over your face to hide it

123. In junior high school, we had to dissect a frog in \_\_\_\_\_ class.

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

124. Exposure to high levels of \_\_\_\_\_ can irritate the eyes, nose, and throat, as well as respiratory problems and cancer.

- n.* a colorless, flammable liquid with a strong, pungent smell used as a preservative and in the manufacture of various products

125. This shirt will \_\_\_\_\_ in the wash.

- v.* to become smaller, or to make something smaller in size or amount

126. The \_\_\_\_\_ had received a mild snowfall the previous week.

- n.* a long depression on the surface of the land, which typically contains a river

127. I'm strongly \_\_\_\_\_ to that plan.

- adj.* being completely different from something or disagreeing strongly with something

ANSWERS: 120. elf, 121. magic, 122. mask, 123. biology, 124. formaldehyde, 125. shrink, 126. valley, 127. opposed

128. We demand his \_\_\_\_\_.

- n.* the act of replacing something with something else, especially that is newer or better; a person or thing that takes or can take the place of another

129. The outermost electron shell of an \_\_\_\_\_ determines its chemical characteristics.

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

130. I am excited to reach my \_\_\_\_\_ and explore the new city finally.

- n.* the place to which someone or something is going or being sent; the ultimate purpose or goal of a journey or action

131. The new washing machine is much more \_\_\_\_\_ than the old one.

- adj.* performing at the highest level of productivity with the least wasted effort or resources; capable of achieving maximum output with minimum wasted effort, time, or materials

132. The researchers try to discover a common \_\_\_\_\_ in all types of successful organizations.

- n.* one of several parts that combines with others to form something bigger

133. \_\_\_\_\_ is the second most abundant element on earth after oxygen.

- n.* a chemical element with the symbol Si that is a hard, brittle crystalline solid with a blue-grey metallic luster and used for the transistors and integrated circuit chips in computers

134. The jewelry shop featured a wide array of \_\_\_\_\_ accessories made of gold, silver, and copper.

- adj.* relating to or resembling metal; having a shiny, silvery, or reflective quality; characterized by strength, durability, or toughness

ANSWERS: 128. replacement, 129. atom, 130. destination, 131. efficient, 132. component, 133. Silicon, 134. metallic

135. She vacated the position when she got \_\_\_\_\_.

*adj.* having a baby or young animal developing in the uterus

136. He fastens some sheets of paper with a \_\_\_\_\_.

*n.* a small metal or plastic device used for holding an object or objects together or in place; a short part of electronic media, either an audio clip or video clip

137. Gamma \_\_\_\_\_ penetrate body tissues and cause cell damage.

*n.* a narrow line of light, heat, or another form of energy

138. It is important to place the \_\_\_\_\_ in the correct position for accurate electro-cardiogram recording.

*n.* either of two points or ends of a conductor at which electricity enters or leaves an object, substance, or region

139. The \_\_\_\_\_ in the bathroom was faulty, so I had to use a different one for my hair dryer.

*n.* a means of release or expression, often for emotions or energy; a place of business that sells goods directly to customers; a device or opening through which something can flow out

140. The new president was \_\_\_\_\_ immediately after the national election.

*v.* to fix furniture, a machine, or a piece of equipment into position so that it can be used; put into an office or a position

141. This process improves the strength of the metal by controlling the \_\_\_\_\_ lattice structure of the metal.

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

ANSWERS: 135. pregnant, 136. clip, 137. rays, 138. electrodes, 139. outlet, 140. installed, 141. nanoscale



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

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

143. She took a \_\_\_\_\_ in front of the famous tower and shared it on the app.

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

144. There was a chemical \_\_\_\_\_ of the lime with the groundwater.

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

145. 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

146. Some people have severe allergies to \_\_\_\_\_ and must avoid them completely.

*n.* a type of legume that grows underground and is widely cultivated and consumed as a food source

147. The earthquake resulted in significant \_\_\_\_\_ destruction.

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

148. In a \_\_\_\_\_ process, one substance gains electrons while another loses them.

*n.* a chemical reaction in which there is a transfer of electrons from one molecule to another, resulting in a change in the oxidation state (or degree of electron loss or gain) of one or more atoms

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

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

ANSWERS: 142. atomic, 143. selfie, 144. reaction, 145. develop, 146. peanuts, 147. structural, 148. redox, 149. interrupted

ANSWERS: