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## Vocabulary Builder Reference from...

*Christoph Keplinger: The artificial muscles that will power robots of the future | TED Talk*

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### All Words

#### IMPORTANT

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## Session 1: Word List

### compete

*v.* to strive to achieve more success than someone or something

*synonym*: contend, contest, vie

(1) **compete** against a friend, (2) **compete** fiercely

You must **compete** with others to obtain this position.

### disaster

*n.* an unexpected event or series of events that cause widespread damage, destruction, or loss of life

*synonym*: catastrophe, calamity, tragedy

(1) global **disaster**, (2) **disaster** recovery

The **disaster** response team worked around the clock to aid those affected by the earthquake.

### uneven

*adj.* not level or flat; not balanced or symmetrical

*synonym*: irregular, rough, bumpy

(1) **uneven** numbers, (2) **uneven** coating

The road was **uneven**, causing the car to bounce up and down as it drove.

### terrain

*n.* the physical features of a piece of land, including hills, valleys, rivers, and forests

*synonym*: land, geography, topography

(1) **terrain** map, (2) permafrost **terrain**

The mountainous **terrain** was rough and rocky.

## impressive

*adj.* arousing admiration due to size, quality, or skill

*synonym*: impactful, remarkable, exceptional

(1) **impressive** performances, (2) an **impressive** array of facts

The budget reduction was an **impressive** feat for our nation.

## state-of-the-art

*adj.* characterized by the use of the latest and most advanced technology or methods; cutting-edge

*synonym*: advanced, cutting-edge, innovative

(1) **state-of-the-art** technology, (2) **state-of-the-art** software

The hospital has **state-of-the-art** equipment and facilities to ensure the best healthcare for its patients.

## competition

*n.* a situation in which someone is attempting to beat or outperform another

*synonym*: contest, match, fight

(1) the first round of the **competition**, (2) intraspecific **competition**

Global **competition** is rising in virtually every industry.

## 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.

## robotic

*adj.* of or relating to mechanical robots; (robotics) the interdisciplinary branch of computer science and engineering with the practical use of robots

*synonym*: automated, mechanical, laborsaving

(1) **robotic** arm, (2) **robotic** guide operation

The surgeon removed the tumor using **robotic** video assistance.

## complexity

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

*synonym*: intricacy, sophistication, elaboration

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

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

## mechanical

*adj.* operated by a machine, relating to or concerned with machinery or tools

*synonym*: machinelike, automated, automatic

(1) a **mechanical** style of writing, (2) the influence of **mechanical** action

A **mechanical** engineer is still in demand in many companies.

## structure

*n.* the way of construction of something and the arrangement of its parts, or a complex thing constructed of many parts

*synonym*: construction, architecture, establishment

(1) the **structure** of a machine, (2) **structure** and function of the brain

The organizational **structure** of start-ups is often flat and straightforward.

## 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.

## tradition

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

*synonym* : custom, practice, ritual

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

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

## motor

*n.* a device that converts electricity, fuel, etc. into movement and makes a machine, vehicle, etc. work

*synonym* : actuator, engine, machine

(1) a **motor** mechanic, (2) DC **motor** control

Energy-efficient **motors** are needed to maximize the cruising distance of electric vehicles.

## adaptable

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

*synonym* : flexible, adjustable, elastic

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

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

## unpredictable

*adj.* not capable of being foreseen or calculated; not regular or certain

*synonym* : uncertain, variable, random

(1) dangerously **unpredictable** person, (2) **unpredictable** outcome

The weather in this region is often **unpredictable**, with sudden rainstorms and strong winds.

## progression

*n.* the act or process of changing to the next stage or phase or moving forward

*synonym* : advancement, development, evolution

(1) **progression** of civilization, (2) **progression** of disease

The company has made great strides in its **progression**

toward sustainability.

## 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**.

## primitive

*adj.* of or relating to an early stage of society with no industry or technological development; simple, naive, or old-fashioned in style

*synonym*: elementary, naive, rudimental

(1) **primitive** society, (2) artifact of a **primitive** humankind

The industry in this country is still **primitive**.

## 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.

## extensive

*adj.* covering a large area; having a wide range

*synonym*: ample, comprehensive, vast

(1) **extensive** experience, (2) have **extensive** vocabulary

The incident attracted **extensive** media coverage throughout the world.

## deform

*v.* to change or distort the shape or appearance of something; to become misshapen or distorted

*synonym*: distort, contort, mangle

(1) **deform** the shape, (2) **deform** his way of life

The heat from the fire **deformed** the plastic parts of the appliance.

## inspire

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

*synonym*: boost, encourage, enlighten

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

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

## elegance

*n.* the quality of being graceful and stylish in appearance or manner

*synonym* : grace, refinement, poise

(1) austere **elegance**, (2) natural **elegance**

The **elegance** of her dress was breathtaking.

## 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**.

## collaborate

*v.* to work with someone else to produce or achieve something

*synonym* : cooperate, unite, get together

(1) **collaborate** with the police, (2) **collaborate** on a press release

She agreed to **collaborate** with him in creating new artwork.

## component

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

*synonym* : element, part, factor

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

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

## agility

*n.* the ability to move quickly and easily, often in a way that is graceful and controlled

*synonym* : nimbleness, quickness, dexterity

(1) ninja-like **agility**, (2) **agility** training

The coach had the team run through the **agility** ladder to

improve their coordination.

## dexterity

*n.* skill and speed in performing physical tasks, especially with the hands; mental skill or adroitness in dealing with situations or problems

*synonym*: skillfulness, agility, expertise

(1) **dexterity** with the pen, (2) manual **dexterity**

The surgeon's **dexterity** was impressive during the delicate surgery.

## astonishing

*adj.* surprising or shocking; difficult to believe

*synonym*: surprising, shocking, astounding

(1) **astonishing** achievement, (2) make **astonishing** gains

The news of her sudden death was **astonishing** to everyone who knew her.

## biology

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

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

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

## masterpiece

*n.* a work of art that is exceptionally good or highly skilled; a great achievement

*synonym*: classic, chef-d'oeuvre, magnum opus

(1) literary **masterpiece**, (2) a **masterpiece** of design

The Mona Lisa is widely considered to be a **masterpiece** of art.

## evolution

*n.* a gradual process of transformation of living things

*synonym*: elaboration, expansion, transition

(1) human **evolution**, (2) **evolution** theory

They study the **evolution** of the universe.

## heal

*v.* to make a wound or injury to become well again

*synonym*: recover, bring around, mend

(1) **heal** a broken bone, (2) **heal** the hurt mind  
It will take time for her mental scars to **heal**.

## damage

*v.* to harm or cause injury to something or someone, often resulting in decreased value or functionality; to impair or negatively affect something, such as a reputation or relationship; (noun) harm or injury that is caused to a person, thing, or entity

*synonym*: harm, impair, injure

(1) **damage** a relationship, (2) **damage** assessment

During the surgery, the doctor had to be extremely cautious not to **damage** a blood vessel.

## tight

*adj.* fixed, fastened, or kept together firmly or closely

*synonym*: closed, secured, cramped

(1) a **tight** game, (2) student on a **tight** budget

The national election was held amid **tight** security.

## integrate

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

*synonym*: mix, merge, combine

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

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

## 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.

## environment

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

*synonym*: atmosphere, surroundings, climate

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



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

### contract

*n.* a legally binding agreement between two or more parties, setting out their rights and obligations to each other, typically in writing and enforceable by law

*synonym* : agreement, deal, arrangement

(1) employment **contract**, (2) **contract** law

The company signed a **contract** with the supplier for the delivery of goods.

### hummingbird

*n.* a small bird with a highly specialized beak and wings that allow it to hover in place, known for its rapid wingbeats and ability to fly in any direction

(1) **hummingbird** feeder, (2) **hummingbird** nest

Watching a **hummingbird** at a flower is like observing a miniature ballet of nature.

### versatile

*adj.* able to do many things in different fields; having many talents

*synonym* : adaptable, protean, universal

(1) provide a **versatile** solution, (2) a **versatile** writer

He's a **versatile** actor who has acted in various parts.

### octopus

*n.* a sea creature with a soft round body and eight long tentacles (= long parts like arms)

*synonym* : devilfish

(1) giant **octopus**, (2) venomous **octopus**

He experienced nausea after eating live **octopus**.

### 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.

## actuate

*v.* to cause a machine or equipment to start to work  
*synonym*: motivate, spark, drive

(1) **actuate** the circuits, (2) **actuate** a parking brake  
A desire for success **actuated** her.

## interaction

*n.* the act of connecting with someone, mainly when working, playing, or spending time with them

*synonym*: dealings, exchange, relations

(1) the **interaction** between man and his environment,  
(2) **interaction** among human beings

The **interaction** of the two groups is good for brainstorming.

## surprisingly

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

*synonym*: exceptionally, notably, unusually

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

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

## colleague

*n.* one of a group of a coworker, especially in a profession or a business

*synonym*: coworker, associate, fellow

(1) collaborate with **colleagues**, (2) former **colleague**

I decided to seek counseling on the advice of my **colleague**.

## rediscover

*v.* to discover or find again something that was previously known but lost

*synonym*: recover, get back, revive

(1) **rediscover** a value, (2) **rediscover** an old truth

The painting was **rediscovered** in an attic and turned out to be a long-lost masterpiece.

## volume

*n.* the amount of space occupied by an object or substance; the magnitude of sound

*synonym*: capacity, amount, intensity

(1) **volume** of work, (2) high **volume**

This container has a **volume** of 10 cubic meters.

## dielectric

*adj.* of or relating to a type of material that is a poor conductor of electricity, often used as an insulator in electronics; not allowing electric charges to flow easily through it

(1) **dielectric** substance, (2) **dielectric** constant

The engineer used **dielectric** insulation in the electrical wiring to prevent fires.

## 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.

## germ

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

*synonym*: bacterium, microbe, pathogen

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

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

## physicist

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

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

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

## discovery

*n.* the act or process of finding information, a place, or an object, or learning about something that was previously not known

*synonym*: finding, uncovering, detection

(1) a scientific **discovery**, (2) the great **discovery** of the century

Her research team made an important **discovery**.

## X-ray

*n.* a type of electromagnetic radiation that has a wavelength shorter than visible light allowing hidden objects such as bones and organs inside the body to be photographed

*synonym*: roentgenogram, photon radiography

(1) **X-ray** scan, (2) an **X-ray** of arteries

The doctor ordered an **X-ray** to see if there was any damage to the bones.

## instruction

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

*synonym*: education, direction, guidance

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

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

## needle

*n.* a thin, pointed object typically used for sewing or medical purposes; a metal or plastic instrument used for administering injections or drawing blood

*synonym*: thorn, spike, pin

(1) **needle** prick, (2) sewing **needle**

The acupuncturist inserted **needles** into specific points on my body to alleviate my pain.

## voltage

*n.* the difference in the force of an electric current between two points

(1) the **voltage** spiked, (2) low **voltage**

Connecting batteries in series increase the **voltage** of the circuit.

## transparent

*adj.* easy to perceive, detect, or understand; (of a material or article) permitting light to pass through freely

*synonym*: translucent, evident, diaphanous

(1) a **transparent** lie, (2) **transparent** crystal

The focus of these initiatives is to make the financial system more **transparent**.

- rub** v. to move one's hand or an object over the surface of something with pressure  
*synonym*: scrub, massage, stroke  
(1) **rub** shoulders, (2) **rub** a glass window  
She **rubbed** the sore spot on her leg to ease the pain.
- stretch** v. to make or be capable of making anything longer or broader without hurting or breaking  
*synonym*: lengthen, prolong, extend  
(1) **stretch** along the coast, (2) **stretch** a story  
Some herds have been observed to **stretch** hundreds of kilometers.
- frame** n. a strong border or structure of the wood, metal, etc. that surrounds something such as a picture, door, or window  
*synonym*: body, skeleton, scaffolding  
(1) a picture **frame**, (2) the **frame** of the policy  
The detective looked for fingerprints on the window **frame**.
- deformity** n. a physical abnormality or distortion  
*synonym*: abnormality, malformation, disfigurement  
(1) **deformity** of character, (2) physical **deformity**  
The **deformity** in the steel beam caused the bridge to collapse.
- biceps** n. a muscle located in the upper arm that enables the arm to bend at the elbow  
*synonym*: muscle, arm, flexor  
(1) flexed **biceps**, (2) **biceps** curl  
He injured his **biceps** during the game and had to sit out for the rest of the season.
- flex** v. to show off one's strength, power, or possessions; to bend or be capable of bending easily  
*synonym*: bend, stretch, extend  
(1) **flex** a finger, (2) **flex** diplomatic muscle

The gymnast was able to **flex** his muscles to perform the difficult routine.

## magic

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

*synonym* : fascination, illusion, wizardry

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

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

## practical

*adj.* of or connected with actual use or real situation rather than with theory and ideas

*synonym* : applicable, functional, realistic

(1) **practical** English, (2) gain **practical** experience

Her concept is highly **practical** and helpful.

## amazing

*adj.* extremely surprising, especially in a way that you like or admire

*synonym* : exceptional, extraordinary, wonderful

(1) **amazing** advances, (2) the most **amazing** feeling

The golfer recorded an **amazing** distance.

## experiment

*n.* the scientific test conducted to observe what happens and gain new knowledge

*synonym* : experimentation, investigation

(1) **experiment** design, (2) series of **experiments**

His **experiments** showed highly positive results.

## hooked

*adj.* being caught or caught up in something; curved down like an eagle's beak

*synonym* : caught, captivated, addicted

(1) **hooked** hair, (2) **hooked** on drugs

My son was **hooked** on the Internet.

## topic

*n.* a subject that is being discussed or written about

*synonym* : subject, theme, issue

(1) a serious **topic**, (2) the **topic** of the book

The **topic** of the discussion was the current state of the economy.

### overcome

*v.* to succeed in controlling or dealing with something, such as a problem or difficulty; to defeat or overwhelm someone

*synonym*: beat, confound, overwhelm

(1) **overcome** opponents, (2) **overcome** all difficulties

He tried to **overcome** a bad reputation and win the election.

### lab

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

*synonym*: workshop, laboratory, research chamber

(1) **lab** instrument, (2) medical **lab**

The Prime Minister will pay a courtesy visit to the Nobel laureate's **lab**.

### boulder

*n.* a large, smooth rock, typically one that has been worn away from a cliff or mountain by erosion

*synonym*: rock, stone, clump

(1) **boulder** field, (2) lava **boulder**

The hikers had to climb over a **boulder** that was blocking their path.

### entirely

*adv.* completely

*synonym*: completely, fully, totally

(1) **entirely** satisfied with the meal, (2) he was **entirely** to blame

Later, his claim was found to be **entirely** false.

### combine

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

*synonym*: coalesce, cohere, blend

(1) **combine** chemically with another substance,

(2) **combine** augmented reality

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

## electrical

*adj.* relating to electricity

(1) an **electrical** storm, (2) degree in **electrical** engineering  
Actuators convert **electrical** pulses into motion.

## 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.

## diagram

*n.* a simplified illustration of the appearance, structure, or workings of something

*synonym*: chart, figure, graph

(1) 3D **diagram**, (2) in a **diagram**

He is drawing a **diagram** illustrating how the equipment operates.

## outstanding

*adj.* superior to others in excellence; not yet paid, completed, etc.

*synonym*: distinguished, excellent, unprecedented

(1) an **outstanding** new record, (2) pay **outstanding** debts

It's an area of **outstanding** natural beauty.

## develop

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

*synonym*: evolve, progress, advance

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

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

## gentle

*adj.* having or showing a kindly or tender nature; soft and mild

*synonym*: mild, delicate, soft

(1) in a **gentle** voice, (2) **gentle** downward slope

Her **gentle** manner relaxed everyone there.



## raspberry

*n.* a sweet and tart edible fruit that grows on bushes, usually with a soft red or black color and a rough texture on the outside

*synonym* : blackberry, bramble, dewberry

(1) **raspberry** flavor, (2) **raspberry** tea

The **raspberry** cheesecake at that restaurant is out of this world.

## dam

*n.* a wall constructed over a river to block the flow of water, mainly used to generate energy

*synonym* : barricade, barrier, embankment

(1) **dam-building** program, (2) **dam** collapsing

The break in the **dam** threatened the valley.

## expand

*v.* to increase or to make something greater in size, number, or importance

*synonym* : extend, grow, boost

(1) **expand** a lineup, (2) **expand** agricultural output

They hope to **expand** their business worldwide.

## lift

*v.* to raise something to a higher position or level; to pick up something or somebody and move them to a different position

*synonym* : raise, elevate, move up

(1) **lift** sagging skin, (2) **lift** a ban on alcohol

The drought **lifted** the prices of grain globally.

## gallon

*n.* a unit for measuring volume, in the US, it is equal to about 3.79 liters, and in the UK, Canada, and other countries, it is equal to about 4.55 liters

(1) 5- **gallon** square can, (2) ten- **gallon** hat

The imperial **gallon** was standardized legally by the British Empire.

## precise

*adj.* sharply exact or accurate or delimited

*synonym* : accurate, exact, distinct

(1) **precise** analyses, (2) estimate **precise** costs

The content is **precise** and informative for me.

## submerge

*v.* to put something under water or to go under water; to bury or hide something deeply or completely

*synonym*: deluge, drench, dunk

(1) **submerge** in a liquid, (2) **submerge** my head completely

The ship was **submerged** in the ocean for many years before it was finally discovered.

## invisible

*adj.* impossible or nearly impossible to see

*synonym*: hidden, imperceptible, unseen

(1) an **invisible** asset, (2) **invisible** stars

The phenomenon is **invisible** at optical wavelengths.

## inexpensive

*adj.* costing little; having a low price

*synonym*: cheap, affordable, economical

(1) **inexpensive** option, (2) an **inexpensive** inn

The restaurant offered delicious food at an **inexpensive** price.

## recommend

*v.* to suggest that someone or something would be a suitable fit for a particular purpose or role

*synonym*: advise, suggest, instruct

(1) **recommend** a hospitalization, (2) **recommend** reading

We **recommend** taking media training every six months.

## principle

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

*synonym*: rule, creed, code

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

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

## olive

*n.* a small green or black fruit with a bitter taste that is eaten or used to produce oil or a tree on which this fruit grows

(1) **olive** branch, (2) **olive** oil

They enjoyed reading under the **olive** trees.

## **bubble**

*n.* a thin, round, and often transparent mass of gas that is surrounded by a thin layer of liquid; a state of economic or social prosperity that is unsustainable and eventually collapses

*synonym* : blob, balloon, mania

(1) **bubble** in the champagne glass, (2) economic **bubble**

Many people worry that the current real estate market is a **bubble** that could burst soon.

## **contraction**

*n.* the act or process of becoming smaller or shorter in size, volume, or amount

*synonym* : shrinking, compression, reduction

(1) **contraction** of a disease, (2) **contraction** in the industry

The **contraction** of the economy has led to job losses.

## **medium**

*adj.* of a size, amount, or level that is average or intermediate; (noun) a means or instrumentality for storing or communicating information

*synonym* : average, intermediate, (noun) channel

(1) **medium** color, (2) an advertising **medium**

The **medium** size shirt fits him perfectly.

## **replace**

*v.* to take the place of something

*synonym* : substitute, supersede, displace

(1) **replace** one word with another, (2) **replace** a phone

Eventually, the new design will **replace** all older models.

## **hydra**

*n.* a freshwater polyp with a tubular body and several tentacles; (of mythology) a serpentine monster with many heads that regrow when cut off; a problem or a situation that is difficult to overcome because it multiplies or gets worse as soon as one aspect of it is solved or eliminated

*synonym* : monster, serpent

(1) **hydra-headed** problem, (2) antibacterial **hydra**

The new software system was a **hydra** of complications, with one problem leading to another.

## amplify

*v.* to enhance something, particularly sound or brightness  
*synonym*: intensify, boost, argument

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

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

## healing

*n.* the process of becoming or making somebody or something well again

*synonym*: recovery, recuperation, convalescence

(1) natural **healing** ability, (2) part of the **healing** process

Each ancient tribe has its **healing** traditions.

## electrostatic

*adj.* relating to the static electric charge produced by friction or other means; describing the behavior of insulators and conductors in electrical systems

(1) **electrostatic** repulsion, (2) **electrostatic** discharge

The experiment showed a strong **electrostatic** charge between the two objects.

## geometry

*n.* the area of pure mathematics that deals with the points, lines, curves, and surfaces

(1) Euclidean **geometry**, (2) spherical **geometry**

The mathematician pioneered fractal **geometry**.

## flexible

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

*synonym*: adaptable, elastic, pliable

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

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

## polymer

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

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

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

## insulate

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

*synonym*: isolate, protect, seclude

(1) **insulate** the room from sound, (2) **insulate** electricity

We had our bedroom **insulated** before winter came.

## liquid

*n.* a substance, such as water or oil that flows freely and is neither a solid nor a gas

*synonym*: fluid

(1) colorless **liquid**, (2) hazardous **liquid**

The sponge takes up the **liquid** well.

## conductor

*n.* someone who leads the performance of musicians or a piece of music; (in physics) an object, substance, or material that readily allows the flow of electricity, heat, etc.

*synonym*: director, manager

(1) **conductor** directing a symphony, (2) oxide **conductor**

Diamonds are employed as thermal **conductors** as well.

## pouch

*n.* a small bag or container with a drawstring or zipper used to carry small items; a small sac or pocket within an organ or tissue in the body

*synonym*: bag, sack, pocket

(1) paper **pouch**, (2) kangaroo **pouch**

My wallet wasn't big enough, so I kept my coins in a small **pouch**.

## 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.

## attach

*v.* to fasten, join, or connect one thing to another  
*synonym* : fix, fasten, bind

(1) **attach** firmly, (2) **attach** a file to an e-mail

He does not **attach** importance to these rumors.

## displace

*v.* to force someone or something to leave their home or place of origin, especially as a result of conflict, natural disaster, or manipulation

*synonym* : evict, exile, remove

(1) **displace** workers, (2) **displace** the explosive power

The construction of the new dam will **displace** hundreds of families living downstream.

## cylinder

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

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

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

## sect

*n.* a group of people who follow a particular religious or philosophical belief system, especially one that is regarded as outside the norm or mainstream

*synonym* : group, faction, cult

(1) **sect** beliefs, (2) secret **sect**

The minority **sect** believed in a set of unconventional religious practices.

## quadrant

*n.* a quarter of a circle or sphere or any of the four parts of an area divided by two intersecting lines or planes

*synonym* : section, division, sector

(1) Northeast **quadrant**, (2) **quadrant** chart

The map was divided into four **quadrants** to examine the geographical region closely.

## dough

*n.* a mixture of flour, liquid, and other ingredients, typically used to make bread, pastry, or pasta

*synonym* : flour, mix

(1) work **dough**, (2) **dough** for pastry

She mixed flour, yeast, sugar, and water to make **dough** for the bread.

## incredibly

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

*synonym*: enormously, exceptionally, extraordinarily

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

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

## superhuman

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

*synonym*: supernatural, inhuman, beyond human

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

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

## excess

*n.* an amount or quantity beyond what is acceptable, expected, or reasonable

*synonym*: exuberance, glut, surplus

(1) lose **excess** weight, (2) an **excess** of exports

The road of **excess** leads to the palace of wisdom.

## compatible

*adj.* capable of coexisting or working together without conflict or inconsistency; harmonious or well-matched

*synonym*: harmonious, congruent, consistent

(1) fully **compatible**, (2) **compatible** with HTML5

The new software is not **compatible** with the old operating system, causing compatibility issues and errors.

## large-scale

*adj.* involving many people or things and involving a lot of change or activity

*synonym*: big, massive, grand

(1) **large-scale** project, (2) **large-scale** agriculture

The company is planning to make a **large-scale** expansion of its factory.

## manufacture

v. to make goods in large numbers, usually in a factory using machines

*synonym*: create, fabricate, assemble

(1) **manufacture** an enzyme, (2) **manufacture** a product

The majority of synthetic vitamins are **manufactured** from oil.

## drastic

*adj.* radical and extreme; likely to have a significant or far-reaching impact

*synonym*: extreme, fierce, radical

(1) **drastic** measures, (2) make **drastic** revision

The global community is undergoing **drastic** changes at present.

## improve

v. to make or become better

*synonym*: enhance, ameliorate, enrich

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

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

## 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.

## scorpion

*n.* a small creature similar to an insect with a segmented body, a pair of pincers, and a long, thin tail that ends in a venomous sting

*synonym*: arachnid, stinger

(1) **scorpion** fish, (2) poisonous **scorpion**

The **scorpion's** venom can be lethal to humans.

## hunt

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



*synonym* : chase, pursuit, quest

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

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

## prey

*n.* the object of a hunt; an animal hunted or trapped for eating

*synonym* : target, quarry, chase

(1) **prey** of beast, (2) become **prey** to terrorists

The majority of snakes swallow their **prey** whole.

## balloon

*n.* a small bag made of thin rubber or other light material that can be inflated with air or gas, used as a toy or as a decoration; (verb) to become inflated

*synonym* : aerostat, blimp, (verb) billow out

(1) **balloon** ride, (2) **balloon** into a severe political problem

The satellite **balloon** slowly ascended into the sky.

## initial

*adj.* of or happening at the beginning; (noun) the first letter of a word, especially a person's name

*synonym* : basic, primary, beginning

(1) **initial** velocity, (2) an **initial** letter

They took the **initial** step toward reconciliation.

## inspiration

*n.* something that motivates or encourages someone to create or achieve something, or a feeling of excitement or creativity

*synonym* : motivation, drive, encouragement

(1) source of **inspiration**, (2) get **inspiration** from nature

He found **inspiration** in the works of his favorite authors.

## trunk

*n.* the main stem or body of a tree which its branches grow

*synonym* : body, chest, torso

(1) the **trunk** of the tree, (2) the **trunk** of the body

Destructive fungi thrive in moist environments, such as those seen in wounds on the **trunk**.

## continuum

*n.* a series of similar items in which no part or portion is distinct or distinguishable from adjacent parts

*synonym*: continuation, continuity

(1) a space-time **continuum**, (2) the **continuum** of events

Our life is a **continuum** of experience in which events pass from the future through the present to the past.

## 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.

## 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.

## lifelike

*adj.* resembling or appearing similar to something alive or real, often realistically or vividly; convincing or authentic in appearance or behavior

*synonym*: realistic, naturalistic, vivid

(1) **lifelike** painting, (2) **lifelike** animation

The artist created a **lifelike** sculpture of a famous politician for the town square.

## prosthetic

*adj.* of or relating to an artificial part of the body, such as a limb, a heart, or a breast implant

(1) have **prosthetic** arms, (2) **prosthetic** limbs

New **prosthetic** joints are less prone to metal poisoning.

## merge

*v.* to combine or integrate things, or to cause this to happen

*synonym*: combine, join, coalesce

(1) **merge** into a new party, (2) **merge** those systems into a

new one

This consulting firm decided to **merge** the two companies into one.

## scary

*adj.* causing fear or fright; frightening; intimidating

*synonym*: terrifying, frightening, alarming

(1) **scary** dream, (2) **scary** story

The horror movie was so **scary** that I couldn't watch it alone.

## grandparent

*n.* a parent of one's father or mother

(1) great- **grandparent**, (2) person of **grandparent** age

She was close to her paternal **grandparents** and often spent summers with them.

## burden

*n.* a duty, responsibility, etc. that is oppressive or worrisome; a load, typically a heavy one that is difficult to carry

*synonym*: obligation, duty, load

(1) carry a **burden**, (2) **burden** of disease

That car has a low environmental **burden**.

## enhance

*v.* to increase or improve the quality, amount, or strength of someone or something

*synonym*: improve, enrich, refine

(1) **enhance** value, (2) **enhance** the flavor of the vanilla

The new strategy will **enhance** the profitability of our company.

## thereby

*adv.* as a result; consequence of a particular action or set of conditions

*synonym*: thus, hence, as a result

(1) **thereby-obtained** data, (2) **thereby** improving overall health

The new software will streamline the workflow, **thereby** increasing productivity.

## maintain

*v.* to continue to uphold or sustain; to keep in a particular state or condition; to assert or declare something to be true

*synonym* : preserve, uphold, sustain

(1) **maintain** order, (2) **maintain** good health

I need to **maintain** my car regularly to prevent any major mechanical issues.

## autonomy

*n.* the right of an organization, country, or region to govern itself independently

*synonym* : independence, sovereignty, self-sufficiency

(1) regional **autonomy**, (2) establish **autonomy**

Demonstrators strongly demanded immediate **autonomy** for their country.

## anti-aging

*adj.* designed to prevent or reverse the effects of aging, often referring to cosmetic or medical interventions intended to improve skin elasticity, reduce wrinkles, or promote overall wellness in older adults

(1) **anti-aging** cream, (2) **anti-aging** supplements

Many people invest in **anti-aging** skincare products to help reduce the signs of aging on their skin.

## counterpart

*n.* a person or thing that corresponds to or has the same function as another person or thing

*synonym* : equivalent, analogue, match

(1) **counterpart** agreement, (2) negotiating **counterpart**

His **counterpart** in the other company is responsible for marketing.

## 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**.

## exciting

*adj.* causing a lot of interest or excitement

*synonym*: exhilarating, stimulating, thrilling

(1) **exciting** football player, (2) **exciting** news

The findings of the experiment were both **exciting** and unexpected.

## introductory

*adj.* intended as an introduction or preliminary; serving as a base or starting point

*synonym*: beginning, preliminary, initial

(1) **introductory** biology text, (2) product **introductory** sale

The **introductory** class was designed to give students a basic understanding of the subject.

## concept

*n.* an idea or principle associated with something abstract

*synonym*: idea, notion, vision

(1) learn new **concepts**, (2) **concept** car

One such rapidly growing **concept** is quantum cryptography.

## Session 2: Spelling

1. cou\_\_\_\_\_rt agreement *n.* a person or thing that corresponds to or has the same function as another person or thing
2. de\_\_\_\_\_p a skill *v.* to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created
3. de\_\_\_\_m his way of life *v.* to change or distort the shape or appearance of something; to become misshapen or distorted
4. ast\_\_\_\_\_ng achievement *adj.* surprising or shocking; difficult to believe
5. person of gra\_\_\_\_\_nt age *n.* a parent of one's father or mother
6. in\_\_\_\_\_e a feeling of curiosity *v.* to make somebody fill with the desire, confidence, or enthusiasm, especially to do something creative
7. im\_\_\_\_\_e the test score *v.* to make or become better
8. austere el\_\_\_\_\_ce *n.* the quality of being graceful and stylish in appearance or manner
9. h\_\_l a broken bone *v.* to make a wound or injury to become well again
10. lar\_\_\_\_\_le project *adj.* involving many people or things and involving a lot of change or activity

ANSWERS: 1. counterpart, 2. develop, 3. deform, 4. astonishing, 5. grandparent, 6. inspire, 7. improve, 8. elegance, 9. heal, 10. large-scale

11. p\_\_y of beast *n.* the object of a hunt; an animal hunted or trapped for eating
12. ro\_\_\_\_c guide operation *adj.* of or relating to mechanical robots; (robotics) the interdisciplinary branch of computer science and engineering with the practical use of robots
13. r\_b a glass window *v.* to move one's hand or an object over the surface of something with pressure
14. ant\_\_\_\_\_ng cream *adj.* designed to prevent or reverse the effects of aging, often referring to cosmetic or medical interventions intended to improve skin elasticity, reduce wrinkles, or promote overall wellness in older adults
15. hy\_\_a-headed problem *n.* a freshwater polyp with a tubular body and several tentacles; (of mythology) a serpentine monster with many heads that regrow when cut off; a problem or a situation that is difficult to overcome because it multiplies or gets worse as soon as one aspect of it is solved or eliminated
16. co\_\_\_\_\_e chemically with another substance *v.* to join or merge to form a single thing or group
17. lose ex\_\_\_s weight *n.* an amount or quantity beyond what is acceptable, expected, or reasonable
18. re\_\_\_\_\_e a phone *v.* to take the place of something
19. pay out\_\_\_\_\_ng debts *adj.* superior to others in excellence; not yet paid, completed, etc.

ANSWERS: 11. prey, 12. robotic, 13. rub, 14. anti-aging, 15. hydra, 16. combine, 17. excess, 18. replace, 19. outstanding

20. carry a bu\_\_\_n *n.* a duty, responsibility, etc. that is oppressive or worrisome; a load, typically a heavy one that is difficult to carry
21. talented ph\_\_\_\_\_st *n.* a scientist who specializes in the field of physics
22. inc\_\_\_\_\_ly cheerful character *adv.* in a way that is very difficult to believe; exceedingly or extremely
23. against tr\_\_\_\_\_on *n.* a belief, custom, or way of doing something that has been passed down from generation to generation within a group or society
24. DC mo\_\_r control *n.* a device that converts electricity, fuel, etc. into movement and makes a machine, vehicle, etc. work
25. the first round of the com\_\_\_\_\_on *n.* a situation in which someone is attempting to beat or outperform another
26. product int\_\_\_\_\_ory sale *adj.* intended as an introduction or preliminary; serving as a base or starting point
27. li\_\_\_\_\_ke painting *adj.* resembling or appearing similar to something alive or real, often realistically or vividly; convincing or authentic in appearance or behavior
28. permafrost te\_\_\_\_\_n *n.* the physical features of a piece of land, including hills, valleys, rivers, and forests
29. co\_\_\_\_\_e augmented reality *v.* to join or merge to form a single thing or group

ANSWERS: 20. burden, 21. physicist, 22. incredibly, 23. tradition, 24. motor, 25. competition, 26. introductory, 27. lifelike, 28. terrain, 29. combine



30. chaotic env\_\_\_\_\_nt *n.* the natural world such as air, water, and land in which humans, animals, and plants live
31. r\_b shoulders *v.* to move one's hand or an object over the surface of something with pressure
32. at\_\_\_h a file to an e-mail *v.* to fasten, join, or connect one thing to another
33. ine\_\_\_\_\_ve option *adj.* costing little; having a low price
34. int\_\_\_\_\_on among human beings *n.* the act of connecting with someone, mainly when working, playing, or spending time with them
35. a tra\_\_\_\_\_nt lie *adj.* easy to perceive, detect, or understand; (of a material or article) permitting light to pass through freely
36. artifact of a pr\_\_\_\_\_ve humankind *adj.* of or relating to an early stage of society with no industry or technological development; simple, naive, or old-fashioned in style
37. spherical ge\_\_\_\_\_ry *n.* the area of pure mathematics that deals with the points, lines, curves, and surfaces
38. a scientific di\_\_\_\_\_ry *n.* the act or process of finding information, a place, or an object, or learning about something that was previously not known
39. ex\_\_\_e rebellion *v.* to make someone feel suddenly enthusiastic or eager
40. ro\_\_\_\_\_c arm *adj.* of or relating to mechanical robots; (robotics) the interdisciplinary branch of computer science and engineering with the practical use of robots

ANSWERS: 30. environment, 31. rub, 32. attach, 33. inexpensive, 34. interaction, 35. transparent, 36. primitive, 37. geometry, 38. discovery, 39. excite, 40. robotic

41. sc\_\_y story *adj.* causing fear or fright; frightening; intimidating
42. ra\_\_\_\_\_ry flavor *n.* a sweet and tart edible fruit that grows on bushes, usually with a soft red or black color and a rough texture on the outside
43. dangerously unp\_\_\_\_\_ble person *adj.* not capable of being foreseen or calculated; not regular or certain
44. co\_\_\_\_\_e against a friend *v.* to strive to achieve more success than someone or something
45. 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
46. student on a ti\_\_t budget *adj.* fixed, fastened, or kept together firmly or closely
47. the co\_\_\_\_\_um of events *n.* a series of similar items in which no part or portion is distinct or distinguishable from adjacent parts
48. a g\_\_m-free environment *n.* a very tiny living that causes the disease; a piece of something such as an organism, concept, etc., capable of growing into a new one or part of one
49. pr\_\_\_\_\_ve society *adj.* of or relating to an early stage of society with no industry or technological development; simple, naive, or old-fashioned in style
50. ba\_\_\_\_\_n into a severe political problem *n.* a small bag made of thin rubber or other light material that can be inflated with air or gas, used as a toy or as a decoration; (verb) to become inflated

ANSWERS: 41. scary, 42. raspberry, 43. unpredictable, 44. compete, 45. movement, 46. tight, 47. continuum, 48. germ, 49. primitive, 50. balloon

51. have pro\_\_\_\_\_ic arms *adj.* of or relating to an artificial part of the body, such as a limb, a heart, or a breast implant
52. ex\_\_\_e the crowd *v.* to make someone feel suddenly enthusiastic or eager
53. com\_\_\_\_\_le with HTML5 *adj.* capable of coexisting or working together without conflict or inconsistency; harmonious or well-matched
54. 5-ga\_\_\_n square can *n.* a unit for measuring volume, in the US, it is equal to about 3.79 liters, and in the UK, Canada, and other countries, it is equal to about 4.55 liters
55. fl\_\_\_\_\_le schedules *adj.* able to change or be changed to suit new conditions or situations; able to bend easily
56. she is ma\_\_\_c *n.* beliefs and actions employed to influence supernatural beings and forces; any art or performance that invokes supernatural powers
57. f\_\_\_x a finger *v.* to show off one's strength, power, or possessions; to bend or be capable of bending easily
58. am\_\_\_\_\_y a signal *v.* to enhance something, particularly sound or brightness
59. establish au\_\_\_\_\_my *n.* the right of an organization, country, or region to govern itself independently
60. da\_\_\_e assessment *v.* to harm or cause injury to something or someone, often resulting in decreased value or functionality; to impair or negatively affect something, such as a reputation or relationship; (noun) harm or injury that is caused to a person, thing, or entity

ANSWERS: 51. prosthetic, 52. excite, 53. compatible, 54. gallon, 55. flexible, 56. magic, 57. flex, 58. amplify, 59. autonomy, 60. damage

61. en\_\_\_\_ly satisfied with the meal      *adv.* completely
62. key co\_\_\_\_\_nt      *n.* one of several parts that combines with others to form something bigger
63. in\_\_\_\_\_le stars      *adj.* impossible or nearly impossible to see
64. natural he\_\_\_\_\_g ability      *n.* the process of becoming or making somebody or something well again
65. sup\_\_\_\_\_an beings      *adj.* possessing abilities or characteristics that exceed those of normal humans; beyond human capacity or capability
66. f\_\_x diplomatic muscle      *v.* to show off one's strength, power, or possessions; to bend or be capable of bending easily
67. paper po\_\_h      *n.* a small bag or container with a drawstring or zipper used to carry small items; a small sac or pocket within an organ or tissue in the body
68. synthetic fi\_\_r      *n.* thread or filament used to make a vegetable tissue, mineral material, or textile
69. cell and molecular bi\_\_\_\_\_y      *n.* the scientific study of life and the natural processes of living things
70. co\_\_\_\_\_ct law      *n.* a legally binding agreement between two or more parties, setting out their rights and obligations to each other, typically in writing and enforceable by law
71. da\_\_\_e a relationship      *v.* to harm or cause injury to something or someone, often resulting in decreased value or functionality; to impair or negatively affect something, such as a reputation or relationship; (noun) harm or injury that is caused to a person, thing, or entity

ANSWERS: 61. entirely, 62. component, 63. invisible, 64. healing, 65. superhuman, 66. flex, 67. pouch, 68. fiber, 69. biology, 70. contract, 71. damage

72. in a di\_\_\_\_\_m *n.* a simplified illustration of the appearance, structure, or workings of something
73. exp\_\_\_\_\_nt design *n.* the scientific test conducted to observe what happens and gain new knowledge
74. a ve\_\_\_\_\_le writer *adj.* able to do many things in different fields; having many talents
75. an imp\_\_\_\_\_ve array of facts *adj.* arousing admiration due to size, quality, or skill
76. in\_\_\_\_\_l velocity *adj.* of or happening at the beginning; (noun) the first letter of a word, especially a person's name
77. de\_\_\_\_\_ty of character *n.* a physical abnormality or distortion
78. colorless li\_\_\_\_d *n.* a substance, such as water or oil that flows freely and is neither a solid nor a gas
79. series of exp\_\_\_\_\_nts *n.* the scientific test conducted to observe what happens and gain new knowledge
80. ov\_\_\_\_\_me all difficulties *v.* to succeed in controlling or dealing with something, such as a problem or difficulty; to defeat or overwhelm someone
81. col\_\_\_\_\_te on a press release *v.* to work with someone else to produce or achieve something
82. provide a ve\_\_\_\_\_le solution *adj.* able to do many things in different fields; having many talents
83. the to\_\_c of the book *n.* a subject that is being discussed or written about

ANSWERS: 72. diagram, 73. experiment, 74. versatile, 75. impressive, 76. initial, 77. deformity, 78. liquid, 79. experiment, 80. overcome, 81. collaborate, 82. versatile, 83. topic

84. l\_\_t sagging skin      *v.* to raise something to a higher position or level; to pick up something or somebody and move them to a different position
85. d\_m collapsing      *n.* a wall constructed over a river to block the flow of water, mainly used to generate energy
86. l\_\_t a ban on alcohol      *v.* to raise something to a higher position or level; to pick up something or somebody and move them to a different position
87. kangaroo po\_\_h      *n.* a small bag or container with a drawstring or zipper used to carry small items; a small sac or pocket within an organ or tissue in the body
88. theoretical ph\_\_\_\_\_st      *n.* a scientist who specializes in the field of physics
89. ba\_\_\_\_\_n ride      *n.* a small bag made of thin rubber or other light material that can be inflated with air or gas, used as a toy or as a decoration; (verb) to become inflated
90. red\_\_\_\_\_er an old truth      *v.* to discover or find again something that was previously known but lost
91. ninja-like ag\_\_\_\_\_y      *n.* the ability to move quickly and easily, often in a way that is graceful and controlled
92. medical l\_b      *n.* a workplace for the conduct of scientific research; a laboratory
93. d\_m-building program      *n.* a wall constructed over a river to block the flow of water, mainly used to generate energy

ANSWERS: 84. lift, 85. dam, 86. lift, 87. pouch, 88. physicist, 89. balloon, 90. rediscover, 91. agility, 92. lab, 93. dam

94. ev\_\_\_\_\_on theory *n.* a gradual process of transformation of living things
95. die\_\_\_\_\_ic constant *adj.* of or relating to a type of material that is a poor conductor of electricity, often used as an insulator in electronics; not allowing electric charges to flow easily through it
96. ac\_\_\_\_\_e the circuits *v.* to cause a machine or equipment to start to work
97. sc\_\_y dream *adj.* causing fear or fright; frightening; intimidating
98. source of ins\_\_\_\_\_on *n.* something that motivates or encourages someone to create or achieve something, or a feeling of excitement or creativity
99. the int\_\_\_\_\_on between man and his environment *n.* the act of connecting with someone, mainly when working, playing, or spending time with them
100. ag\_\_\_\_\_y training *n.* the ability to move quickly and easily, often in a way that is graceful and controlled
101. bi\_\_\_\_s curl *n.* a muscle located in the upper arm that enables the arm to bend at the elbow
102. antibacterial hy\_\_a *n.* a freshwater polyp with a tubular body and several tentacles; (of mythology) a serpentine monster with many heads that regrow when cut off; a problem or a situation that is difficult to overcome because it multiplies or gets worse as soon as one aspect of it is solved or eliminated

ANSWERS: 94. evolution, 95. dielectric, 96. actuate, 97. scary, 98. inspiration, 99. interaction, 100. agility, 101. biceps, 102. hydra

103. col\_\_\_\_\_te with the police      *v.* to work with someone else to produce or achieve something
104. regional au\_\_\_\_\_my      *n.* the right of an organization, country, or region to govern itself independently
105. a ti\_\_t game      *adj.* fixed, fastened, or kept together firmly or closely
106. bo\_\_\_\_\_r field      *n.* a large, smooth rock, typically one that has been worn away from a cliff or mountain by erosion
107. am\_\_\_\_\_g advances      *adj.* extremely surprising, especially in a way that you like or admire
108. unp\_\_\_\_\_ble outcome      *adj.* not capable of being foreseen or calculated; not regular or certain
109. 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
110. ov\_\_\_\_\_me opponents      *v.* to succeed in controlling or dealing with something, such as a problem or difficulty; to defeat or overwhelm someone
111. evolutionary bi\_\_\_\_\_y      *n.* the scientific study of life and the natural processes of living things
112. man\_\_\_\_\_re a product      *v.* to make goods in large numbers, usually in a factory using machines
113. pro\_\_\_\_\_on of disease      *n.* the act or process of changing to the next stage or phase or moving forward
114. en\_\_\_\_\_e the flavor of the vanilla      *v.* to increase or improve the quality, amount, or strength of someone or something

ANSWERS: 103. collaborate, 104. autonomy, 105. tight, 106. boulder, 107. amazing, 108. unpredictable, 109. electrify, 110. overcome, 111. biology, 112. manufacture, 113. progression, 114. enhance





126. pro\_\_\_\_\_ic limbs *adj.* of or relating to an artificial part of the body, such as a limb, a heart, or a breast implant
127. con\_\_\_\_\_on in the industry *n.* the act or process of becoming smaller or shorter in size, volume, or amount
128. employment co\_\_\_\_\_ct *n.* a legally binding agreement between two or more parties, setting out their rights and obligations to each other, typically in writing and enforceable by law
129. collaborate with co\_\_\_\_\_ues *n.* one of a group of a coworker, especially in a profession or a business
130. global di\_\_\_\_\_er *n.* an unexpected event or series of events that cause widespread damage, destruction, or loss of life
131. th\_\_\_\_\_y-obtained data *adv.* as a result; consequence of a particular action or set of conditions
132. l\_b instrument *n.* a workplace for the conduct of scientific research; a laboratory
133. a space-time co\_\_\_\_\_um *n.* a series of similar items in which no part or portion is distinct or distinguishable from adjacent parts
134. ten-ga\_\_\_n hat *n.* a unit for measuring volume, in the US, it is equal to about 3.79 liters, and in the UK, Canada, and other countries, it is equal to about 4.55 liters
135. env\_\_\_\_\_nt affairs *n.* the natural world such as air, water, and land in which humans, animals, and plants live

ANSWERS: 126. prosthetic, 127. contraction, 128. contract, 129. colleague, 130. disaster, 131. thereby, 132. lab, 133. continuum, 134. gallon, 135. environment

136. the tr\_\_k of the body *n.* the main stem or body of a tree which its branches grow
137. a serious to\_\_c *n.* a subject that is being discussed or written about
138. X-\_\_y scan *n.* a type of electromagnetic radiation that has a wavelength shorter than visible light allowing hidden objects such as bones and organs inside the body to be photographed
139. the great di\_\_\_\_\_ry of the century *n.* the act or process of finding information, a place, or an object, or learning about something that was previously not known
140. the influence of mec\_\_\_\_\_al action *adj.* operated by a machine, relating to or concerned with machinery or tools
141. a picture fr\_\_e *n.* a strong border or structure of the wood, metal, etc. that surrounds something such as a picture, door, or window
142. ge\_\_\_e downward slope *adj.* having or showing a kindly or tender nature; soft and mild
143. in a ge\_\_\_e voice *adj.* having or showing a kindly or tender nature; soft and mild
144. a fl\_\_\_\_\_le wire *adj.* able to change or be changed to suit new conditions or situations; able to bend easily
145. get inc\_\_\_\_\_ly insecure *adv.* in a way that is very difficult to believe; exceedingly or extremely
146. make dr\_\_\_\_\_c revision *adj.* radical and extreme; likely to have a significant or far-reaching impact

ANSWERS: 136. trunk, 137. topic, 138. X-ray, 139. discovery, 140. mechanical, 141. frame, 142. gentle, 143. gentle, 144. flexible, 145. incredibly, 146. drastic

147. a mec\_\_\_\_\_al style of writing      *adj.* operated by a machine, relating to or concerned with machinery or tools
148. part of the he\_\_\_\_\_g process      *n.* the process of becoming or making somebody or something well again
149. negotiating cou\_\_\_\_\_rt      *n.* a person or thing that corresponds to or has the same function as another person or thing
150. st\_\_\_\_\_h along the coast      *v.* to make or be capable of making anything longer or broader without hurting or breaking
151. an ad\_\_\_\_\_le person      *adj.* able or willing to modify or be modified to deal with new situations
152. economic bu\_\_\_\_\_e      *n.* a thin, round, and often transparent mass of gas that is surrounded by a thin layer of liquid; a state of economic or social prosperity that is unsustainable and eventually collapses
153. di\_\_\_\_\_ce the explosive power      *v.* to force someone or something to leave their home or place of origin, especially as a result of conflict, natural disaster, or manipulation
154. electronic de\_\_\_\_\_e      *n.* a piece of equipment, tool, or technology that serves a particular purpose or function, often mechanical or electronic
155. a six-cy\_\_\_\_\_er engine      *n.* a solid or hollow geometric figure with two round ends and long straight sides, or an object shaped like this
156. Northeast qu\_\_\_\_\_nt      *n.* a quarter of a circle or sphere or any of the four parts of an area divided by two intersecting lines or planes

ANSWERS: 147. mechanical, 148. healing, 149. counterpart, 150. stretch, 151. adaptable, 152. bubble, 153. displace, 154. device, 155. cylinder, 156. quadrant

157. 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
158. in\_\_\_\_\_te into the existing system *v.* to combine one thing with another so that they form a whole or work together; to accept equal participation for members of all races and ethnic groups
159. ant\_\_\_\_\_ng supplements *adj.* designed to prevent or reverse the effects of aging, often referring to cosmetic or medical interventions intended to improve skin elasticity, reduce wrinkles, or promote overall wellness in older adults
160. vo\_\_\_e of work *n.* the amount of space occupied by an object or substance; the magnitude of sound
161. qu\_\_\_\_\_nt chart *n.* a quarter of a circle or sphere or any of the four parts of an area divided by two intersecting lines or planes
162. Euclidean ge\_\_\_\_\_ry *n.* the area of pure mathematics that deals with the points, lines, curves, and surfaces
163. me\_\_e those systems into a new one *v.* to combine or integrate things, or to cause this to happen
164. estimate pr\_\_\_\_\_e costs *adj.* sharply exact or accurate or delimited
165. mo\_\_\_g experience *adj.* causing strong emotions or feelings, especially sadness or sympathy

ANSWERS: 157. background, 158. integrate, 159. anti-aging, 160. volume, 161. quadrant, 162. geometry, 163. merge, 164. precise, 165. moving

166. ho\_\_\_d hair *adj.* being caught or caught up in something; curved down like an eagle's beak
167. the most am\_\_\_\_g feeling *adj.* extremely surprising, especially in a way that you like or admire
168. former co\_\_\_\_\_ue *n.* one of a group of a coworker, especially in a profession or a business
169. a mo\_\_r mechanic *n.* a device that converts electricity, fuel, etc. into movement and makes a machine, vehicle, etc. work
170. pr\_\_\_\_\_le in business *n.* a fundamental law or truth that explains or controls how something happens or works
171. an in\_\_\_\_\_le asset *adj.* impossible or nearly impossible to see
172. physical de\_\_\_\_\_ty *n.* a physical abnormality or distortion
173. a tr\_\_\_\_\_on of a culture *n.* a belief, custom, or way of doing something that has been passed down from generation to generation within a group or society
174. me\_\_e into a new party *v.* to combine or integrate things, or to cause this to happen
175. plenty of fl\_\_ds *n.* a substance that can flow and is not solid
176. 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
177. h\_\_t after knowledge *v.* to go after and try to catch wild animals to kill them for food, sport, or profit

ANSWERS: 166. hooked, 167. amazing, 168. colleague, 169. motor, 170. principle, 171. invisible, 172. deformity, 173. tradition, 174. merge, 175. fluid, 176. movement, 177. hunt

178. a ventilation cy\_\_\_\_\_er *n.* a solid or hollow geometric figure with two round ends and long straight sides, or an object shaped like this
179. ele\_\_\_\_\_tic discharge *adj.* relating to the static electric charge produced by friction or other means; describing the behavior of insulators and conductors in electrical systems
180. ne\_\_\_e prick *n.* a thin, pointed object typically used for sewing or medical purposes; a metal or plastic instrument used for administering injections or drawing blood
181. ex\_\_\_\_\_ng news *adj.* causing a lot of interest or excitement
182. sur\_\_\_\_\_gly advanced culture *adv.* in a way that causes amazement or wonder
183. poisonous sc\_\_\_\_\_on *n.* a small creature similar to an insect with a segmented body, a pair of pincers, and a long, thin tail that ends in a venomous sting
184. the vo\_\_\_\_\_e spiked *n.* the difference in the force of an electric current between two points
185. human ev\_\_\_\_\_on *n.* a gradual process of transformation of living things
186. h\_\_l the hurt mind *v.* to make a wound or injury to become well again
187. learn new co\_\_\_\_\_ts *n.* an idea or principle associated with something abstract
188. ri\_\_d structure *adj.* extremely strict and difficult to change or adapt; incapable of or resistant to bending

ANSWERS: 178. cylinder, 179. electrostatic, 180. needle, 181. exciting, 182. surprisingly, 183. scorpion, 184. voltage, 185. evolution, 186. heal, 187. concept, 188. rigid

189. permanent br\_\_n damage      *n.* the organ inside the head that is responsible for one's movement, thought, memory, and feeling
190. dr\_\_\_\_c measures      *adj.* radical and extreme; likely to have a significant or far-reaching impact
191. su\_\_\_\_ge my head completely      *v.* to put something under water or to go under water; to bury or hide something deeply or completely
192. a ma\_\_c spell      *n.* beliefs and actions employed to influence supernatural beings and forces; any art or performance that invokes supernatural powers
193. pro\_\_\_\_on of civilization      *n.* the act or process of changing to the next stage or phase or moving forward
194. re\_\_\_\_nd reading      *v.* to suggest that someone or something would be a suitable fit for a particular purpose or role
195. an ine\_\_\_\_ve inn      *adj.* costing little; having a low price
196. an energy eff\_\_\_\_cy      *n.* the state or quality of doing something well with no waste of input such as time or money
197. biological po\_\_\_\_r      *n.* a substance composed of macromolecules (= large groups of atoms) made from many smaller and simpler molecules
198. ol\_\_e branch      *n.* a small green or black fruit with a bitter taste that is eaten or used to produce oil or a tree on which this fruit grows
199. li\_\_\_\_ke animation      *adj.* resembling or appearing similar to something alive or real, often realistically or vividly; convincing or authentic in appearance or behavior

ANSWERS: 189. brain, 190. drastic, 191. submerge, 192. magic, 193. progression, 194. recommend, 195. inexpensive, 196. efficiency, 197. polymer, 198. olive, 199. lifelike



200. great-gra\_\_\_\_\_nt *n.* a parent of one's father or mother
201. ma\_\_\_\_\_in good health *v.* to continue to uphold or sustain; to keep in a particular state or condition; to assert or declare something to be true
202. co\_\_\_\_\_st two things *v.* to put in opposition to show or emphasize differences
203. better fuel eff\_\_\_\_\_cy *n.* the state or quality of doing something well with no waste of input such as time or money
204. gain pr\_\_\_\_\_al experience *adj.* of or connected with actual use or real situation rather than with theory and ideas
205. a mas\_\_\_\_\_ce of design *n.* a work of art that is exceptionally good or highly skilled; a great achievement
206. an ex\_\_\_\_s of exports *n.* an amount or quantity beyond what is acceptable, expected, or reasonable
207. tra\_\_\_\_\_nt crystal *adj.* easy to perceive, detect, or understand; (of a material or article) permitting light to pass through freely
208. get ins\_\_\_\_\_on from nature *n.* something that motivates or encourages someone to create or achieve something, or a feeling of excitement or creativity
209. an in\_\_\_\_\_l letter *adj.* of or happening at the beginning; (noun) the first letter of a word, especially a person's name
210. work do\_\_h *n.* a mixture of flour, liquid, and other ingredients, typically used to make bread, pastry, or pasta

ANSWERS: 200. grandparent, 201. maintain, 202. contrast, 203. efficiency, 204. practical, 205. masterpiece, 206. excess, 207. transparent, 208. inspiration, 209. initial, 210. dough

211. con\_\_\_\_\_on of a disease      *n.* the act or process of becoming smaller or shorter in size, volume, or amount
212. de\_\_\_\_\_ty with the pen      *n.* skill and speed in performing physical tasks, especially with the hands; mental skill or adroitness in dealing with situations or problems
213. the st\_\_\_\_\_re of a machine      *n.* the way of construction of something and the arrangement of its parts, or a complex thing constructed of many parts
214. hazardous li\_\_\_\_d      *n.* a substance, such as water or oil that flows freely and is neither a solid nor a gas
215. su\_\_\_\_\_ge in a liquid      *v.* to put something under water or to go under water; to bury or hide something deeply or completely
216. ex\_\_\_\_\_ve experience      *adj.* covering a large area; having a wide range
217. 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
218. secret s\_\_t      *n.* a group of people who follow a particular religious or philosophical belief system, especially one that is regarded as outside the norm or mainstream
219. venomous oc\_\_\_\_\_s      *n.* a sea creature with a soft round body and eight long tentacles (= long parts like arms)

ANSWERS: 211. contraction, 212. dexterity, 213. structure, 214. liquid, 215. submerge, 216. extensive, 217. squeeze, 218. sect, 219. octopus

220. hum\_\_\_\_\_rd nest *n.* a small bird with a highly specialized beak and wings that allow it to hover in place, known for its rapid wingbeats and ability to fly in any direction
221. im\_\_\_\_\_e a process *v.* to make or become better
222. tracking de\_\_\_\_e *n.* a piece of equipment, tool, or technology that serves a particular purpose or function, often mechanical or electronic
223. natural el\_\_\_\_\_ce *n.* the quality of being graceful and stylish in appearance or manner
224. 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
225. me\_\_\_\_m color *adj.* of a size, amount, or level that is average or intermediate; (noun) a means or instrumentality for storing or communicating information
226. literary mas\_\_\_\_\_ce *n.* a work of art that is exceptionally good or highly skilled; a great achievement
227. basic br\_\_n function *n.* the organ inside the head that is responsible for one's movement, thought, memory, and feeling
228. re\_\_\_\_\_e one word with another *v.* to take the place of something
229. ad\_\_\_\_\_le enough for the environment *adj.* able or willing to modify or be modified to deal with new situations
230. re\_\_\_\_\_nd a hospitalization *v.* to suggest that someone or something would be a suitable fit for a particular purpose or role

ANSWERS: 220. hummingbird, 221. improve, 222. device, 223. elegance, 224. neuron, 225. medium, 226. masterpiece, 227. brain, 228. replace, 229. adaptable, 230. recommend

231. 3D di\_\_\_\_m *n.* a simplified illustration of the appearance, structure, or workings of something
232. cognitive com\_\_\_\_\_ty *n.* the state or quality of being complicated or intricate and difficult to understand
233. fl\_\_d assets *n.* a substance that can flow and is not solid
234. 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
235. ol\_\_e oil *n.* a small green or black fruit with a bitter taste that is eaten or used to produce oil or a tree on which this fruit grows
236. pr\_\_\_\_\_le of treatment *n.* a fundamental law or truth that explains or controls how something happens or works
237. at\_\_\_h firmly *v.* to fasten, join, or connect one thing to another
238. do\_\_h for pastry *n.* a mixture of flour, liquid, and other ingredients, typically used to make bread, pastry, or pasta
239. he was en\_\_\_\_\_ly to blame *adv.* completely
240. co\_\_\_\_\_st with a decade ago *v.* to put in opposition to show or emphasize differences
241. po\_\_\_\_\_r fiber *n.* a substance composed of macromolecules (= large groups of atoms) made from many smaller and simpler molecules

ANSWERS: 231. diagram, 232. complexity, 233. fluid, 234. background, 235. olive, 236. principle, 237. attach, 238. dough, 239. entirely, 240. contrast, 241. polymer

242. un\_\_\_n coating *adj.* not level or flat; not balanced or symmetrical
243. make ast\_\_\_\_\_ng gains *adj.* surprising or shocking; difficult to believe
244. an X-\_\_y of arteries *n.* a type of electromagnetic radiation that has a wavelength shorter than visible light allowing hidden objects such as bones and organs inside the body to be photographed
245. un\_\_\_n numbers *adj.* not level or flat; not balanced or symmetrical
246. pr\_\_\_\_\_al English *adj.* of or connected with actual use or real situation rather than with theory and ideas
247. 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
248. ex\_\_\_d a lineup *v.* to increase or to make something greater in size, number, or importance
249. an advertising me\_\_\_m *adj.* of a size, amount, or level that is average or intermediate; (noun) a means or instrumentality for storing or communicating information
250. have ex\_\_\_\_\_ve vocabulary *adj.* covering a large area; having a wide range
251. ex\_\_\_d agricultural output *v.* to increase or to make something greater in size, number, or importance
252. have sur\_\_\_\_\_gly little effect *adv.* in a way that causes amazement or wonder

ANSWERS: 242. uneven, 243. astonishing, 244. X-ray, 245. uneven, 246. practical, 247. neuron, 248. expand, 249. medium, 250. extensive, 251. expand, 252. surprisingly

253. degree in ele\_\_\_\_\_al engineering      *adj.* relating to electricity
254. man\_\_\_\_\_re an enzyme      *v.* to make goods in large numbers, usually in a factory using machines
255. spare co\_\_\_\_\_nts for cars      *n.* one of several parts that combines with others to form something bigger
256. lar\_\_\_\_\_le agriculture      *adj.* involving many people or things and involving a lot of change or activity
257. become p\_\_y to terrorists      *n.* the object of a hunt; an animal hunted or trapped for eating
258. ra\_\_\_\_\_ry tea      *n.* a sweet and tart edible fruit that grows on bushes, usually with a soft red or black color and a rough texture on the outside
259. ele\_\_\_\_\_tic repulsion      *adj.* relating to the static electric charge produced by friction or other means; describing the behavior of insulators and conductors in electrical systems
260. st\_\_\_\_\_re and function of the brain      *n.* the way of construction of something and the arrangement of its parts, or a complex thing constructed of many parts
261. te\_\_\_\_\_n map      *n.* the physical features of a piece of land, including hills, valleys, rivers, and forests
262. co\_\_\_\_\_e fiercely      *v.* to strive to achieve more success than someone or something
263. co\_\_\_\_\_t car      *n.* an idea or principle associated with something abstract

ANSWERS: 253. electrical, 254. manufacture, 255. component, 256. large-scale, 257. prey, 258. raspberry, 259. electrostatic, 260. structure, 261. terrain, 262. compete, 263. concept

264. de\_\_\_m the shape *v.* to change or distort the shape or appearance of something; to become misshapen or distorted
265. follow his ins\_\_\_\_\_ons *n.* detailed direction, order, etc., on how to do or use something
266. sta\_\_\_\_\_art software *adj.* characterized by the use of the latest and most advanced technology or methods; cutting-edge
267. di\_\_\_\_\_ce workers *v.* to force someone or something to leave their home or place of origin, especially as a result of conflict, natural disaster, or manipulation
268. antibiotic-resistant g\_\_m *n.* a very tiny living that causes the disease; a piece of something such as an organism, concept, etc., capable of growing into a new one or part of one
269. red\_\_\_\_\_er a value *v.* to discover or find again something that was previously known but lost
270. ho\_\_\_d on drugs *adj.* being caught or caught up in something; curved down like an eagle's beak
271. in\_\_\_\_\_te the room from sound *v.* to protect something by interposing material that prevents heat, noise, electricity, etc.
272. lava bo\_\_\_\_\_r *n.* a large, smooth rock, typically one that has been worn away from a cliff or mountain by erosion
273. in\_\_\_\_\_te both businesses *v.* to combine one thing with another so that they form a whole or work together; to accept equal participation for members of all races and ethnic groups

ANSWERS: 264. deform, 265. instruction, 266. state-of-the-art, 267. displace, 268. germ, 269. rediscover, 270. hooked, 271. insulate, 272. boulder, 273. integrate

274. the fr\_\_e of the policy *n.* a strong border or structure of the wood, metal, etc. that surrounds something such as a picture, door, or window
275. die\_\_\_\_ic substance *adj.* of or relating to a type of material that is a poor conductor of electricity, often used as an insulator in electronics; not allowing electric charges to flow easily through it
276. high vo\_\_\_e *n.* the amount of space occupied by an object or substance; the magnitude of sound
277. en\_\_\_\_e value *v.* to increase or improve the quality, amount, or strength of someone or something
278. flexed bi\_\_\_s *n.* a muscle located in the upper arm that enables the arm to bend at the elbow
279. bu\_\_\_e in the champagne glass *n.* a thin, round, and often transparent mass of gas that is surrounded by a thin layer of liquid; a state of economic or social prosperity that is unsustainable and eventually collapses
280. 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
281. giant oc\_\_\_\_s *n.* a sea creature with a soft round body and eight long tentacles (= long parts like arms)
282. am\_\_\_\_y the effect *v.* to enhance something, particularly sound or brightness

ANSWERS: 274. frame, 275. dielectric, 276. volume, 277. enhance, 278. biceps, 279. bubble, 280. squeeze, 281. octopus, 282. amplify



283. di\_\_\_\_\_er recovery *n.* an unexpected event or series of events that cause widespread damage, destruction, or loss of life
284. com\_\_\_\_\_ty theory *n.* the state or quality of being complicated or intricate and difficult to understand
285. oxide co\_\_\_\_\_or *n.* someone who leads the performance of musicians or a piece of music; (in physics) an object, substance, or material that readily allows the flow of electricity, heat, etc.
286. st\_\_\_\_\_h a story *v.* to make or be capable of making anything longer or broader without hurting or breaking
287. mo\_\_\_g ceremony *adj.* causing strong emotions or feelings, especially sadness or sympathy
288. h\_\_t a job *v.* to go after and try to catch wild animals to kill them for food, sport, or profit
289. intraspecific com\_\_\_\_\_on *n.* a situation in which someone is attempting to beat or outperform another
290. sta\_\_\_\_\_art technology *adj.* characterized by the use of the latest and most advanced technology or methods; cutting-edge
291. low vo\_\_\_\_\_e *n.* the difference in the force of an electric current between two points
292. s\_\_t beliefs *n.* a group of people who follow a particular religious or philosophical belief system, especially one that is regarded as outside the norm or mainstream

ANSWERS: 283. disaster, 284. complexity, 285. conductor, 286. stretch, 287. moving, 288. hunt, 289. competition, 290. state-of-the-art, 291. voltage, 292. sect

293. carbon fi\_\_r *n.* thread or filament used to make a vegetable tissue, mineral material, or textile
294. sup\_\_\_\_\_an effort *adj.* possessing abilities or characteristics that exceed those of normal humans; beyond human capacity or capability
295. sewing ne\_\_\_e *n.* a thin, pointed object typically used for sewing or medical purposes; a metal or plastic instrument used for administering injections or drawing blood
296. 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
297. ma\_\_\_\_\_in order *v.* to continue to uphold or sustain; to keep in a particular state or condition; to assert or declare something to be true
298. ac\_\_\_\_\_e a parking brake *v.* to cause a machine or equipment to start to work
299. manual de\_\_\_\_\_ty *n.* skill and speed in performing physical tasks, especially with the hands; mental skill or adroitness in dealing with situations or problems
300. ex\_\_\_\_\_ng football player *adj.* causing a lot of interest or excitement
301. fully com\_\_\_\_\_le *adj.* capable of coexisting or working together without conflict or inconsistency; harmonious or well-matched

ANSWERS: 293. fiber, 294. superhuman, 295. needle, 296. electrify, 297. maintain, 298. actuate, 299. dexterity, 300. exciting, 301. compatible

302. ri\_\_d rules *adj.* extremely strict and difficult to change or adapt; incapable of or resistant to bending
303. co\_\_\_\_\_or directing a symphony *n.* someone who leads the performance of musicians or a piece of music; (in physics) an object, substance, or material that readily allows the flow of electricity, heat, etc.
304. sc\_\_\_\_\_on fish *n.* a small creature similar to an insect with a segmented body, a pair of pincers, and a long, thin tail that ends in a venomous sting
305. individual ins\_\_\_\_\_on *n.* detailed direction, order, etc., on how to do or use something
306. int\_\_\_\_\_ory biology text *adj.* intended as an introduction or preliminary; serving as a base or starting point

ANSWERS: 302. rigid, 303. conductor, 304. scorpion, 305. instruction, 306. introductory

## Session 3: Fill in the Blanks

1. The athlete's \_\_\_\_\_ strength allowed him to lift twice his body weight.  
*adj.* possessing abilities or characteristics that exceed those of normal humans; beyond human capacity or capability
2. He does not \_\_\_\_\_ importance to these rumors.  
*v.* to fasten, join, or connect one thing to another
3. During the surgery, the doctor had to be extremely cautious not to \_\_\_\_\_ a blood vessel.  
*v.* to harm or cause injury to something or someone, often resulting in decreased value or functionality; to impair or negatively affect something, such as a reputation or relationship; (noun) harm or injury that is caused to a person, thing, or entity
4. Every human is responsible for taking care of the Earth's \_\_\_\_\_.  
*n.* the natural world such as air, water, and land in which humans, animals, and plants live
5. 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
6. She agreed to \_\_\_\_\_ with him in creating new artwork.  
*v.* to work with someone else to produce or achieve something
7. The map was divided into four \_\_\_\_\_ to examine the geographical region closely.  
*n.* a quarter of a circle or sphere or any of the four parts of an area divided by two intersecting lines or planes

ANSWERS: 1. superhuman, 2. attach, 3. damage, 4. environment, 5. electrify, 6. collaborate, 7. quadrants

8. His \_\_\_\_\_ speech about his struggles with addiction brought tears to the audience's eyes.

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

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

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

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

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

11. My son was \_\_\_\_\_ on the Internet.

*adj.* being caught or caught up in something; curved down like an eagle's beak

12. Eventually, the new design will \_\_\_\_\_ all older models.

*v.* to take the place of something

13. The \_\_\_\_\_ of her dress was breathtaking.

*n.* the quality of being graceful and stylish in appearance or manner

14. The golfer recorded an \_\_\_\_\_ distance.

*adj.* extremely surprising, especially in a way that you like or admire

15. Connecting batteries in series increase the \_\_\_\_\_ of the circuit.

*n.* the difference in the force of an electric current between two points

16. His \_\_\_\_\_ showed highly positive results.

*n.* the scientific test conducted to observe what happens and gain new knowledge

ANSWERS: 8. moving, 9. inspired, 10. component, 11. hooked, 12. replace, 13. elegance, 14. amazing, 15. voltage, 16. experiments

17. A \_\_\_\_\_ engineer is still in demand in many companies.  
*adj.* operated by a machine, relating to or concerned with machinery or tools
18. Destructive fungi thrive in moist environments, such as those seen in wounds on the \_\_\_\_\_.  
*n.* the main stem or body of a tree which its branches grow
19. The \_\_\_\_ of his idea came from watching birds flying in flocks.  
*n.* a very tiny living that causes the disease; a piece of something such as an organism, concept, etc., capable of growing into a new one or part of one
20. The satellite \_\_\_\_\_ slowly ascended into the sky.  
*n.* a small bag made of thin rubber or other light material that can be inflated with air or gas, used as a toy or as a decoration; (verb) to become inflated
21. You must \_\_\_\_\_ with others to obtain this position.  
*v.* to strive to achieve more success than someone or something
22. A desire for success \_\_\_\_\_ her.  
*v.* to cause a machine or equipment to start to work
23. The global community is undergoing \_\_\_\_\_ changes at present.  
*adj.* radical and extreme; likely to have a significant or far-reaching impact
24. The Mona Lisa is widely considered to be a \_\_\_\_\_ of art.  
*n.* a work of art that is exceptionally good or highly skilled; a great achievement
25. Watching a \_\_\_\_\_ at a flower is like observing a miniature ballet of nature.  
*n.* a small bird with a highly specialized beak and wings that allow it to hover in place, known for its rapid wingbeats and ability to fly in any direction

ANSWERS: 17. mechanical, 18. trunk, 19. germ, 20. balloon, 21. compete, 22. actuated, 23. drastic, 24. masterpiece, 25. hummingbird

26. We seek a candidate who possesses \_\_\_\_\_ fighting potential.  
*adj.* able or willing to modify or be modified to deal with new situations
27. The new software will streamline the workflow, \_\_\_\_\_ increasing productivity.  
*adv.* as a result; consequence of a particular action or set of conditions
28. He performed \_\_\_\_\_ tricks with sophisticated moves.  
*n.* beliefs and actions employed to influence supernatural beings and forces; any art or performance that invokes supernatural powers
29. She was close to her paternal \_\_\_\_\_ and often spent summers with them.  
*n.* a parent of one's father or mother
30. The surgeon's \_\_\_\_\_ was impressive during the delicate surgery.  
*n.* skill and speed in performing physical tasks, especially with the hands; mental skill or adroitness in dealing with situations or problems
31. 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
32. The national election was held amid \_\_\_\_\_ security.  
*adj.* fixed, fastened, or kept together firmly or closely
33. The mountainous \_\_\_\_\_ was rough and rocky.  
*n.* the physical features of a piece of land, including hills, valleys, rivers, and forests

ANSWERS: 26. adaptable, 27. thereby, 28. magic, 29. grandparents, 30. dexterity, 31. brain, 32. tight, 33. terrain

34. The restaurant offered delicious food at an \_\_\_\_\_ price.

*adj.* costing little; having a low price

35. We \_\_\_\_\_ taking media training every six months.

*v.* to suggest that someone or something would be a suitable fit for a particular purpose or role

36. 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

37. The experiment showed a strong \_\_\_\_\_ charge between the two objects.

*adj.* relating to the static electric charge produced by friction or other means; describing the behavior of insulators and conductors in electrical systems

38. Each ancient tribe has its \_\_\_\_\_ traditions.

*n.* the process of becoming or making somebody or something well again

39. Energy-efficient \_\_\_\_\_ are needed to maximize the cruising distance of electric vehicles.

*n.* a device that converts electricity, fuel, etc. into movement and makes a machine, vehicle, etc. work

40. He experienced nausea after eating live \_\_\_\_\_.

*n.* a sea creature with a soft round body and eight long tentacles (= long parts like arms)

41. Global \_\_\_\_\_ is rising in virtually every industry.

*n.* a situation in which someone is attempting to beat or outperform another

ANSWERS: 34. inexpensive, 35. recommend, 36. rigid, 37. electrostatic, 38. healing, 39. motors, 40. octopus, 41. competition



42. Hydrogen and oxygen \_\_\_\_\_ to form water.  
*v.* to join or merge to form a single thing or group
43. The doctor ordered an \_\_\_\_\_ to see if there was any damage to the bones.  
*n.* a type of electromagnetic radiation that has a wavelength shorter than visible light allowing hidden objects such as bones and organs inside the body to be photographed
44. One such rapidly growing \_\_\_\_\_ is quantum cryptography.  
*n.* an idea or principle associated with something abstract
45. They hope to \_\_\_\_\_ their business worldwide.  
*v.* to increase or to make something greater in size, number, or importance
46. The incident attracted \_\_\_\_\_ media coverage throughout the world.  
*adj.* covering a large area; having a wide range
47. The budget reduction was an \_\_\_\_\_ feat for our nation.  
*adj.* arousing admiration due to size, quality, or skill
48. We are developing plant-derived \_\_\_\_\_ to reduce environmental impact.  
*n.* a substance composed of macromolecules (= large groups of atoms) made from many smaller and simpler molecules
49. We must consume dietary \_\_\_\_\_ to maintain good health.  
*n.* thread or filament used to make a vegetable tissue, mineral material, or textile
50. The engineer used \_\_\_\_\_ insulation in the electrical wiring to prevent fires.  
*adj.* of or relating to a type of material that is a poor conductor of electricity, often used as an insulator in electronics; not allowing electric charges to flow easily through it

ANSWERS: 42. combine, 43. X-ray, 44. concept, 45. expand, 46. extensive, 47. impressive, 48. polymers, 49. fiber, 50. dielectric

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

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

52. The new software system was a \_\_\_\_\_ of complications, with one problem leading to another.

- n.* a freshwater polyp with a tubular body and several tentacles; (of mythology) a serpentine monster with many heads that regrow when cut off; a problem or a situation that is difficult to overcome because it multiplies or gets worse as soon as one aspect of it is solved or eliminated

53. The heat from the fire \_\_\_\_\_ the plastic parts of the appliance.

- v.* to change or distort the shape or appearance of something; to become misshapen or distorted

54. They took the \_\_\_\_\_ step toward reconciliation.

- adj.* of or happening at the beginning; (noun) the first letter of a word, especially a person's name

55. The \_\_\_\_\_ of the discussion was the current state of the economy.

- n.* a subject that is being discussed or written about

56. It's intriguing to compare and \_\_\_\_\_ the two authors.

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

57. The artist created a \_\_\_\_\_ sculpture of a famous politician for the town square.

- adj.* resembling or appearing similar to something alive or real, often realistically or vividly; convincing or authentic in appearance or behavior

ANSWERS: 51. insulated, 52. hydra, 53. deformed, 54. initial, 55. topic, 56. contrast, 57. lifelike

58. The news of her sudden death was \_\_\_\_\_ to everyone who knew her.  
*adj.* surprising or shocking; difficult to believe
59. Our life is a \_\_\_\_\_ of experience in which events pass from the future through the present to the past.  
*n.* a series of similar items in which no part or portion is distinct or distinguishable from adjacent parts
60. I decided to seek counseling on the advice of my \_\_\_\_\_.  
*n.* one of a group of a coworker, especially in a profession or a business
61. Her \_\_\_\_\_ manner relaxed everyone there.  
*adj.* having or showing a kindly or tender nature; soft and mild
62. The \_\_\_\_\_ cheesecake at that restaurant is out of this world.  
*n.* a sweet and tart edible fruit that grows on bushes, usually with a soft red or black color and a rough texture on the outside
63. The \_\_\_\_\_ venom can be lethal to humans.  
*n.* a small creature similar to an insect with a segmented body, a pair of pincers, and a long, thin tail that ends in a venomous sting
64. The majority of synthetic vitamins are \_\_\_\_\_ from oil.  
*v.* to make goods in large numbers, usually in a factory using machines
65. The hikers had to climb over a \_\_\_\_\_ that was blocking their path.  
*n.* a large, smooth rock, typically one that has been worn away from a cliff or mountain by erosion

ANSWERS: 58. astonishing, 59. continuum, 60. colleague, 61. gentle, 62. raspberry, 63. scorpion's, 64. manufactured, 65. boulder

66. The phenomenon is \_\_\_\_\_ at optical wavelengths.

*adj.* impossible or nearly impossible to see

67. The focus of these initiatives is to make the financial system more \_\_\_\_\_.

*adj.* easy to perceive, detect, or understand; (of a material or article) permitting light to pass through freely

68. The \_\_\_\_\_ class was designed to give students a basic understanding of the subject.

*adj.* intended as an introduction or preliminary; serving as a base or starting point

69. The company signed a \_\_\_\_\_ with the supplier for the delivery of goods.

*n.* a legally binding agreement between two or more parties, setting out their rights and obligations to each other, typically in writing and enforceable by law

70. They study the \_\_\_\_\_ of the universe.

*n.* a gradual process of transformation of living things

71. The new software is not \_\_\_\_\_ with the old operating system, causing compatibility issues and errors.

*adj.* capable of coexisting or working together without conflict or inconsistency; harmonious or well-matched

72. The majority of snakes swallow their \_\_\_\_\_ whole.

*n.* the object of a hunt; an animal hunted or trapped for eating

73. Demonstrators strongly demanded immediate \_\_\_\_\_ for their country.

*n.* the right of an organization, country, or region to govern itself independently

ANSWERS: 66. invisible, 67. transparent, 68. introductory, 69. contract, 70. evolution, 71. compatible, 72. prey, 73. autonomy

74. The findings of the experiment were both \_\_\_\_\_ and unexpected.  
*adj.* causing a lot of interest or excitement
75. 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
76. The road was \_\_\_\_\_ causing the car to bounce up and down as it drove.  
*adj.* not level or flat; not balanced or symmetrical
77. The horror movie was so \_\_\_\_\_ that I couldn't watch it alone.  
*adj.* causing fear or fright; frightening; intimidating
78. The surgeon removed the tumor using \_\_\_\_\_ video assistance.  
*adj.* of or relating to mechanical robots; (robotics) the interdisciplinary branch of computer science and engineering with the practical use of robots
79. Many people invest in \_\_\_\_\_ skincare products to help reduce the signs of aging on their skin.  
*adj.* designed to prevent or reverse the effects of aging, often referring to cosmetic or medical interventions intended to improve skin elasticity, reduce wrinkles, or promote overall wellness in older adults
80. The \_\_\_\_\_ response team worked around the clock to aid those affected by the earthquake.  
*n.* an unexpected event or series of events that cause widespread damage, destruction, or loss of life
81. Many people worry that the current real estate market is a \_\_\_\_\_ that could burst soon.  
*n.* a thin, round, and often transparent mass of gas that is surrounded by a thin layer of liquid; a state of economic or social prosperity that is unsustainable and eventually collapses

ANSWERS: 74. exciting, 75. efficiency, 76. uneven, 77. scary, 78. robotic, 79. anti-aging, 80. disaster, 81. bubble

82. The construction of the new dam will \_\_\_\_\_ hundreds of families living downstream.
- v.* to force someone or something to leave their home or place of origin, especially as a result of conflict, natural disaster, or manipulation
83. The new strategy will \_\_\_\_\_ the profitability of our company.
- v.* to increase or improve the quality, amount, or strength of someone or something
84. He found that it is difficult to \_\_\_\_\_ socially.
- v.* to combine one thing with another so that they form a whole or work together; to accept equal participation for members of all races and ethnic groups
85. They enjoyed reading under the \_\_\_\_\_ trees.
- n.* a small green or black fruit with a bitter taste that is eaten or used to produce oil or a tree on which this fruit grows
86. New \_\_\_\_\_ joints are less prone to metal poisoning.
- adj.* of or relating to an artificial part of the body, such as a limb, a heart, or a breast implant
87. 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
88. Several cities are experiencing \_\_\_\_\_ high unemployment rates.
- adv.* in a way that is very difficult to believe; exceedingly or extremely
89. The acupuncturist inserted \_\_\_\_\_ into specific points on my body to alleviate my pain.
- n.* a thin, pointed object typically used for sewing or medical purposes; a metal or plastic instrument used for administering injections or drawing blood

ANSWERS: 82. displace, 83. enhance, 84. integrate, 85. olive, 86. prosthetic, 87. movement, 88. incredibly, 89. needles

90. It will take time for her mental scars to \_\_\_\_\_.

*v.* to make a wound or injury to become well again

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

*adj.* relating to electricity

92. My wallet wasn't big enough, so I kept my coins in a small \_\_\_\_\_.

*n.* a small bag or container with a drawstring or zipper used to carry small items; a small sac or pocket within an organ or tissue in the body

93. I need to \_\_\_\_\_ my car regularly to prevent any major mechanical issues.

*v.* to continue to uphold or sustain; to keep in a particular state or condition; to assert or declare something to be true

94. The break in the \_\_\_\_ threatened the valley.

*n.* a wall constructed over a river to block the flow of water, mainly used to generate energy

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

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

96. He found \_\_\_\_\_ in the works of his favorite authors.

*n.* something that motivates or encourages someone to create or achieve something, or a feeling of excitement or creativity

97. 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

ANSWERS: 90. heal, 91. electrical, 92. pouch, 93. maintain, 94. dam, 95. rubbed, 96. inspiration, 97. squeezed

98. You might need to \_\_\_\_\_ this point.

*v.* to enhance something, particularly sound or brightness

99. They needed further \_\_\_\_\_ to perform their duties efficiently.

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

100. The detective looked for fingerprints on the window \_\_\_\_\_.

*n.* a strong border or structure of the wood, metal, etc. that surrounds something such as a picture, door, or window

101. The gymnast was able to \_\_\_\_\_ his muscles to perform the difficult routine.

*v.* to show off one's strength, power, or possessions; to bend or be capable of bending easily

102. Later, his claim was found to be \_\_\_\_\_ false.

*adv.* completely

103. The industry in this country is still \_\_\_\_\_.

*adj.* of or relating to an early stage of society with no industry or technological development; simple, naive, or old-fashioned in style

104. This container has a \_\_\_\_\_ of 10 cubic meters.

*n.* the amount of space occupied by an object or substance; the magnitude of sound

105. She mixed flour, yeast, sugar, and water to make \_\_\_\_\_ for the bread.

*n.* a mixture of flour, liquid, and other ingredients, typically used to make bread, pastry, or pasta

ANSWERS: 98. amplify, 99. instruction, 100. frame, 101. flex, 102. entirely, 103. primitive, 104. volume, 105. dough



106. The \_\_\_\_\_ size shirt fits him perfectly.

*adj.* of a size, amount, or level that is average or intermediate; (noun) a means or instrumentality for storing or communicating information

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

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

108. The coach had the team run through the \_\_\_\_\_ ladder to improve their coordination.

*n.* the ability to move quickly and easily, often in a way that is graceful and controlled

109. The road of \_\_\_\_\_ leads to the palace of wisdom.

*n.* an amount or quantity beyond what is acceptable, expected, or reasonable

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

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

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

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

112. He injured his \_\_\_\_\_ during the game and had to sit out for the rest of the season.

*n.* a muscle located in the upper arm that enables the arm to bend at the elbow

113. Diamonds are employed as thermal \_\_\_\_\_ as well.

*n.* someone who leads the performance of musicians or a piece of music; (in physics) an object, substance, or material that readily allows the flow of electricity, heat, etc.

ANSWERS: 106. medium, 107. biology, 108. agility, 109. excess, 110. physicist, 111. hunt, 112. biceps, 113. conductors

114. It's an area of \_\_\_\_\_ natural beauty.

*adj.* superior to others in excellence; not yet paid, completed, etc.

115. The company is planning to make a \_\_\_\_\_ expansion of its factory.

*adj.* involving many people or things and involving a lot of change or activity

116. Her research team made an important \_\_\_\_\_.

*n.* the act or process of finding information, a place, or an object, or learning about something that was previously not known

117. The weather in this region is often \_\_\_\_\_ with sudden rainstorms and strong winds.

*adj.* not capable of being foreseen or calculated; not regular or certain

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

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

119. Some herds have been observed to \_\_\_\_\_ hundreds of kilometers.

*v.* to make or be capable of making anything longer or broader without hurting or breaking

120. The sponge takes up the \_\_\_\_\_ well.

*n.* a substance, such as water or oil that flows freely and is neither a solid nor a gas

121. The company has made great strides in its \_\_\_\_\_ toward sustainability.

*n.* the act or process of changing to the next stage or phase or moving forward

122. The \_\_\_\_\_ of the two groups is good for brainstorming.

*n.* the act of connecting with someone, mainly when working, playing, or spending time with them

ANSWERS: 114. outstanding, 115. large-scale, 116. discovery, 117. unpredictable, 118. lab, 119. stretch, 120. liquid, 121. progression, 122. interaction

123. The content is \_\_\_\_\_ and informative for me.  
*adj.* sharply exact or accurate or delimited
124. We want to \_\_\_\_\_ ties between our two countries.  
*v.* to make or become better
125. The project's \_\_\_\_\_ made it difficult for the team to complete it on time.  
*n.* the state or quality of being complicated or intricate and difficult to understand
126. The imperial \_\_\_\_\_ was standardized legally by the British Empire.  
*n.* a unit for measuring volume, in the US, it is equal to about 3.79 liters, and in the UK, Canada, and other countries, it is equal to about 4.55 liters
127. She was diagnosed with a \_\_\_\_\_ buildup in her lungs.  
*n.* a substance that can flow and is not solid
128. 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
129. We must \_\_\_\_\_ a new system to streamline our workflow and increase efficiency.  
*v.* to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created
130. The hospital has \_\_\_\_\_ equipment and facilities to ensure the best healthcare for its patients.  
*adj.* characterized by the use of the latest and most advanced technology or methods; cutting-edge

ANSWERS: 123. precise, 124. improve, 125. complexity, 126. gallon, 127. fluid, 128. background, 129. develop, 130. state-of-the-art

131. 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

132. The painting was \_\_\_\_\_ in an attic and turned out to be a long-lost masterpiece.

*v.* to discover or find again something that was previously known but lost

133. The drought \_\_\_\_\_ the prices of grain globally.

*v.* to raise something to a higher position or level; to pick up something or somebody and move them to a different position

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

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

135. The gas was trapped inside the \_\_\_\_\_ under high pressure.

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

136. The organizational \_\_\_\_\_ of start-ups is often flat and straightforward.

*n.* the way of construction of something and the arrangement of its parts, or a complex thing constructed of many parts

137. The \_\_\_\_\_ of the economy has led to job losses.

*n.* the act or process of becoming smaller or shorter in size, volume, or amount

138. You can be more \_\_\_\_\_ and creative in your approach.

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

ANSWERS: 131. neuron, 132. rediscovered, 133. lifted, 134. surprisingly, 135. cylinders, 136. structure, 137. contraction, 138. flexible

139. It is a \_\_\_\_\_ in many families to have a big Thanksgiving dinner with all their relatives.
- n.* a belief, custom, or way of doing something that has been passed down from generation to generation within a group or society
140. The ship was \_\_\_\_\_ in the ocean for many years before it was finally discovered.
- v.* to put something under water or to go under water; to bury or hide something deeply or completely
141. The \_\_\_\_\_ in the steel beam caused the bridge to collapse.
- n.* a physical abnormality or distortion
142. He's a \_\_\_\_\_ actor who has acted in various parts.
- adj.* able to do many things in different fields; having many talents
143. Her concept is highly \_\_\_\_\_ and helpful.
- adj.* of or connected with actual use or real situation rather than with theory and ideas
144. He tried to \_\_\_\_\_ a bad reputation and win the election.
- v.* to succeed in controlling or dealing with something, such as a problem or difficulty; to defeat or overwhelm someone
145. 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
146. The minority \_\_\_\_\_ believed in a set of unconventional religious practices.
- n.* a group of people who follow a particular religious or philosophical belief system, especially one that is regarded as outside the norm or mainstream

ANSWERS: 139. tradition, 140. submerged, 141. deformity, 142. versatile, 143. practical, 144. overcome, 145. device, 146. sect

147. This consulting firm decided to \_\_\_\_\_ the two companies into one.  
*v.* to combine or integrate things, or to cause this to happen
148. He is drawing a \_\_\_\_\_ illustrating how the equipment operates.  
*n.* a simplified illustration of the appearance, structure, or workings of something
149. His \_\_\_\_\_ in the other company is responsible for marketing.  
*n.* a person or thing that corresponds to or has the same function as another person or thing
150. Efficiency isn't an essential \_\_\_\_\_ here; fairness is.  
*n.* a fundamental law or truth that explains or controls how something happens or works
151. The news of her promotion \_\_\_\_\_ her.  
*v.* to make someone feel suddenly enthusiastic or eager
152. That car has a low environmental \_\_\_\_\_.  
*n.* a duty, responsibility, etc. that is oppressive or worrisome; a load, typically a heavy one that is difficult to carry
153. The mathematician pioneered fractal \_\_\_\_\_.  
*n.* the area of pure mathematics that deals with the points, lines, curves, and surfaces

ANSWERS: 147. merge, 148. diagram, 149. counterpart, 150. principle, 151. excited, 152. burden, 153. geometry