

# Englist.me



## Vocabulary Builder Reference from...

*Kwabena Boahen: A computer that works like the brain | TED Talk*

[https://www.ted.com/talks/kwabena\\_boahen\\_a\\_computer\\_that\\_works\\_like\\_the\\_brain](https://www.ted.com/talks/kwabena_boahen_a_computer_that_works_like_the_brain)

### All Words

#### IMPORTANT

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## Session 1: Word List

### 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.

### fascinate

*v.* to attract and hold the attention of someone deeply and irresistibly

*synonym*: captivate, intrigue, mesmerize

(1) **fascinate** the public, (2) **fascinate** the young

The magic tricks **fascinated** the children.

### constantly

*adv.* all the time

*synonym*: continuously, always, frequently

(1) a **constantly** innovative enterprise, (2) a **constantly** varying mind

The mobile application industry is **constantly** changing.

### shuffle

*v.* to move or mix around in a casual or unorganized way; to walk with short, dragging steps

*synonym*: jumble, muddle, rearrange

(1) **shuffle** deck, (2) **shuffle** from side to side  
She **shuffled** the cards before dealing them to the players.

## forth

*adv.* forward, outward, or onward in location, direction, or progress; into view or consideration; with confidence, boldness, or in the open

*synonym*: forward, onwards, ahead

(1) bring **forth** a beautiful vase, (2) call **forth** demand  
I pushed **forth** with my new project, even though it would take much hard work.

## ram

*v.* to strike or push forcefully, often to cause damage; to batter or break open a door or barrier using brute force

*synonym*: crash, collide, slam

(1) **ram** the door open, (2) **ram** into the ice  
The car **rammed** into the wall, causing significant damage.

## arithmetic

*n.* the branch of mathematics that deals with numbers and numerical calculations, particularly the four basic operations of addition, subtraction, multiplication, and division

*synonym*: computation, calculation, math

(1) decimal **arithmetic**, (2) mental **arithmetic**  
The abacus is an ancient counting device that was used for **arithmetic** calculations.

## logic

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

*synonym*: reasoning, reason, ratiocination

(1) an indisputable **logic**, (2) a demonstration in **logic**  
There's no **logic** in his description.

## crazy

*adj.* stupid or not sensible; very angry

*synonym*: insane, absurd, bizarre

(1) **crazy** about cars and racing, (2) a **crazy** scheme  
The rain and thunder are **crazy** today.

## moving

*adj.* causing strong emotions or feelings, especially sadness or sympathy

*synonym*: emotional, poignant, touching

(1) **moving** experience, (2) **moving** ceremony

His **moving** speech about his struggles with addiction brought tears to the audience's eyes.

## introduction

*n.* a preliminary explanation or remarks given before the start of a text, performance, or event; the act of bringing something new into existence or introducing something to a wider audience or new market

*synonym*: initiation, preamble, prologue

(1) **introduction** education, (2) self- **introduction**

The **introduction** to the new class was informative and engaging.

## neuron

*n.* a cell that is specialized to carry information within the brain and between the brain and other parts of the body

*synonym*: nerve cell

(1) excite the **neurons**, (2) **neuron** cell body

Our body transfers information along each **neuron** using an electrical impulse.

## 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.

## outstrip

*v.* to exceed or surpass a particular, measurable quality or attribute, such as speed, efficiency, or quality

*synonym*: outdo, surpass, exceed

(1) **outstrip** competitors, (2) **outstrip** population growth

The company's sales have **outstripped** expectations for the quarter.

## 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**.

## quote

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

*synonym*: cite, reference, mention

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

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

## claim

*v.* to assert that something is true; to demand or request something as one's own; to lay legal or moral right to something; (noun) a demand or assertion of a right or something that one believes to be true

*synonym*: assert, declare, maintain

(1) **claim** responsibility, (2) false **claim**

He wants to **claim** ownership of the abandoned property.

## advantage

*n.* a condition or circumstance that puts one in a favorable or superior position; a beneficial feature or asset that someone or something has

*synonym*: benefit, edge, asset

(1) score an **advantage**, (2) take **advantage** of his weak points

One of the main **advantages** of the new product is its increased efficiency.

## numb

*adj.* unable to feel physical sensation and movement; not showing human feeling or sensitivity

*synonym*: dazed, insensitive, emotionless

(1) **numb** with cold, (2) a **numb** mind

My left arm became **numb**.

## gene

*n.* the fundamental unit of heredity and the sequence of nucleotides in DNA that codes for the creation of RNA or

protein.

*synonym* : factor, cistron

(1) **gene** expression, (2) **gene** cloning

A defective **gene** is responsible for the disease.

## 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.

## quadrillion

*n.* a number equivalent to a thousand raised to the power of five, or 10 to the 15th power; colloquially used to indicate an extremely large or theoretical number

*synonym* : one thousand million million million

(1) **quadrillion** atoms, (2) **quadrillion** dollars

The energy output of the sun is measured in **quadrillions** of watts.

## 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.

## watt

*n.* a standard unit for measuring electrical power

(1) 30- **watt** light bulb, (2) **watt** per square meter

Several hectares of land are needed to generate more than 1-mega **watt** solar power.

## boost

*v.* to improve, raise, or increase something

*synonym* : raise, advance, promote

(1) **boost** the economy, (2) **boost** flexibility

The new service helped **boost** net income by 10%.

## economy

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

*synonym*: finance, trade, business

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

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

## statistics

*n.* the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data

(1) **statistics** for cancer, (2) official **statistics**

The **statistics** demonstrate that poverty and unemployment are genuine problems.

## translate

*v.* to convert or change words into another language

*synonym*: convert, transcribe, render

(1) **translate** a document into English, (2) **translate** the emotion to a movement

**Translate** the text from Italian into English.

## 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.

## graduate

*n.* a person who has a first degree from university or college; (verb) to complete the first course of university or college and get a degree

*synonym* : alumna, alum, grad

(1) **graduate** degree program, (2) honor **graduate**

Many employers hire **graduate** trainees to train as managers.

## scan

v. to examine something hastily, with the eyes or with a machine, to get information

*synonym* : look over, scrutinize, browse

(1) **scan** the face of the man, (2) **scan** a document into PDF

She stood on the podium and **scanned** an audience.

## computation

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

*synonym* : calculation, estimation, arithmetic

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

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

## estimate

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

*synonym* : calculate, gauge, evaluate

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

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

## laptop

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

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

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

## achieve

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

*synonym* : accomplish, attain, reach

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

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

## efficiency

*n.* the state or quality of doing something well with no waste of input such as time or money

*synonym* : effectiveness, efficacy, productivity

(1) better fuel **efficiency**, (2) an energy **efficiency**

Our company must continue to strive for greater **efficiency**.

## summarize

*v.* to give a brief statement of the most important facts or ideas about something

*synonym* : recap, outline, digest

(1) **summarizes** the main ideas, (2) **summarize** text

Each chapter **summarizes** the most critical issues.

## 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**.

## pulse

*n.* the regular heartbeat as it sends blood around the body, especially when it is felt at the wrist or side of the neck; a solid regular vibration of sound, electric current, light, or other waves

*synonym* : beat, vibration, throb

(1) a weak **pulse**, (2) **pulse** waves

The cardiac monitor displays the intensity of your **pulse**.

## synapse

*n.* the fact or state of failing to finish an activity and of stopping using, making, or doing it

(1) **synapse** circuit, (2) end at a **synapse**

Animals transmit nerve impulses through **synapses**.

## interact

*v.* to communicate or react with somebody

*synonym* : cooperate, combine, collaborate

(1) **interact** directly with customers, (2) **interact** with one another

He should **interact** more with his colleagues.



## bottleneck

*n.* a narrow or busy section of road or a junction where the traffic often gets slower and stops; anything that slows down development or progress, especially in business or industry

*synonym* : blockage, obstacle, barrier

(1) performance **bottleneck**, (2) **bottleneck** in production  
Memory bandwidth is a significant **bottleneck** in this computational simulation.

## literal

*adj.* adhering strictly to the exact meaning or interpretation of words or language; without exaggeration or metaphorical meaning

*synonym* : exact, precise, accurate

(1) **literal** translation, (2) **literal** understanding  
Her **literal** interpretation of the text caused her to miss the deeper meaning behind the author's words.

## serial

*adj.* consisting of or occurring in a series or sequence; relating to or involving a series or sequence of events, stories, or incidents

*synonym* : consecutive, sequential, successive

(1) **serial** killer, (2) **serial** number  
The company is launching a new line of **serial** products aimed at young adults.

## rigid

*adj.* extremely strict and difficult to change or adapt; incapable of or resistant to bending

*synonym* : strict, inflexible, stringent

(1) **rigid** rules, (2) **rigid** structure  
He was unpopular because of his **rigid** adherence to the rules.

## freeway

*n.* a major highway designed for high-speed traffic, with no stoplights or grade crossings and having interchanges or access roads to other highways

*synonym* : highway, expressway, motorway

(1) **freeway** exit, (2) expanded **freeway**

We got stuck in a traffic jam on the **freeway** for over an hour.

## lockstep

*n.* a way of walking in which people's strides are perfectly synchronized; rigid conformity to a particular plan or set of actions

*synonym*: uniformity, synchronicity, conformity

(1) follow the rules in **lockstep**, (2) work in **lockstep**

The dancers moved in **lockstep**, perfectly synchronized with one another.

## parallel

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

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

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

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

## fluid

*n.* a substance that can flow and is not solid

*synonym*: liquid, aqua, sap

(1) plenty of **fluids**, (2) **fluid** assets

She was diagnosed with a **fluid** buildup in her lungs.

## dynamic

*adj.* having a lot of energy, ideas, and enthusiasm, and a strong personality; of or relating to dynamics (= the branch of physics and engineering concerned with the forces that cause motions of bodies)

*synonym*: energetic, active, vital

(1) a **dynamic** market, (2) **dynamic** person

The sprinter has a **dynamic** way of running.

## adaptive

*adj.* capable of adjusting to new situations or changing conditions

*synonym*: flexible, adjustable, pliant

(1) the **adaptive** coloring, (2) **adaptive** technology

The **adaptive** learning system adjusts the difficulty level of the lessons based on the student's performance.

## technological

*adj.* based on scientific and industrial progress

*synonym* : specialized, technical

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

**Technological** advances have disrupted many industries.

## slide

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

*synonym* : glide, drift, drop

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

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

## remarkable

*adj.* worthy of attention because unusual or special

*synonym* : outstanding, exceptional, extraordinary

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

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

## convergent

*adj.* tending to come together or meet at a point; merging or intersecting; characterized by similarities or commonalities, particularly in different fields or areas of knowledge

*synonym* : merging, meeting

(1) **convergent** beam, (2) **convergent** thinking

The similarities between the two cultures suggest

**convergent** evolution.

## compute

*v.* to make a mathematical calculation

*synonym* : calculate

(1) **compute** an average score, (2) **compute** the value

I tried to **compute** the efficiency of the investment.

## 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.

## 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.

## drain

*v.* to empty or dry something by removing the liquid from it  
*synonym*: draw off, bleed

(1) **drain** water from the swamp, (2) **drain** excess liquid

Push the button and let the water **drain** away.

## electrical

*adj.* relating to electricity

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

Actuators convert **electrical** pulses into motion.

## 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.

## steady

*adj.* firmly fixed, supported, or balanced; not shaking or moving

*synonym*: stable, solid, secure

(1) **steady** increase, (2) take a **steady** job

The patient's vital signs are **steady**, indicating a stable condition.

## presence

*n.* the fact or state that someone or something exists, occurs, or is present

*synonym*: existence, actuality, fact

(1) the evidence of the **presence**, (2) his majestic **presence**

The path to a solid online **presence** necessitates a high technical ability.

## represent

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

*synonym*: depict, express, describe

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

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

## absence

*n.* the fact or condition of being away from a place where they are typically anticipated to be

*synonym*: dearth, scarcity, lack

(1) **absence** from work, (2) a leave of **absence**

Another critical factor of child poverty is the father's **absence**.

## ion

*n.* an atom or molecule that has a positive or negative electrical charge caused by its losing or gained one or more electrons

(1) **ion** channel, (2) rechargeable lithium- **ion** battery

The increased concentration of **ion** of hydrogen ions in an aqueous solution makes it more acidic.

## protein

*n.* a molecule made up of a long chain of amino acids, which is essential for the structure and function of the body's tissues

(1) stress **protein**, (2) **protein** synthesis

The body needs a certain amount of **protein** to build and repair tissues.

## molecule

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

*synonym*: particle, element, atom

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

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

## membrane

*n.* a soft, thin layer that forms animal or vegetable tissue  
*synonym* : tissue layer

(1) cell **membranes**, (2) nuclear **membrane**

Loud noises might harm the fragile ear **membrane**.

## pore

*n.* a tiny hole in the skin of people or other animals that sweat can pass through; (verb) to read carefully or study attentively

*synonym* : stoma, foramen

(1) woody **pore** fungi, (2) **pore** over reference books

I was sweating at every **pore**.

## individual

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

*synonym* : person, being, self

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

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

## potassium

*n.* a chemical element with the symbol K, atomic number 19, that is essential for the functioning of living organisms

*synonym* : K, potash, potassa

(1) **potassium** rich, (2) **potassium** excretion

The patient's **potassium** levels were low, so they were advised to eat foods high in potassium, such as bananas and sweet potatoes.

## sporadic

*adj.* occurring at irregular intervals or only in a few places; scattered

*synonym* : occasional, irregular, unpredictable

(1) **sporadic** outbreaks, (2) **sporadic** attempts

The rain was falling in **sporadic** bursts.

## generate

*v.* to produce or create something; to make offspring by reproduction

*synonym* : create, yield, produce

(1) **generate** more electricity, (2) **generate** \$100 a month

The economic stimulation program would **generate** a lot of new jobs.

## sneak

*v.* to go somewhere, or take someone or something somewhere secretly or stealthily; to steal or do something secretly or stealthily

*synonym*: creep, tiptoe, smuggle

(1) **sneak** a cigarette, (2) **sneak** out of danger

The children tried to **sneak** out and eat the candy.

## simultaneously

*adv.* at the same time

*synonym*: concurrently, coincidentally, together

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

## simultaneously

Two students answered the teacher's question

**simultaneously**.

## correspond

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

*synonym*: match, equate, communicate

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

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

## 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.

## intelligence

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

*synonym*: brains, brightness, cleverness

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

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

## core

*n.* the most essential or fundamental part of something  
*synonym* : center, basis, heart

(1) the **core** of an apple, (2) **core** business activity

These gas nebulas are merely newborn galactic **cores**.

## 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.

## 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.

## byte

*n.* a unit of digital information that consists of 8 bits, typically used to represent a single character of text or a small amount of computer code

(1) **byte** code, (2) **byte** array

The computer hard drive had plenty of storage space but was running low on available **bytes**.

## traffic

*n.* the movement of vehicles, people, or goods along a route or through a transport system; the amount of such movement in a particular place or at a particular time

*synonym* : congestion, jam, flow

(1) **traffic** jam, (2) heavy **traffic**

We decided to take a detour to avoid the construction **traffic** on the main road.



- jam** *n.* a situation in which something becomes stuck because of a dense crowd of people, vehicles, etc.; a preserve of crushed fruit  
*synonym* : difficulty, mess, preserve  
(1) a traffic **jam**, (2) a jar of **jam**  
The shredder in the print room often has paper **jams**.
- random** *adj.* made, done, or happening without method, conscious decision, or any regular pattern  
*synonym* : incidental, arbitrary, unanticipated  
(1) a **random** choice, (2) bombs fell at **random**  
To find drunk drivers, police conduct **random** tests.
- suppose** *v.* to think that something is likely to be actual or possible  
*synonym* : guess, assume, presume  
(1) **suppose** you're right, (2) **suppose** beforehand  
What do you **suppose** the culprit's motive was?
- specific** *adj.* clearly defined or particular to a certain thing or situation; distinct, explicit, and precise  
*synonym* : particular, definite, distinct  
(1) **specific** instructions, (2) industry- **specific** regulations  
The scientist conducted a study that provided **specific** details about the species' behavior.
- highlight** *v.* to make something prominent, mainly so that people give it more attention  
*synonym* : feature, emphasize, stress  
(1) **highlight** a string in red, (2) **highlight** an important difference  
The introduction **highlighted** the speaker's distinguished career as a consultant
- distribute** *v.* to give something to a large number of individuals, or to spread or furnish something  
*synonym* : broadcast, disperse, hand out  
(1) **distribute** wealth evenly, (2) **distribute** video content

His estate was **distributed** to his sons.

## redundant

*adj.* unnecessarily repetitive or excessive; exceeding what is necessary or essential; characterized by unnecessary repetition or duplication of efforts

*synonym* : unnecessary, superfluous, surplus

(1) **redundant** worker, (2) **redundant** equipment

The report contained **redundant** information that could have been eliminated.

## activate

*v.* make something start working, more active or dynamic

*synonym* : mobilize, stimulate, initiate

(1) **activate** a receptor, (2) **activate** a motor

You must **activate** the software with a 16-digit key before you can use it.

## crappy

*adj.* of poor quality; not satisfactory

*synonym* : poor, unsatisfactory, inferior

(1) **crappy** service, (2) **crappy** Spanish

The food at the restaurant was **crappy** and overpriced.

## redundancy

*n.* the state of being unnecessary, especially through being able to be replaced by something else

*synonym* : surplus, excess, overabundance

(1) eliminate **redundancy**, (2) **redundancy** payment

The company had to let go of some employees due to **redundancy**.

## recover

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

*synonym* : come back, convalesce, heal

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

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

## 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.

## robust

*adj.* sturdy and healthy in form, constitution, or construction; strong enough to withstand or overcome intellectual challenges or adversity

*synonym*: healthy, strong, booming

(1) **robust** growth, (2) a **robust** appetite

The experiment yielded **robust** results that support his theory.

## locally

*adv.* in or to a specific or limited area or region; focused or restricted to a particular locality or community

*synonym*: topically, nearby, regionally

(1) buy **locally**, (2) support **locally**

The restaurant sources its ingredients **locally**, ensuring freshness and supporting local farmers.

## brittle

*adj.* easily broken, cracked, or shattered when subjected to pressure or stress; lacking flexibility or resilience; fragile

*synonym*: fragile, breakable, delicate

(1) **brittle** bones, (2) **brittle** material

The old books in the library were so **brittle** that they crumbled upon touch.

## flawless

*adj.* without any imperfections or errors; perfect or impeccable in appearance or performance

*synonym*: perfect, impeccable, faultless

(1) **flawless** execution, (2) **flawless** performance

The football team had a **flawless** season and went undefeated all year.

## retina

*n.* the innermost light-sensitive membrane covering the back wall of the eyeball

(1) **retinal** cells, (2) **retina** scanner

Damage to the **retina** may play a role in the development of glaucoma.

## eyeball

*n.* the round part of the eye of a vertebrate that is usually inside the head and, therefore, cannot be seen

(1) **eyeball** motion, (2) redness of the **eyeball**

Increased **eyeball** pressure leads to the development of glaucoma.

## writ

*n.* a written legal order or command

*synonym*: legal document, order, legal process

(1) a **writ** of summons, (2) issue a **writ**

He was served with a **writ** of eviction, giving him the notice to vacate the property.

## stream

*n.* a small, narrow river; a continuous flow of something, such as liquid, gas, people, vehicles, etc.

*synonym*: flow, current, brook

(1) the **stream** of time, (2) an endless **stream** of cars

Jet **streams** are the common name for air currents that form high in the atmosphere.

## compress

*v.* to press or squeeze together to make something take up less space

*synonym*: condense, constrict, squeeze

(1) **compress** the chest, (2) **compress** gas

She **compressed** the files into a single ZIP archive to save space on her computer.

## squeeze

*v.* to apply pressure from two or more sides; to hold someone or something tightly in your arms, usually with fondness

*synonym*: compress, crush, clamp

(1) **squeeze** a lemon, (2) **squeeze** a confession

She **squeezed** the toothpaste tube from the middle to get the last bit out.

## optic

*adj.* relating to vision or the eyes; relating to or involving light or optics

*synonym* : visual, ocular, visualized

(1) **optic** fiber, (2) **optic** illusion

The campaign ad was designed with bright colors and bold fonts for maximum **optic** impact.

## nervous

*adj.* worried and anxious about something; relating to the nerves

*synonym* : neural, anxious, uneasy

(1) development of the **nervous** system, (2) get **nervous**

He suffers from **nervous** breakdowns.

## 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**.

## algorithm

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

*synonym* : logic, method, rule

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

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

## neurobiology

*n.* a field of biology that studies the structure, function, and development of the nervous system, including the brain, spinal cord, and peripheral nerves encompassing a wide range of research topics, including the molecular and cellular processes involved in neural signaling, the organization of neural circuits, and the neural basis of behavior, cognition, and emotion

*synonym* : brain science, neural science, neurology

(1) **neurobiology** research, (2) cellular **neurobiology**

The professor's research in **neurobiology** has led to

groundbreaking discoveries in the field of brain science.

## reverse

*v.* to change something's direction, order, position, decision, etc., to the opposite one; (adjective) directed or moving toward the rear

*synonym*: overturn, shift, switch

(1) **reverse** the trend, (2) **reverse** the order

The restaurant **reversed** a ban on smoking.

## 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.

## blueprint

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

*synonym*: draft, prototype, sketch

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

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

## 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.

## nod

*v.* to lower and raise one's head, sometimes several times, as to show approval, agreement, greeting, or confirmation

*synonym*: respond, acknowledge, greet

(1) **nod** at each other, (2) **nod** courteously

She **noded** quietly in response to the question.

## 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**.

## essentially

*adv.* relating to the essential features or concepts of anything

*synonym* : fundamentally, basically, virtually

(1) **essentially** correct, (2) become **essentially** same

**Essentially**, a society is an organism.

## architecture

*n.* the art and science of designing and constructing buildings

*synonym* : design, structure, layout

(1) **architecture** design, (2) classic **architecture**

The city is known for its impressive **architecture** and beautiful old buildings.

## artificial

*adj.* not natural and made by human beings; not real but produced to resemble something

*synonym* : synthetic, man-made, manufactured

(1) **artificial** flowers, (2) **artificial** environment

The **artificial** intelligence system has revolutionized the way we live and work.

## lens

*n.* a transparent optical device with curved sides, used in an optical instrument that makes objects seem larger, smaller, clearer, etc.; (metaphor) the basic thoughts or mindsets through which someone sees or understands the environment or situation

*synonym* : glass

(1) a convex **lens**, (2) a **lens** with a wide angle

The photographer took this photo using a telephoto **lens**.

## straightforward

*adj.* easy to do or understand, or simple; free from ambiguity

*synonym* : honest, candid, forthright

(1) **straightforward** manner, (2) make a **straightforward** dash

The defendant gave a **straightforward** and accurate description of the accident.

## 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.

## contrast

*v.* to put in opposition to show or emphasize differences

*synonym*: differ, vary, counterpoint

(1) **contrast** with a decade ago, (2) **contrast** two things  
It's intriguing to compare and **contrast** the two authors.

## background

*n.* the details of a person's social heritage, such as family, vocational or educational experience; past information that is essential to understanding a situation or problem

*synonym*: ground, experience, backdrop

(1) a **background** color, (2) a criminal **background**

The company's hiring criteria emphasize personality, not a person's **background**.

## movement

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

*synonym*: motion, progression, action

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

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

## fiber

*n.* thread or filament used to make a vegetable tissue, mineral material, or textile



*synonym* : yarn, thread, wool

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

We must consume dietary **fiber** to maintain good health.

## duplicate

v. to make or be an exact copy of something; to reproduce something

*synonym* : copy, replicate, reproduce

(1) **duplicate** my efforts, (2) **duplicate** his action

I need to **duplicate** this document before I send it.

## snapshot

n. an informal photograph, especially one taken quickly

*synonym* : photo, picture, print

(1) take a **snapshot**, (2) developed **snapshot**

There were framed **snapshots** of family and friends in her room.

## sparse

adj. only in small quantities or numbers and often spread over a wide area

*synonym* : scarce, exiguous, infrequent

(1) a **sparse** population, (2) **sparse** snowfall

There is a **sparse** area between galaxies.

## capture

v. to catch a person or an animal and confine them in an area which they cannot escape

*synonym* : catch, arrest, imprison

(1) **capture** a glimpse, (2) **capture** customers' hearts

I was able to **capture** the moment on film.

## reconstruct

v. to build or form something again that has been damaged or destroyed

*synonym* : rebuild, revamp, reorganize

(1) **reconstruct** an image, (2) **reconstruct** the original text

They've decided to **reconstruct** a ruined castle.

## recognize

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

*synonym* : acknowledge, identify, admit

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

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

## mere

*adj.* used to emphasize how insignificant or minor someone or something is

*synonym* : bare, minor, sheer

(1) **mere** acquaintance, (2) **mere** incident

He lost the election by **mere** votes.

## detect

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

*synonym* : catch, observe, notice

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

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

## catching

*adj.* attracting attention or interest; likely to be noticed or remembered; appealing or compelling

*synonym* : contagious, alluring, captivating

(1) **catching** fire, (2) **catching** disease

The **catching** scent of freshly baked bread made my mouth water.

## steel

*n.* a strong metal alloy made up of iron with typically a few tenths of a percent of carbon used for making things that need a strong structure

*synonym* : iron

(1) magnetic **steel**, (2) **steel** beam

This bridge is the third largest **steel** bridge in the world.

## modify

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

*synonym* : adjust, alter, revise

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

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

## 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.

## creative

*adj.* relating to or involving the use of skill and original and unusual ideas to create something

*synonym*: imaginative, innovative, inventive

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

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

## quest

*n.* a long or challenging search for something

*synonym*: exploration, inquisition, pursuit

(1) the **quest** for truth, (2) on a **quest** for happiness

That adventurer traveled in **quest** of buried treasure.

## confer

*v.* to have a meeting or discussion to come to a decision or agreement or exchange ideas; to bestow something

*synonym*: consult, meet, discuss

(1) **confer** degree, (2) **confer** honor

The leaders of the two countries met to **confer** on the issue.

## gut

*n.* the long tube in the body of a person or animal through which food passes when it leaves the stomach; the mental strength or bravery required to do something difficult or unpleasant

*synonym*: belly, abdomen, courage

(1) the blind **gut**, (2) **gut** feelings

He told me a **gut-wrenching** truth about my parent's death.

## 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.

## brute

*n.* a violent, wild, or feral animal; a person who is cruel, uncivilized, or lacking in intelligence or sensitivity; a physical force or power

*synonym*: beast, savage, animal

(1) **brute** beasts, (2) **brute** force

The **brute** behavior of the football players caused the game to be canceled.

## elegant

*adj.* pleasing and graceful in appearance or manner, or showing good taste and refinement

*synonym*: refined, sophisticated, graceful

(1) **elegant** design, (2) write **elegant** sentences

She wore an **elegant** evening gown to the gala.

## fiction

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

*synonym*: fantasy, fable, invention

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

Truth is stranger than **fiction**.

## hype

*n.* advertisements and media discussions informing the public about a product and how nice or vital it is

*synonym*: hoopla, ballyhoo, advertising

(1) media **hype**, (2) emotional **hype**

The audience was not duped by the media's **hype** around the event.

## perspective

*n.* a confident attitude toward something; a particular style of thinking about something

*synonym*: viewpoint, standpoint, outlook

(1) a **perspective** view, (2) the **perspective** of the battle

His father's death changed his whole **perspective** on life.

## evolve

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

*synonym*: develop, mature, grow

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

Eyeless fish **evolved** in dark caves.

## infusion

n. a liquid, especially one containing medicine that is introduced into the body through a vein, muscle, or joint; the act of adding such liquid

*synonym*: injection, transfusion, instillation

(1) **infusion** therapy, (2) **infusion** pump

The nurse prepared an **infusion** of pain medication for the patient.

## contribute

v. to give something, especially money or goods, to provide or achieve something together with other people

*synonym*: donate, devote, commit

(1) **contribute** a large sum of money to the fund,

(2) **contribute** to society

Government workers cannot **contribute** to political campaigns.

## Session 2: Spelling

- |                          |  |
|--------------------------|--|
| 1. a private ind_____al  | <i>n.</i> a single person or thing, as distinct from a group   |
| 2. ou_____ip competitors | <i>v.</i> to exceed or surpass a particular, measurable quality or attribute, such as speed, efficiency, or quality  |
| 3. de____t a bad event   | <i>v.</i> to find or recognize something, especially something difficult to see, hear, etc.  |
| 4. co_____e electricity  | <i>v.</i> to spend something, especially fuel, energy, or time, in a large amount  |
| 5. g__e expression       | <i>n.</i> the fundamental unit of heredity and the sequence of nucleotides in DNA that codes for the creation of RNA or protein.   |
| 6. work in lo_____ep     | <i>n.</i> a way of walking in which people's strides are perfectly synchronized; rigid conformity to a particular plan or set of actions                                   |
| 7. po_____um rich        | <i>n.</i> a chemical element with the symbol K, atomic number 19, that is essential for the functioning of living organisms  |
| 8. 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 |
| 9. mo____y my behavior   | <i>v.</i> to change something slightly, such as a plan, option, law, etc., especially to make it more suitable for a particular purpose                                    |

ANSWERS: 1. individual, 2. outstrip, 3. detect, 4. consume, 5. gene, 6. lockstep, 7. potassium, 8. clip, 9. modify

10. su\_\_\_\_\_e you're right      *v.* to think that something is likely to be actual or possible
11. fa\_\_\_\_\_te the public      *v.* to attract and hold the attention of someone deeply and irresistibly
12. li\_\_\_\_\_l translation      *adj.* adhering strictly to the exact meaning or interpretation of words or language; without exaggeration or metaphorical meaning
13. re\_\_\_\_\_r approval ratings      *v.* to return to a former condition, health, mind, or strength
14. follow the rules in lo\_\_\_\_\_ep      *n.* a way of walking in which people's strides are perfectly synchronized; rigid conformity to a particular plan or set of actions
15. sl\_\_\_e a card across the table      *v.* to move or cause to move smoothly along a surface without interruption
16. in\_\_\_\_\_ct directly with customers      *v.* to communicate or react with somebody
17. a traffic j\_m      *n.* a situation in which something becomes stuck because of a dense crowd of people, vehicles, etc.; a preserve of crushed fruit
18. better fuel eff\_\_\_\_\_cy      *n.* the state or quality of doing something well with no waste of input such as time or money
19. con\_\_\_\_\_te a large sum of money to the fund      *v.* to give something, especially money or goods, to provide or achieve something together with other people
20. have an in\_\_\_\_\_nt dislike      *adj.* existing in something as a permanent, essential, or characteristic attribute

ANSWERS: 10. suppose, 11. fascinate, 12. literal, 13. recover, 14. lockstep, 15. slide, 16. interact, 17. jam, 18. efficiency, 19. contribute, 20. inherent

21. a convex l\_\_s *n.* a transparent optical device with curved sides, used in an optical instrument that makes objects seem larger, smaller, clearer, etc.; (metaphor) the basic thoughts or mindsets through which someone sees or understands the environment or situation
22. false cl\_\_m *v.* to assert that something is true; to demand or request something as one's own; to lay legal or moral right to something; (noun) a demand or assertion of a right or something that one believes to be true
23. c\_\_e business activity *n.* the most essential or fundamental part of something
24. an indisputable lo\_\_c *n.* a way of thinking or reasoning conducted or evaluated by strict validity principles; the study of correct reasoning or good arguments
25. excite the ne\_\_\_ns *n.* a cell that is specialized to carry information within the brain and between the brain and other parts of the body
26. an int\_\_\_\_\_nce test *n.* the ability to learn, comprehend, or make judgments or conclusions based on reasons
27. theory of com\_\_\_\_\_on *n.* the act or process of calculating something, especially an answer or amount, by using a machine or calculator

ANSWERS: 21. lens, 22. claim, 23. core, 24. logic, 25. neuron, 26. intelligence, 27. computation



28. re\_\_\_al cells *n.* the innermost light-sensitive membrane covering the back wall of the eyeball
29. sl\_\_e a glance *v.* to move or cause to move smoothly along a surface without interruption
30. ac\_\_\_\_\_e success *v.* to successfully complete a task or goal, often through hard work, perseverance, and dedication; to attain or accomplish something that one has set out to do
31. a l\_\_s with a wide angle *n.* a transparent optical device with curved sides, used in an optical instrument that makes objects seem larger, smaller, clearer, etc.; (metaphor) the basic thoughts or mindsets through which someone sees or understands the environment or situation
32. es\_\_\_\_\_te a fair value *v.* to guess or calculate the cost, size, value, etc. of something
33. bombs fell at ra\_\_\_m *adj.* made, done, or happening without method, conscious decision, or any regular pattern
34. qua\_\_\_\_\_on dollars *n.* a number equivalent to a thousand raised to the power of five, or 10 to the 15th power; colloquially used to indicate an extremely large or theoretical number
35. a jar of j\_m *n.* a situation in which something becomes stuck because of a dense crowd of people, vehicles, etc.; a preserve of crushed fruit
36. sp\_\_\_\_\_ic attempts *adj.* occurring at irregular intervals or only in a few places; scattered

ANSWERS: 28. retina, 29. slide, 30. achieve, 31. lens, 32. estimate, 33. random, 34. quadrillion, 35. jam, 36. sporadic

37. classic arc\_\_\_\_\_ure *n.* the art and science of designing and constructing buildings
38. cr\_\_\_y Spanish *adj.* of poor quality; not satisfactory
39. cr\_\_\_\_\_ve writing *adj.* relating to or involving the use of skill and original and unusual ideas to create something
40. bring my la\_\_\_p *n.* a portable computer that is small enough to be carried around easily and used on your lap
41. ca\_\_\_\_\_e customers' hearts *v.* to catch a person or an animal and confine them in an area which they cannot escape
42. call fo\_\_h demand *adv.* forward, outward, or onward in location, direction, or progress; into view or consideration; with confidence, boldness, or in the open
43. fl\_\_d assets *n.* a substance that can flow and is not solid
44. mental ari\_\_\_\_\_ic *n.* the branch of mathematics that deals with numbers and numerical calculations, particularly the four basic operations of addition, subtraction, multiplication, and division
45. tec\_\_\_\_\_cal advancement *adj.* based on scientific and industrial progress
46. du\_\_\_\_\_te his action *v.* to make or be an exact copy of something; to reproduce something
47. chemical re\_\_\_\_\_on *n.* a response that reveals a person's feelings or attitude; (in chemistry) a process in which one or more substances are changed into others

ANSWERS: 37. architecture, 38. crappy, 39. creative, 40. laptop, 41. capture, 42. forth, 43. fluid, 44. arithmetic, 45. technological, 46. duplicate, 47. reaction

48. el\_\_\_\_\_fy the audience      *v.* to make a machine or system work by using electricity; to make someone extremely enthusiastic about or interested in something
49. take ad\_\_\_\_\_ge of his weak points      *n.* a condition or circumstance that puts one in a favorable or superior position; a beneficial feature or asset that someone or something has
50. al\_\_\_\_\_hm for image processing      *n.* a set of rules or rigorous instructions typically used to solve a specific problem or to perform a computation
51. co\_\_\_\_\_ss gas      *v.* to press or squeeze together to make something take up less space
52. the evidence of the pr\_\_\_\_\_ce      *n.* the fact or state that someone or something exists, occurs, or is present
53. rec\_\_\_\_\_ct an image      *v.* to build or form something again that has been damaged or destroyed
54. red\_\_\_\_\_cy payment      *n.* the state of being unnecessary, especially through being able to be replaced by something else
55. 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
56. a leave of ab\_\_\_\_\_e      *n.* the fact or condition of being away from a place where they are typically anticipated to be

ANSWERS: 48. electrify, 49. advantage, 50. algorithm, 51. compress, 52. presence, 53. reconstruct, 54. redundancy, 55. process, 56. absence

57. tra\_\_\_\_\_or radio *n.* a semiconductor device that can be used to amplify or switch electronic signals and power which is an essential component in modern electronics
58. re\_\_\_\_\_nt worker *adj.* unnecessarily repetitive or excessive; exceeding what is necessary or essential; characterized by unnecessary repetition or duplication of efforts
59. non-fi\_\_\_\_\_n bestseller *n.* the type of book or story, especially novels, that describes imaginary events and people; anything made up or imagined that is not true
60. a per\_\_\_\_\_ve view *n.* a confident attitude toward something; a particular style of thinking about something
61. thin-and-light la\_\_\_p *n.* a portable computer that is small enough to be carried around easily and used on your lap
62. re\_\_\_\_\_ze achievement *v.* to acknowledge or realize something or someone; to identify, remember, or become aware of something that was previously known or encountered
63. art\_\_\_\_\_al environment *adj.* not natural and made by human beings; not real but produced to resemble something
64. re\_\_\_\_\_nt by a diagram *v.* to speak, act, or be present on behalf of another person or group; to form or constitute
65. se\_\_\_l killer *adj.* consisting of or occurring in a series or sequence; relating to or involving a series or sequence of events, stories, or incidents

ANSWERS: 57. transistor, 58. redundant, 59. fiction, 60. perspective, 61. laptop, 62. recognize, 63. artificial, 64. represent, 65. serial

66. trigger a re\_\_\_\_on *n.* a response that reveals a person's feelings or attitude; (in chemistry) a process in which one or more substances are changed into others
67. become ess\_\_\_\_\_ly same *adv.* relating to the essential features or concepts of anything
68. rechargeable lithium-i\_n battery *n.* an atom or molecule that has a positive or negative electrical charge caused by its losing or gained one or more electrons
69. a n\_\_b mind *adj.* unable to feel physical sensation and movement; not showing human feeling or sensitivity
70. a pa\_\_\_\_\_el case *adj.* being everywhere equidistant and not intersecting; of or relating to the simultaneous performance of multiple operations
71. im\_\_\_\_\_ry pregnancy *adj.* existing only in someone's mind
72. tr\_\_\_\_\_te the emotion to a movement *v.* to convert or change words into another language
73. m\_\_e acquaintance *adj.* used to emphasize how insignificant or minor someone or something is
74. sp\_\_\_\_\_ic outbreaks *adj.* occurring at irregular intervals or only in a few places; scattered
75. barren of cr\_\_\_\_\_ve spirit *adj.* relating to or involving the use of skill and original and unusual ideas to create something
76. mo\_\_\_\_g ceremony *adj.* causing strong emotions or feelings, especially sadness or sympathy

ANSWERS: 66. reaction, 67. essentially, 68. ion, 69. numb, 70. parallel, 71. imaginary, 72. translate, 73. mere, 74. sporadic, 75. creative, 76. moving

77. es\_\_\_\_te this chicken to weigh three pounds      *v.* to guess or calculate the cost, size, value, etc. of something
78. an energy eff\_\_\_\_\_cy      *n.* the state or quality of doing something well with no waste of input such as time or money
79. co\_\_\_\_\_st two things      *v.* to put in opposition to show or emphasize differences
80. str\_\_\_\_\_ard manner      *adj.* easy to do or understand, or simple; free from ambiguity
81. el\_\_\_\_\_de corrosion      *n.* either of two points or ends of a conductor at which electricity enters or leaves an object, substance, or region
82. sh\_\_\_\_\_e deck      *v.* to move or mix around in a casual or unorganized way; to walk with short, dragging steps
83. neu\_\_\_\_\_ogy research      *n.* a field of biology that studies the structure, function, and development of the nervous system, including the brain, spinal cord, and peripheral nerves encompassing a wide range of research topics, including the molecular and cellular processes involved in neural signaling, the organization of neural circuits, and the neural basis of behavior, cognition, and emotion
84. bl\_\_\_\_\_nt for economic reform      *n.* a photographic print of an early plan for a building or machine
85. arc\_\_\_\_\_ure design      *n.* the art and science of designing and constructing buildings

ANSWERS: 77. estimate, 78. efficiency, 79. contrast, 80. straightforward, 81. electrode, 82. shuffle, 83. neurobiology, 84. blueprint, 85. architecture

86. rem\_\_\_\_\_le achievement *adj.* worthy of attention because unusual or special
87. decision-making pr\_\_\_\_\_s *n.* a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products
88. ri\_\_d structure *adj.* extremely strict and difficult to change or adapt; incapable of or resistant to bending
89. copyrighted so\_\_\_\_\_re *n.* a set of computer programs and associated documentation and data for doing particular computational jobs
90. su\_\_\_\_\_e beforehand *v.* to think that something is likely to be actual or possible
91. sy\_\_\_\_\_e circuit *n.* the fact or state of failing to finish an activity and of stopping using, making, or doing it
92. br\_\_e force *n.* a violent, wild, or feral animal; a person who is cruel, uncivilized, or lacking in intelligence or sensitivity; a physical force or power
93. parallel com\_\_\_\_\_on *n.* the act or process of calculating something, especially an answer or amount, by using a machine or calculator
94. ev\_\_\_e *v.* to develop gradually, or to cause the development of something or someone gradually

ANSWERS: 86. remarkable, 87. process, 88. rigid, 89. software, 90. suppose, 91. synapse, 92. brute, 93. computation, 94. evolve

95. a criminal bac\_\_\_\_\_nd *n.* the details of a person's social heritage, such as family, vocational or educational experience; past information that is essential to understanding a situation or problem
96. 30-w\_\_t light bulb *n.* a standard unit for measuring electrical power
97. in\_\_\_\_\_ct with one another *v.* to communicate or react with somebody
98. tr\_\_\_\_\_te a document into English *v.* to convert or change words into another language
99. in\_\_\_\_\_on therapy *n.* a liquid, especially one containing medicine that is introduced into the body through a vein, muscle, or joint; the act of adding such liquid
100. dis\_\_\_\_\_te video content *v.* to give something to a large number of individuals, or to spread or furnish something
101. en\_\_\_\_\_er shortage *n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software
102. plenty of fl\_\_ds *n.* a substance that can flow and is not solid
103. re\_\_\_\_\_ze talent *v.* to acknowledge or realize something or someone; to identify, remember, or become aware of something that was previously known or encountered
104. get ne\_\_\_\_\_s *adj.* worried and anxious about something; relating to the nerves
105. g\_\_e cloning *n.* the fundamental unit of heredity and the sequence of nucleotides in DNA that codes for the creation of RNA or protein.

ANSWERS: 95. background, 96. watt, 97. interact, 98. translate, 99. infusion, 100. distribute, 101. engineer, 102. fluid, 103. recognize, 104. nervous, 105. gene



106. op\_\_c fiber *adj.* relating to vision or the eyes; relating to or involving light or optics
107. qu\_\_e a price *v.* to repeat or reproduce the words or statement of someone else, often acknowledging the source; to give an estimated cost or price for goods or services
108. redness of the ey\_\_\_\_l *n.* the round part of the eye of a vertebrate that is usually inside the head and, therefore, cannot be seen
109. st\_\_k a key in a lock *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
110. end at a sy\_\_\_\_e *n.* the fact or state of failing to finish an activity and of stopping using, making, or doing it
111. ca\_\_\_\_e a glimpse *v.* to catch a person or an animal and confine them in an area which they cannot escape
112. his majestic pr\_\_\_\_ce *n.* the fact or state that someone or something exists, occurs, or is present
113. the per\_\_\_\_ve of the battle *n.* a confident attitude toward something; a particular style of thinking about something
114. ac\_\_\_\_te a motor *v.* make something start working, more active or dynamic
115. s\_\_n a document into PDF *v.* to examine something hastily, with the eyes or with a machine, to get information

ANSWERS: 106. optic, 107. quote, 108. eyeball, 109. stick, 110. synapse, 111. capture, 112. presence, 113. perspective, 114. activate, 115. scan

116. bot\_\_\_\_\_ck in production *n.* a narrow or busy section of road or a junction where the traffic often gets slower and stops; anything that slows down development or progress, especially in business or industry
117. media h\_\_e *n.* advertisements and media discussions informing the public about a product and how nice or vital it is
118. so\_\_\_\_\_re architect *n.* a set of computer programs and associated documentation and data for doing particular computational jobs
119. sh\_\_\_k the tumor *v.* to become smaller, or to make something smaller in size or amount
120. ou\_\_\_\_\_ip population growth *v.* to exceed or surpass a particular, measurable quality or attribute, such as speed, efficiency, or quality
121. 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
122. dr\_\_n excess liquid *v.* to empty or dry something by removing the liquid from it
123. a c\_\_p of wood *n.* a small fragment of something broken off from the whole; a long and thin piece of potato fried in oil or fat
124. a w\_\_t of summons *n.* a written legal order or command
125. im\_\_\_\_\_ry number *adj.* existing only in someone's mind

ANSWERS: 116. bottleneck, 117. hype, 118. software, 119. shrink, 120. outstrip, 121. silicon, 122. drain, 123. chip, 124. writ, 125. imaginary

126. official sta\_\_\_\_\_cs *n.* the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data
127. short video c\_\_p *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
128. developed sn\_\_\_\_\_ot *n.* an informal photograph, especially one taken quickly
129. cr\_\_y about cars and racing *adj.* stupid or not sensible; very angry
130. bo\_\_t flexibility *v.* to improve, raise, or increase something
131. ey\_\_\_\_\_l motion *n.* the round part of the eye of a vertebrate that is usually inside the head and, therefore, cannot be seen
132. the qu\_\_t for truth *n.* a long or challenging search for something
133. ac\_\_\_\_\_e milestones *v.* to successfully complete a task or goal, often through hard work, perseverance, and dedication; to attain or accomplish something that one has set out to do
134. field of artificial int\_\_\_\_\_nce *n.* the ability to learn, comprehend, or make judgments or conclusions based on reasons
135. su\_\_\_\_\_zes the main ideas *v.* to give a brief statement of the most important facts or ideas about something
136. buy lo\_\_\_\_\_y *adv.* in or to a specific or limited area or region; focused or restricted to a particular locality or community

ANSWERS: 126. statistics, 127. clip, 128. snapshot, 129. crazy, 130. boost, 131. eyeball, 132. quest, 133. achieve, 134. intelligence, 135. summarize, 136. locally



145. ec\_\_\_\_y of scale *n.* the system by which a country or region produces manages, and distributes goods and services, including the money and finances involved in these activities; (of an airline) the lowest-priced, most basic option for seating in commercial travel
146. tracking de\_\_\_e *n.* a piece of equipment, tool, or technology that serves a particular purpose or function, often mechanical or electronic
147. sq\_\_\_\_\_e a lemon *v.* to apply pressure from two or more sides; to hold someone or something tightly in your arms, usually with fondness
148. ind\_\_\_\_\_al freedom *n.* a single person or thing, as distinct from a group
149. emotional h\_\_\_e *n.* advertisements and media discussions informing the public about a product and how nice or vital it is
150. eliminate red\_\_\_\_\_cy *n.* the state of being unnecessary, especially through being able to be replaced by something else
151. r\_m into the ice *v.* to strike or push forcefully, often to cause damage; to batter or break open a door or barrier using brute force
152. issue a w\_\_t *n.* a written legal order or command
153. cor\_\_\_\_\_nd with a foreign student *v.* to match or be similar to something else almost exactly; to exchange messages

ANSWERS: 145. economy, 146. device, 147. squeeze, 148. individual, 149. hype, 150. redundancy, 151. ram, 152. writ, 153. correspond

154. genetically mo\_\_\_y food      *v.* to change something slightly, such as a plan, option, law, etc., especially to make it more suitable for a particular purpose
155. co\_\_\_\_\_st with a decade ago      *v.* to put in opposition to show or emphasize differences
156. heavy tr\_\_\_\_\_c      *n.* the movement of vehicles, people, or goods along a route or through a transport system; the amount of such movement in a particular place or at a particular time
157. el\_\_\_\_\_fy a manufacturing process      *v.* to make a machine or system work by using electricity; to make someone extremely enthusiastic about or interested in something
158. cellular neu\_\_\_\_\_ogy      *n.* a field of biology that studies the structure, function, and development of the nervous system, including the brain, spinal cord, and peripheral nerves encompassing a wide range of research topics, including the molecular and cellular processes involved in neural signaling, the organization of neural circuits, and the neural basis of behavior, cognition, and emotion
159. architect's bl\_\_\_\_\_nt      *n.* a photographic print of an early plan for a building or machine
160. development of the ne\_\_\_\_\_s system      *adj.* worried and anxious about something; relating to the nerves
161. a ro\_\_\_t appetite      *adj.* sturdy and healthy in form, constitution, or construction; strong enough to withstand or overcome intellectual challenges or adversity

ANSWERS: 154. modify, 155. contrast, 156. traffic, 157. electrify, 158. neurobiology, 159. blueprint, 160. nervous, 161. robust

162. mo\_\_\_\_nt of troops *n.* a group of people working together to achieve a shared goal, especially a political, social, or artistic one; the process of moving or being moved, physically or figuratively
163. ex\_\_\_e rebellion *v.* to make someone feel suddenly enthusiastic or eager
164. w\_\_t per square meter *n.* a standard unit for measuring electrical power
165. b\_\_e code *n.* a unit of digital information that consists of 8 bits, typically used to represent a single character of text or a small amount of computer code
166. du\_\_\_\_\_te my efforts *v.* to make or be an exact copy of something; to reproduce something
167. mo\_\_\_\_\_le behavior *n.* a group of two or more atoms held together by attractive forces known as chemical bonds
168. dis\_\_\_\_\_te wealth evenly *v.* to give something to a large number of individuals, or to spread or furnish something
169. carbon fi\_\_r *n.* thread or filament used to make a vegetable tissue, mineral material, or textile
170. ge\_\_\_\_\_te \$100 a month *v.* to produce or create something; to make offspring by reproduction
171. ge\_\_\_\_\_te more electricity *v.* to produce or create something; to make offspring by reproduction
172. co\_\_\_\_\_e an average score *v.* to make a mathematical calculation

ANSWERS: 162. movement, 163. excite, 164. watt, 165. byte, 166. duplicate, 167. molecule, 168. distribute, 169. fiber, 170. generate, 171. generate, 172. compute

173. cell me\_\_\_\_nes *n.* a soft, thin layer that forms animal or vegetable tissue
174. ess\_\_\_\_ly correct *adv.* relating to the essential features or concepts of anything
175. stress pr\_\_\_\_n *n.* a molecule made up of a long chain of amino acids, which is essential for the structure and function of the body's tissues
176. sn\_\_k a cigarette *v.* to go somewhere, or take someone or something somewhere secretly or stealthily; to steal or do something secretly or stealthily
177. the c\_\_e of an apple *n.* the most essential or fundamental part of something
178. on a qu\_\_t for happiness *n.* a long or challenging search for something
179. r\_m the door open *v.* to strike or push forcefully, often to cause damage; to batter or break open a door or barrier using brute force
180. i\_n channel *n.* an atom or molecule that has a positive or negative electrical charge caused by its losing or gained one or more electrons
181. st\_\_\_\_y increase *adj.* firmly fixed, supported, or balanced; not shaking or moving
182. sta\_\_\_\_cs for cancer *n.* the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data
183. b\_\_e array *n.* a unit of digital information that consists of 8 bits, typically used to represent a single character of text or a small amount of computer code

ANSWERS: 173. membrane, 174. essentially, 175. protein, 176. sneak, 177. core, 178. quest, 179. ram, 180. ion, 181. steady, 182. statistics, 183. byte



184. ca\_\_\_\_\_ng fire *adj.* attracting attention or interest; likely to be noticed or remembered; appealing or compelling
185. support lo\_\_\_\_\_y *adv.* in or to a specific or limited area or region; focused or restricted to a particular locality or community
186. dy\_\_\_\_\_c person *adj.* having a lot of energy, ideas, and enthusiasm, and a strong personality; of or relating to dynamics (= the branch of physics and engineering concerned with the forces that cause motions of bodies)
187. dr\_\_n water from the swamp *v.* to empty or dry something by removing the liquid from it
188. a con\_\_\_\_\_ly innovative enterprise *adv.* all the time
189. the st\_\_\_m of time *n.* a small, narrow river; a continuous flow of something, such as liquid, gas, people, vehicles, etc.
190. take several inputs sim\_\_\_\_\_sly *adv.* at the same time
191. the ad\_\_\_\_\_ve coloring *adj.* capable of adjusting to new situations or changing conditions
192. basic br\_\_n function *n.* the organ inside the head that is responsible for one's movement, thought, memory, and feeling
193. industry-sp\_\_\_\_\_ic regulations *adj.* clearly defined or particular to a certain thing or situation; distinct, explicit, and precise
194. br\_\_e beasts *n.* a violent, wild, or feral animal; a person who is cruel, uncivilized, or lacking in intelligence or sensitivity; a physical force or power

ANSWERS: 184. catching, 185. locally, 186. dynamic, 187. drain, 188. constantly, 189. stream, 190. simultaneously, 191. adaptive, 192. brain, 193. specific, 194. brute

195. self-int\_\_\_\_\_ion *n.* a preliminary explanation or remarks given before the start of a text, performance, or event; the act of bringing something new into existence or introducing something to a wider audience or new market
196. nuclear me\_\_\_\_\_ne *n.* a soft, thin layer that forms animal or vegetable tissue
197. br\_\_\_\_\_e material *adj.* easily broken, cracked, or shattered when subjected to pressure or stress; lacking flexibility or resilience; fragile
198. re\_\_\_\_\_r a loss *v.* to return to a former condition, health, mind, or strength
199. small mo\_\_\_\_\_les *n.* a group of two or more atoms held together by attractive forces known as chemical bonds
200. re\_\_\_\_\_e the trend *v.* to change something's direction, order, position, decision, etc., to the opposite one; (adjective) directed or moving toward the rear
201. the RSA al\_\_\_\_\_hm *n.* a set of rules or rigorous instructions typically used to solve a specific problem or to perform a computation
202. the characters that re\_\_\_\_\_nt numbers *v.* to speak, act, or be present on behalf of another person or group; to form or constitute
203. hi\_\_\_\_\_ht a string in red *v.* to make something prominent, mainly so that people give it more attention
204. con\_\_\_\_\_nt beam *adj.* tending to come together or meet at a point; merging or intersecting; characterized by similarities or commonalities, particularly in different fields or areas of knowledge

ANSWERS: 195. introduction, 196. membrane, 197. brittle, 198. recover, 199. molecule, 200. reverse, 201. algorithm, 202. represent, 203. highlight, 204. convergent

205. ev\_\_\_e over the past decade      *v.* to develop gradually, or to cause the development of something or someone gradually
206. sp\_\_\_e snowfall      *adj.* only in small quantities or numbers and often spread over a wide area
207. p\_\_\_e over reference books      *n.* a tiny hole in the skin of people or other animals that sweat can pass through; *(verb)* to read carefully or study attentively
208. score an ad\_\_\_\_\_ge      *n.* a condition or circumstance that puts one in a favorable or superior position; a beneficial feature or asset that someone or something has
209. po\_\_\_\_\_um excretion      *n.* a chemical element with the symbol K, atomic number 19, that is essential for the functioning of living organisms
210. an ele\_\_\_\_\_al storm      *adj.* relating to electricity
211. tec\_\_\_\_\_cal policy      *adj.* based on scientific and industrial progress
212. take a st\_\_\_y job      *adj.* firmly fixed, supported, or balanced; not shaking or moving
213. woody p\_\_\_e fungi      *n.* a tiny hole in the skin of people or other animals that sweat can pass through; *(verb)* to read carefully or study attentively
214. re\_\_\_\_\_e the order      *v.* to change something's direction, order, position, decision, etc., to the opposite one; *(adjective)* directed or moving toward the rear

ANSWERS: 205. evolve, 206. sparse, 207. pore, 208. advantage, 209. potassium, 210. electrical, 211. technological, 212. steady, 213. pore, 214. reverse

215. br\_\_\_\_e bones *adj.* easily broken, cracked, or shattered when subjected to pressure or stress; lacking flexibility or resilience; fragile
216. ca\_\_\_\_ng disease *adj.* attracting attention or interest; likely to be noticed or remembered; appealing or compelling
217. cl\_\_m responsibility *v.* to assert that something is true; to demand or request something as one's own; to lay legal or moral right to something; (noun) a demand or assertion of a right or something that one believes to be true
218. sn\_\_k out of danger *v.* to go somewhere, or take someone or something somewhere secretly or stealthily; to steal or do something secretly or stealthily
219. hi\_\_\_\_\_ht an important difference *v.* to make something prominent, mainly so that people give it more attention
220. fl\_\_\_\_ss execution *adj.* without any imperfections or errors; perfect or impeccable in appearance or performance
221. a sp\_\_\_e population *adj.* only in small quantities or numbers and often spread over a wide area
222. a bac\_\_\_\_\_nd color *n.* the details of a person's social heritage, such as family, vocational or educational experience; past information that is essential to understanding a situation or problem
223. se\_\_\_l number *adj.* consisting of or occurring in a series or sequence; relating to or involving a series or sequence of events, stories, or incidents

ANSWERS: 215. brittle, 216. catching, 217. claim, 218. sneak, 219. highlight, 220. flawless, 221. sparse, 222. background, 223. serial

224. co\_\_\_\_e the value *v.* to make a mathematical calculation
225. pr\_\_\_\_n synthesis *n.* a molecule made up of a long chain of amino acids, which is essential for the structure and function of the body's tissues
226. a circular mo\_\_\_\_nt *n.* a group of people working together to achieve a shared goal, especially a political, social, or artistic one; the process of moving or being moved, physically or figuratively
227. sim\_\_\_\_\_sly affected *adv.* at the same time
228. co\_\_\_\_ss the chest *v.* to press or squeeze together to make something take up less space
229. de\_\_\_t smuggling across borders *v.* to find or recognize something, especially something difficult to see, hear, etc.
230. cr\_\_\_y service *adj.* of poor quality; not satisfactory
231. qu\_\_e a source *v.* to repeat or reproduce the words or statement of someone else, often acknowledging the source; to give an estimated cost or price for goods or services
232. beam of el\_\_\_\_ons *n.* a tiny particle with the negative electrical charge
233. m\_\_e incident *adj.* used to emphasize how insignificant or minor someone or something is
234. ro\_\_\_t growth *adj.* sturdy and healthy in form, constitution, or construction; strong enough to withstand or overcome intellectual challenges or adversity

ANSWERS: 224. compute, 225. protein, 226. movement, 227. simultaneously, 228. compress, 229. detect, 230. crappy, 231. quote, 232. electron, 233. mere, 234. robust

235. su\_\_\_\_\_ze text                      *v.* to give a brief statement of the most important facts or ideas about something
236. a weak pu\_\_e                      *n.* the regular heartbeat as it sends blood around the body, especially when it is felt at the wrist or side of the neck; a solid regular vibration of sound, electric current, light, or other waves
237. honor gr\_\_\_\_\_te                      *n.* a person who has a first degree from university or college; (verb) to complete the first course of university or college and get a degree
238. ne\_\_\_n cell body                      *n.* a cell that is specialized to carry information within the brain and between the brain and other parts of the body
239. take a sn\_\_\_\_\_ot                      *n.* an informal photograph, especially one taken quickly
240. a cr\_\_y scheme                      *adj.* stupid or not sensible; very angry
241. make a str\_\_\_\_\_ard dash                      *adj.* easy to do or understand, or simple; free from ambiguity
242. co\_\_\_r honor                      *v.* to have a meeting or discussion to come to a decision or agreement or exchange ideas; to bestow something
243. tr\_\_\_\_\_c jam                      *n.* the movement of vehicles, people, or goods along a route or through a transport system; the amount of such movement in a particular place or at a particular time

ANSWERS: 235. summarize, 236. pulse, 237. graduate, 238. neuron, 239. snapshot, 240. crazy, 241. straightforward, 242. confer, 243. traffic

244. pa\_\_\_\_el processing *adj.* being everywhere equidistant and not intersecting; of or relating to the simultaneous performance of multiple operations
245. gr\_\_\_\_te degree program *n.* a person who has a first degree from university or college; (verb) to complete the first course of university or college and get a degree
246. re\_\_\_\_nt equipment *adj.* unnecessarily repetitive or excessive; exceeding what is necessary or essential; characterized by unnecessary repetition or duplication of efforts
247. li\_\_\_\_l understanding *adj.* adhering strictly to the exact meaning or interpretation of words or language; without exaggeration or metaphorical meaning
248. rec\_\_\_\_ct the original text *v.* to build or form something again that has been damaged or destroyed
249. in\_\_\_\_nt risk *adj.* existing in something as a permanent, essential, or characteristic attribute
250. int\_\_\_\_ion education *n.* a preliminary explanation or remarks given before the start of a text, performance, or event; the act of bringing something new into existence or introducing something to a wider audience or new market
251. I don't care a c\_\_p *n.* a small fragment of something broken off from the whole; a long and thin piece of potato fried in oil or fat
252. con\_\_\_\_nt thinking *adj.* tending to come together or meet at a point; merging or intersecting; characterized by similarities or commonalities, particularly in different fields or areas of knowledge

ANSWERS: 244. parallel, 245. graduate, 246. redundant, 247. literal, 248. reconstruct, 249. inherent, 250. introduction, 251. chip, 252. convergent

253. synthetic fi\_\_r *n.* thread or filament used to make a vegetable tissue, mineral material, or textile
254. federal ci\_\_\_\_\_t courts *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
255. ex\_\_\_e the crowd *v.* to make someone feel suddenly enthusiastic or eager
256. write el\_\_\_\_\_t sentences *adj.* pleasing and graceful in appearance or manner, or showing good taste and refinement
257. fr\_\_\_\_\_y exit *n.* a major highway designed for high-speed traffic, with no stoplights or grade crossings and having interchanges or access roads to other highways
258. degree in ele\_\_\_\_\_al engineering *adj.* relating to electricity
259. the blind g\_t *n.* the long tube in the body of a person or animal through which food passes when it leaves the stomach; the mental strength or bravery required to do something difficult or unpleasant
260. in\_\_\_\_\_on pump *n.* a liquid, especially one containing medicine that is introduced into the body through a vein, muscle, or joint; the act of adding such liquid
261. a civil en\_\_\_\_\_er *n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software

ANSWERS: 253. fiber, 254. circuit, 255. excite, 256. elegant, 257. freeway, 258. electrical, 259. gut, 260. infusion, 261. engineer



262. re\_\_\_a scanner *n.* the innermost light-sensitive membrane covering the back wall of the eyeball
263. fa\_\_\_\_\_te the young *v.* to attract and hold the attention of someone deeply and irresistibly
264. si\_\_\_\_\_n wafer *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
265. st\_\_\_l beam *n.* a strong metal alloy made up of iron with typically a few tenths of a percent of carbon used for making things that need a strong structure
266. permanent br\_\_\_n damage *n.* the organ inside the head that is responsible for one's movement, thought, memory, and feeling
267. tra\_\_\_\_\_or circuit *n.* a semiconductor device that can be used to amplify or switch electronic signals and power which is an essential component in modern electronics
268. cor\_\_\_\_\_nd to a standard *v.* to match or be similar to something else almost exactly; to exchange messages
269. sh\_\_\_\_\_e from side to side *v.* to move or mix around in a casual or unorganized way; to walk with short, dragging steps
270. mo\_\_\_g experience *adj.* causing strong emotions or feelings, especially sadness or sympathy
271. the rem\_\_\_\_\_le breadth of knowledge *adj.* worthy of attention because unusual or special

ANSWERS: 262. retina, 263. fascinate, 264. silicon, 265. steel, 266. brain, 267. transistor, 268. correspond, 269. shuffle, 270. moving, 271. remarkable

272. platinum el\_\_\_\_\_des *n.* either of two points or ends of a conductor at which electricity enters or leaves an object, substance, or region
273. sq\_\_\_\_\_e a confession *v.* to apply pressure from two or more sides; to hold someone or something tightly in your arms, usually with fondness
274. a con\_\_\_\_\_ly varying mind *adv.* all the time
275. ab\_\_\_\_\_e from work *n.* the fact or condition of being away from a place where they are typically anticipated to be
276. pu\_\_e waves *n.* the regular heartbeat as it sends blood around the body, especially when it is felt at the wrist or side of the neck; a solid regular vibration of sound, electric current, light, or other waves
277. fl\_\_\_\_\_ss performance *adj.* without any imperfections or errors; perfect or impeccable in appearance or performance
278. sp\_\_\_\_\_ic instructions *adj.* clearly defined or particular to a certain thing or situation; distinct, explicit, and precise
279. electronic de\_\_\_e *n.* a piece of equipment, tool, or technology that serves a particular purpose or function, often mechanical or electronic
280. s\_\_n the face of the man *v.* to examine something hastily, with the eyes or with a machine, to get information

ANSWERS: 272. electrode, 273. squeeze, 274. constantly, 275. absence, 276. pulse, 277. flawless, 278. specific, 279. device, 280. scan

281. an endless st\_\_\_m of cars *n.* a small, narrow river; a continuous flow of something, such as liquid, gas, people, vehicles, etc.
282. ec\_\_\_\_\_y class *n.* the system by which a country or region produces manages, and distributes goods and services, including the money and finances involved in these activities; (of an airline) the lowest-priced, most basic option for seating in commercial travel
283. a brief ex\_\_\_\_\_t from the book *n.* a short passage taken from a book, piece of music, etc.; a substance obtained from something through a specific process; (verb) to obtain from something or to remove something by effort or force
284. decimal ari\_\_\_\_\_ic *n.* the branch of mathematics that deals with numbers and numerical calculations, particularly the four basic operations of addition, subtraction, multiplication, and division
285. g\_t feelings *n.* the long tube in the body of a person or animal through which food passes when it leaves the stomach; the mental strength or bravery required to do something difficult or unpleasant
286. qua\_\_\_\_\_on atoms *n.* a number equivalent to a thousand raised to the power of five, or 10 to the 15th power; colloquially used to indicate an extremely large or theoretical number

ANSWERS: 281. stream, 282. economy, 283. extract, 284. arithmetic, 285. gut, 286. quadrillion

287. ac\_\_\_\_te a receptor *v.* make something start working, more active or dynamic
288. art\_\_\_\_\_al flowers *adj.* not natural and made by human beings; not real but produced to resemble something
289. expanded fr\_\_\_\_\_y *n.* a major highway designed for high-speed traffic, with no stoplights or grade crossings and having interchanges or access roads to other highways
290. flow of el\_\_\_\_\_ons *n.* a tiny particle with the negative electrical charge
291. n\_d courteously *v.* to lower and raise one's head, sometimes several times, as to show approval, agreement, greeting, or confirmation
292. sh\_\_\_k with fear *v.* to become smaller, or to make something smaller in size or amount
293. n\_\_b with cold *adj.* unable to feel physical sensation and movement; not showing human feeling or sensitivity
294. a demonstration in lo\_\_c *n.* a way of thinking or reasoning conducted or evaluated by strict validity principles; the study of correct reasoning or good arguments
295. n\_d at each other *v.* to lower and raise one's head, sometimes several times, as to show approval, agreement, greeting, or confirmation

ANSWERS: 287. activate, 288. artificial, 289. freeway, 290. electron, 291. nod, 292. shrink, 293. numb, 294. logic, 295. nod

296. ad\_\_\_\_ve technology *adj.* capable of adjusting to new situations or changing conditions
297. botanical ex\_\_\_\_t *n.* a short passage taken from a book, piece of music, etc.; a substance obtained from something through a specific process; (verb) to obtain from something or to remove something by effort or force
298. co\_\_\_\_e a large of alcohol *v.* to spend something, especially fuel, energy, or time, in a large amount
299. a ra\_\_\_\_m choice *adj.* made, done, or happening without method, conscious decision, or any regular pattern
300. el\_\_\_\_t design *adj.* pleasing and graceful in appearance or manner, or showing good taste and refinement
301. ci\_\_\_\_t breaker *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
302. op\_\_c illusion *adj.* relating to vision or the eyes; relating to or involving light or optics
303. stuff of science fi\_\_\_\_n *n.* the type of book or story, especially novels, that describes imaginary events and people; anything made up or imagined that is not true
304. bo\_\_t the economy *v.* to improve, raise, or increase something

ANSWERS: 296. adaptive, 297. extract, 298. consume, 299. random, 300. elegant, 301. circuit, 302. optic, 303. fiction, 304. boost

## Session 3: Fill in the Blanks

1. The \_\_\_\_\_ of the country is struggling due to the recent political instability.  
*n.* the system by which a country or region produces manages, and distributes goods and services, including the money and finances involved in these activities; (of an airline) the lowest-priced, most basic option for seating in commercial travel
2. The scientist conducted a study that provided \_\_\_\_\_ details about the species' behavior.  
*adj.* clearly defined or particular to a certain thing or situation; distinct, explicit, and precise
3. Loud noises might harm the fragile ear \_\_\_\_\_.  
*n.* a soft, thin layer that forms animal or vegetable tissue
4. The economic stimulation program would \_\_\_\_\_ a lot of new jobs.  
*v.* to produce or create something; to make offspring by reproduction
5. All the supervisor has to do is assign tasks that make his subordinates more \_\_\_\_\_.  
*adj.* relating to or involving the use of skill and original and unusual ideas to create something
6. The \_\_\_\_\_ behavior of the football players caused the game to be canceled.  
*n.* a violent, wild, or feral animal; a person who is cruel, uncivilized, or lacking in intelligence or sensitivity; a physical force or power
7. The shredder in the print room often has paper \_\_\_\_\_.  
*n.* a situation in which something becomes stuck because of a dense crowd of people, vehicles, etc.; a preserve of crushed fruit

ANSWERS: 1. economy, 2. specific, 3. membrane, 4. generate, 5. creative, 6. brute, 7. jams

8. Two students answered the teacher's question \_\_\_\_\_.  
*adv.* at the same time
9. The shape of the DNA \_\_\_\_\_ is a double helix.  
*n.* a group of two or more atoms held together by attractive forces known as chemical bonds
10. The rain was falling in \_\_\_\_\_ bursts.  
*adj.* occurring at irregular intervals or only in a few places; scattered
11. I tried to \_\_\_\_\_ the efficiency of the investment.  
*v.* to make a mathematical calculation
12. The \_\_\_\_\_ of the dancers on stage was graceful and elegant.  
*n.* a group of people working together to achieve a shared goal, especially a political, social, or artistic one; the process of moving or being moved, physically or figuratively
13. That adventurer traveled in \_\_\_\_\_ of buried treasure.  
*n.* a long or challenging search for something
14. Many employers hire \_\_\_\_\_ trainees to train as managers.  
*n.* a person who has a first degree from university or college; (verb) to complete the first course of university or college and get a degree
15. The numbers on the sign \_\_\_\_\_ to points on the map.  
*v.* to match or be similar to something else almost exactly; to exchange messages
16. 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

ANSWERS: 8. simultaneously, 9. molecule, 10. sporadic, 11. compute, 12. movement, 13. quest, 14. graduate, 15. correspond, 16. circuit

17. There's no \_\_\_\_\_ in his description.

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

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

*adj.* based on scientific and industrial progress

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

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

20. Several hectares of land are needed to generate more than 1-mega\_\_\_\_\_ solar power.

*n.* a standard unit for measuring electrical power

21. 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

22. The abacus is an ancient counting device that was used for \_\_\_\_\_ calculations.

*n.* the branch of mathematics that deals with numbers and numerical calculations, particularly the four basic operations of addition, subtraction, multiplication, and division

23. One of the main \_\_\_\_\_ of the new product is its increased efficiency.

*n.* a condition or circumstance that puts one in a favorable or superior position; a beneficial feature or asset that someone or something has

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

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

ANSWERS: 17. logic, 18. Technological, 19. intelligence, 20. watt, 21. reaction, 22. arithmetic, 23. advantages, 24. engineer



25. My left arm became \_\_\_\_\_.

*adj.* unable to feel physical sensation and movement; not showing human feeling or sensitivity

26. The report contained \_\_\_\_\_ information that could have been eliminated.

*adj.* unnecessarily repetitive or excessive; exceeding what is necessary or essential; characterized by unnecessary repetition or duplication of efforts

27. The election was a \_\_\_\_\_ success for the Whigs.

*adj.* worthy of attention because unusual or special

28. He told me a \_\_\_\_\_ truth about my parent's death.

*n.* the long tube in the body of a person or animal through which food passes when it leaves the stomach; the mental strength or bravery required to do something difficult or unpleasant

29. His estate was \_\_\_\_\_ to his sons.

*v.* to give something to a large number of individuals, or to spread or furnish something

30. The \_\_\_\_\_ demonstrate that poverty and unemployment are genuine problems.

*n.* the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data

31. The car \_\_\_\_\_ into the wall, causing significant damage.

*v.* to strike or push forcefully, often to cause damage; to batter or break open a door or barrier using brute force

32. The city is known for its impressive \_\_\_\_\_ and beautiful old buildings.

*n.* the art and science of designing and constructing buildings

ANSWERS: 25. numb, 26. redundant, 27. remarkable, 28. gut-wrenching, 29. distributed, 30. statistics, 31. rammed, 32. architecture

33. The body needs a certain amount of \_\_\_\_\_ to build and repair tissues.  
*n.* a molecule made up of a long chain of amino acids, which is essential for the structure and function of the body's tissues
34. She \_\_\_\_\_ quietly in response to the question.  
*v.* to lower and raise one's head, sometimes several times, as to show approval, agreement, greeting, or confirmation
35. The mobile application industry is \_\_\_\_\_ changing.  
*adv.* all the time
36. She wore an \_\_\_\_\_ evening gown to the gala.  
*adj.* pleasing and graceful in appearance or manner, or showing good taste and refinement
37. The company specializes in both hardware and \_\_\_\_\_.  
*n.* a set of computer programs and associated documentation and data for doing particular computational jobs
38. He was unpopular because of his \_\_\_\_\_ adherence to the rules.  
*adj.* extremely strict and difficult to change or adapt; incapable of or resistant to bending
39. The similarities between the two cultures suggest \_\_\_\_\_ evolution.  
*adj.* tending to come together or meet at a point; merging or intersecting; characterized by similarities or commonalities, particularly in different fields or areas of knowledge
40. The football team had a \_\_\_\_\_ season and went undefeated all year.  
*adj.* without any imperfections or errors; perfect or impeccable in appearance or performance

ANSWERS: 33. protein, 34. nodded, 35. constantly, 36. elegant, 37. software, 38. rigid, 39. convergent, 40. flawless

41. He lost the election by \_\_\_\_\_ votes.

*adj.* used to emphasize how insignificant or minor someone or something is

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

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

43. You must \_\_\_\_\_ the software with a 16-digit key before you can use it.

*v.* make something start working, more active or dynamic

44. The leaders of the two countries met to \_\_\_\_\_ on the issue.

*v.* to have a meeting or discussion to come to a decision or agreement or exchange ideas; to bestow something

45. The audience was not duped by the media's \_\_\_\_\_ around the event.

*n.* advertisements and media discussions informing the public about a product and how nice or vital it is

46. Memory bandwidth is a significant \_\_\_\_\_ in this computational simulation.

*n.* a narrow or busy section of road or a junction where the traffic often gets slower and stops; anything that slows down development or progress, especially in business or industry

47. She \_\_\_\_\_ the toothpaste tube from the middle to get the last bit out.

*v.* to apply pressure from two or more sides; to hold someone or something tightly in your arms, usually with fondness

48. This bridge is the third largest \_\_\_\_\_ bridge in the world.

*n.* a strong metal alloy made up of iron with typically a few tenths of a percent of carbon used for making things that need a strong structure

ANSWERS: 41. mere, 42. algorithm, 43. activate, 44. confer, 45. hype, 46. bottleneck, 47. squeezed, 48. steel

49. She was diagnosed with a \_\_\_\_\_ buildup in her lungs.

*n.* a substance that can flow and is not solid

50. 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

51. The company's sales have \_\_\_\_\_ expectations for the quarter.

*v.* to exceed or surpass a particular, measurable quality or attribute, such as speed, efficiency, or quality

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

*adj.* relating to electricity

53. The sprinter has a \_\_\_\_\_ way of running.

*adj.* having a lot of energy, ideas, and enthusiasm, and a strong personality; of or relating to dynamics (= the branch of physics and engineering concerned with the forces that cause motions of bodies)

54. To find drunk drivers, police conduct \_\_\_\_\_ tests.

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

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

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

56. The path to a solid online \_\_\_\_\_ necessitates a high technical ability.

*n.* the fact or state that someone or something exists, occurs, or is present

ANSWERS: 49. fluid, 50. electrify, 51. outstripped, 52. electrical, 53. dynamic, 54. random, 55. inherent, 56. presence

57. The researcher demonstrated the superiority of quantum \_\_\_\_\_ in several mathematical tasks.
- n.* the act or process of calculating something, especially an answer or amount, by using a machine or calculator
58. 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
59. He should \_\_\_\_\_ more with his colleagues.
- v.* to communicate or react with somebody
60. The nurse prepared an \_\_\_\_\_ of pain medication for the patient.
- n.* a liquid, especially one containing medicine that is introduced into the body through a vein, muscle, or joint; the act of adding such liquid
61. I pushed \_\_\_\_\_ with my new project, even though it would take much hard work.
- adv.* forward, outward, or onward in location, direction, or progress; into view or consideration; with confidence, boldness, or in the open
62. This shirt will \_\_\_\_\_ in the wash.
- v.* to become smaller, or to make something smaller in size or amount
63. It's intriguing to compare and \_\_\_\_\_ the two authors.
- v.* to put in opposition to show or emphasize differences
64. The \_\_\_\_\_ intelligence system has revolutionized the way we live and work.
- adj.* not natural and made by human beings; not real but produced to resemble something

ANSWERS: 57. computation, 58. transistor, 59. interact, 60. infusion, 61. forth, 62. shrink, 63. contrast, 64. artificial

65. The increased concentration \_\_\_\_ of hydrogen ions in an aqueous solution makes it more acidic.
- n.* an atom or molecule that has a positive or negative electrical charge caused by its losing or gained one or more electrons
66. If necessary, you can \_\_\_\_\_ the front seats forward.
- v.* to move or cause to move smoothly along a surface without interruption
67. Our company must continue to strive for greater \_\_\_\_\_.
- n.* the state or quality of doing something well with no waste of input such as time or money
68. The new service helped \_\_\_\_\_ net income by 10%.
- v.* to improve, raise, or increase something
69. The restaurant sources its ingredients \_\_\_\_\_ ensuring freshness and supporting local farmers.
- adv.* in or to a specific or limited area or region; focused or restricted to a particular locality or community
70. The patient's \_\_\_\_\_ levels were low, so they were advised to eat foods high in potassium, such as bananas and sweet potatoes.
- n.* a chemical element with the symbol K, atomic number 19, that is essential for the functioning of living organisms
71. We got stuck in a traffic jam on the \_\_\_\_\_ for over an hour.
- n.* a major highway designed for high-speed traffic, with no stoplights or grade crossings and having interchanges or access roads to other highways
72. The \_\_\_\_\_ scent of freshly baked bread made my mouth water.
- adj.* attracting attention or interest; likely to be noticed or remembered; appealing or compelling

ANSWERS: 65. ion, 66. slide, 67. efficiency, 68. boost, 69. locally, 70. potassium, 71. freeway, 72. catching

73. As an \_\_\_\_\_ he had the right to make his own decisions and live his life as he saw fit.
- n.* a single person or thing, as distinct from a group
74. She \_\_\_\_\_ the files into a single ZIP archive to save space on her computer.
- v.* to press or squeeze together to make something take up less space
75. We use adverbs to \_\_\_\_\_ verbs and adjectives.
- v.* to change something slightly, such as a plan, option, law, etc., especially to make it more suitable for a particular purpose
76. Push the button and let the water \_\_\_\_\_ away.
- v.* to empty or dry something by removing the liquid from it
77. We decided to take a detour to avoid the construction \_\_\_\_\_ on the main road.
- n.* the movement of vehicles, people, or goods along a route or through a transport system; the amount of such movement in a particular place or at a particular time
78. We elected him to \_\_\_\_\_ us at the international conference.
- v.* to speak, act, or be present on behalf of another person or group; to form or constitute
79. The patient's vital signs are \_\_\_\_\_ indicating a stable condition.
- adj.* firmly fixed, supported, or balanced; not shaking or moving
80. She \_\_\_\_\_ the cards before dealing them to the players.
- v.* to move or mix around in a casual or unorganized way; to walk with short, dragging steps

ANSWERS: 73. individual, 74. compressed, 75. modify, 76. drain, 77. traffic, 78. represent, 79. steady, 80. shuffled

81. The dancers moved in \_\_\_\_\_ perfectly synchronized with one another.  
*n.* a way of walking in which people's strides are perfectly synchronized; rigid conformity to a particular plan or set of actions
82. Increased \_\_\_\_\_ pressure leads to the development of glaucoma.  
*n.* the round part of the eye of a vertebrate that is usually inside the head and, therefore, cannot be seen
83. 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
84. I will work hard to \_\_\_\_\_ my goals and realize my dreams.  
*v.* to successfully complete a task or goal, often through hard work, perseverance, and dedication; to attain or accomplish something that one has set out to do
85. The company is launching a new line of \_\_\_\_\_ products aimed at young adults.  
*adj.* consisting of or occurring in a series or sequence; relating to or involving a series or sequence of events, stories, or incidents
86. He wants to \_\_\_\_\_ ownership of the abandoned property.  
*v.* to assert that something is true; to demand or request something as one's own; to lay legal or moral right to something; (noun) a demand or assertion of a right or something that one believes to be true
87. I was able to \_\_\_\_\_ the moment on film.  
*v.* to catch a person or an animal and confine them in an area which they cannot escape
88. \_\_\_\_\_ the text from Italian into English.  
*v.* to convert or change words into another language

ANSWERS: 81. lockstep, 82. eyeball, 83. chip, 84. achieve, 85. serial, 86. claim, 87. capture, 88. Translate



89. \_\_\_\_\_ 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
90. It's important to \_\_\_\_\_ your strengths and weaknesses.
- v.* to acknowledge or realize something or someone; to identify, remember, or become aware of something that was previously known or encountered
91. He walked a road \_\_\_\_\_ to the railroad.
- adj.* being everywhere equidistant and not intersecting; of or relating to the simultaneous performance of multiple operations
92. Little children tend to have \_\_\_\_\_ friends.
- adj.* existing only in someone's mind
93. He suffers from \_\_\_\_\_ breakdowns.
- adj.* worried and anxious about something; relating to the nerves
94. The restaurant \_\_\_\_\_ a ban on smoking.
- v.* to change something's direction, order, position, decision, etc., to the opposite one; (adjective) directed or moving toward the rear
95. I was sweating at every \_\_\_\_\_.
- n.* a tiny hole in the skin of people or other animals that sweat can pass through; (verb) to read carefully or study attentively
96. Our body transfers information along each \_\_\_\_\_ using an electrical impulse.
- n.* a cell that is specialized to carry information within the brain and between the brain and other parts of the body

ANSWERS: 89. Silicon, 90. recognize, 91. parallel, 92. imaginary, 93. nervous, 94. reversed, 95. pore, 96. neuron

97. We \_\_\_\_\_ the season's total trade deficit at \$50 billion.  
*v.* to guess or calculate the cost, size, value, etc. of something
98. The cardiac monitor displays the intensity of your \_\_\_\_\_.  
*n.* the regular heartbeat as it sends blood around the body, especially when it is felt at the wrist or side of the neck; a solid regular vibration of sound, electric current, light, or other waves
99. His father's death changed his whole \_\_\_\_\_ on life.  
*n.* a confident attitude toward something; a particular style of thinking about something
100. He was served with a \_\_\_\_\_ of eviction, giving him the notice to vacate the property.  
*n.* a written legal order or command
101. \_\_\_\_\_ a society is an organism.  
*adv.* relating to the essential features or concepts of anything
102. The outermost \_\_\_\_\_ shell determines the chemical properties of an atom.  
*n.* a tiny particle with the negative electrical charge
103. The professor's research in \_\_\_\_\_ has led to groundbreaking discoveries in the field of brain science.  
*n.* a field of biology that studies the structure, function, and development of the nervous system, including the brain, spinal cord, and peripheral nerves encompassing a wide range of research topics, including the molecular and cellular processes involved in neural signaling, the organization of neural circuits, and the neural basis of behavior, cognition, and emotion

ANSWERS: 97. estimated, 98. pulse, 99. perspective, 100. writ, 101. Essentially, 102. electron, 103. neurobiology

104. The energy output of the sun is measured in \_\_\_\_\_ of watts.
- n.* a number equivalent to a thousand raised to the power of five, or 10 to the 15th power; colloquially used to indicate an extremely large or theoretical number
105. The \_\_\_\_\_ learning system adjusts the difficulty level of the lessons based on the student's performance.
- adj.* capable of adjusting to new situations or changing conditions
106. 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
107. She stood on the podium and \_\_\_\_\_ an audience.
- v.* to examine something hastily, with the eyes or with a machine, to get information
108. The security camera has \_\_\_\_\_ four intruders.
- v.* to find or recognize something, especially something difficult to see, hear, etc.
109. I need to finish this report by tonight, so I'll be working on my \_\_\_\_\_ all day.
- n.* a portable computer that is small enough to be carried around easily and used on your lap
110. The campaign ad was designed with bright colors and bold fonts for maximum \_\_\_\_\_ impact.
- adj.* relating to vision or the eyes; relating to or involving light or optics
111. Government workers cannot \_\_\_\_\_ to political campaigns.
- v.* to give something, especially money or goods, to provide or achieve something together with other people

ANSWERS: 104. quadrillions, 105. adaptive, 106. electrodes, 107. scanned, 108. detected, 109. laptop, 110. optic, 111. contribute

112. The children tried to \_\_\_\_\_ out and eat the candy.

- v.* to go somewhere, or take someone or something somewhere secretly or stealthily; to steal or do something secretly or stealthily

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

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

114. A defective \_\_\_\_\_ is responsible for the disease.

- n.* the fundamental unit of heredity and the sequence of nucleotides in DNA that codes for the creation of RNA or protein.

115. There is a \_\_\_\_\_ area between galaxies.

- adj.* only in small quantities or numbers and often spread over a wide area

116. The computer hard drive had plenty of storage space but was running low on available \_\_\_\_\_.

- n.* a unit of digital information that consists of 8 bits, typically used to represent a single character of text or a small amount of computer code

117. In his speech, he \_\_\_\_\_ a famous philosopher to emphasize his point.

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

118. Jet \_\_\_\_\_ are the common name for air currents that form high in the atmosphere.

- n.* a small, narrow river; a continuous flow of something, such as liquid, gas, people, vehicles, etc.

119. The old books in the library were so \_\_\_\_\_ that they crumbled upon touch.

- adj.* easily broken, cracked, or shattered when subjected to pressure or stress; lacking flexibility or resilience; fragile

ANSWERS: 112. sneak, 113. consume, 114. gene, 115. sparse, 116. bytes, 117. quoted, 118. streams, 119. brittle

120. We must consume dietary \_\_\_\_\_ to maintain good health.  
*n.* thread or filament used to make a vegetable tissue, mineral material, or textile
121. Her \_\_\_\_\_ interpretation of the text caused her to miss the deeper meaning behind the author's words.  
*adj.* adhering strictly to the exact meaning or interpretation of words or language; without exaggeration or metaphorical meaning
122. A business plan is a \_\_\_\_\_ for your success.  
*n.* a photographic print of an early plan for a building or machine
123. Another critical factor of child poverty is the father's \_\_\_\_\_.  
*n.* the fact or condition of being away from a place where they are typically anticipated to be
124. The magic tricks \_\_\_\_\_ the children.  
*v.* to attract and hold the attention of someone deeply and irresistibly
125. The rain and thunder are \_\_\_\_\_ today.  
*adj.* stupid or not sensible; very angry
126. 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
127. The \_\_\_\_\_ to the new class was informative and engaging.  
*n.* a preliminary explanation or remarks given before the start of a text, performance, or event; the act of bringing something new into existence or introducing something to a wider audience or new market

ANSWERS: 120. fiber, 121. literal, 122. blueprint, 123. absence, 124. fascinated, 125. crazy, 126. extracting, 127. introduction

128. They've decided to \_\_\_\_\_ a ruined castle.
- v. to build or form something again that has been damaged or destroyed
129. Damage to the \_\_\_\_\_ may play a role in the development of glaucoma.
- n. the innermost light-sensitive membrane covering the back wall of the eyeball
130. The company's hiring criteria emphasize personality, not a person's \_\_\_\_\_.
- n. the details of a person's social heritage, such as family, vocational or educational experience; past information that is essential to understanding a situation or problem
131. 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
132. His \_\_\_\_\_ speech about his struggles with addiction brought tears to the audience's eyes.
- adj. causing strong emotions or feelings, especially sadness or sympathy
133. Truth is stranger than \_\_\_\_\_.
- n. the type of book or story, especially novels, that describes imaginary events and people; anything made up or imagined that is not true
134. Each chapter \_\_\_\_\_ the most critical issues.
- v. to give a brief statement of the most important facts or ideas about something
135. I need to \_\_\_\_\_ this document before I send it.
- v. to make or be an exact copy of something; to reproduce something

ANSWERS: 128. reconstruct, 129. retina, 130. background, 131. stick, 132. moving, 133. fiction, 134. summarizes, 135. duplicate

136. Eyeless fish \_\_\_\_\_ in dark caves.

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

137. These gas nebulas are merely newborn galactic \_\_\_\_\_.

- n.* the most essential or fundamental part of something

138. She is still \_\_\_\_\_ from a shot to her shoulder.

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

139. Animals transmit nerve impulses through \_\_\_\_\_.

- n.* the fact or state of failing to finish an activity and of stopping using, making, or doing it

140. The food at the restaurant was \_\_\_\_\_ and overpriced.

- adj.* of poor quality; not satisfactory

141. The introduction \_\_\_\_\_ the speaker's distinguished career as a consultant

- v.* to make something prominent, mainly so that people give it more attention

142. The experiment yielded \_\_\_\_\_ results that support his theory.

- adj.* sturdy and healthy in form, constitution, or construction; strong enough to withstand or overcome intellectual challenges or adversity

143. 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

ANSWERS: 136. evolved, 137. cores, 138. recovering, 139. synapses, 140. crappy, 141. highlighted, 142. robust, 143. device

144. 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
145. The defendant gave a \_\_\_\_\_ and accurate description of the accident.
- adj.* easy to do or understand, or simple; free from ambiguity
146. There were framed \_\_\_\_\_ of family and friends in her room.
- n.* an informal photograph, especially one taken quickly
147. 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
148. What do you \_\_\_\_\_ the culprit's motive was?
- v.* to think that something is likely to be actual or possible
149. The photographer took this photo using a telephoto \_\_\_\_\_.
- n.* a transparent optical device with curved sides, used in an optical instrument that makes objects seem larger, smaller, clearer, etc.; (metaphor) the basic thoughts or mindsets through which someone sees or understands the environment or situation
150. The news of her promotion \_\_\_\_\_ her.
- v.* to make someone feel suddenly enthusiastic or eager
151. 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

ANSWERS: 144. process, 145. straightforward, 146. snapshots, 147. clip, 148. suppose, 149. lens, 150. excited, 151. brain



152. The company had to let go of some employees due to \_\_\_\_\_.

- n.* the state of being unnecessary, especially through being able to be replaced by something else

ANSWERS: 152. redundancy