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Vocabulary Builder Reference from...

Robert Katzschmann: The future of machines that move like animals | TED Talk

https://www.ted.com/talks/robert_katzschmann_the_future_of_machines_that_move_like_animals

All Words

IMPORTANT

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Session 1: Word List

modern

adj. of or belonging to the present time or recent times

synonym : contemporary, stylish, current

(1) **modern** poetry, (2) pre- **modern** agricultural society

Their headquarters are in a **modern** skyscraper.

engineer

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

synonym : architect, creator, builder

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

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

rot

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

synonym : perish, decay, corrode

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

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

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.

unnatural

adj. not in accordance with the normal or natural order or not normal, typical, or expected

synonym: abnormal, bizarre, artificial

(1) **unnatural** death, (2) **unnatural** disaster

The **unnatural** growth of the city has disrupted wildlife habitats.

constant

adj. happening repeatedly or all the time

synonym: ceaseless, stable, unchanging

(1) a **constant** wind, (2) a **constant** temperature

Constant dropping wears away the stone.

constantly

adv. all the time

synonym: continuously, always, frequently

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

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

exposed

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

synonym: endangered, revealed, disclosed

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

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

depressed

adj. sad and without any hope

synonym: despondent, despairing, sad

(1) **depressed** feeling, (2) the market is **depressed**

After his mother died, he got **depressed**.

tinnitus

n. a ringing, buzzing, or other noise in the ears or head that is not caused by an external sound source; often associated with hearing loss or damage to the ear

synonym: ringing, buzzing, humming

(1) **tinnitus** treatment, (2) chronic **tinnitus**

She suffered from severe **tinnitus** after attending a loud

concert without earplugs.

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.

glide

v. to move smoothly and effortlessly
synonym: slide, skim, coast

(1) **glide** through the water, (2) **glide** down the mountain
The eagle gracefully **glided** on the thermals, soaring above the mountains.

wiggle

v. to move or cause to move up and down or from side to side in short and quick movements
synonym: wiggle, jiggle, squirm

(1) **wiggle** her lips, (2) **wiggle** with excitement
Her hips **wiggle** as she walks.

rattle

v. to make or cause to make short, successive, sharp, and loud sounds
synonym: jolt, shake, babble

(1) **rattle** along a road, (2) **rattle** and bang at the door
The vast earthquake caused the house to **rattle**.

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.

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.

haul

v. to physically drag or pull someone or something with effort

synonym: drag, pull, tug

(1) **haul** on a rope, (2) **haul** truck

They had to **haul** the boat out of the water for repairs.

biomimetics

n. the study of natural systems and structures to create new technologies or improve existing ones

(1) **biomimetics** research, (2) **biomimetics** technology

The aircraft's design was inspired by **biomimetics** principles, which allowed for improved aerodynamics and reduced fuel consumption.

adaptive

adj. capable of adjusting to new situations or changing conditions

synonym: flexible, adjustable, pliant

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

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

submarine

n. a type of underwater vehicle or vessel that can operate beneath the surface of the water; (adjective) beneath the surface of the sea

synonym: sub, underwater vessel, sea-craft

(1) a **submarine** volcano, (2) **submarine** cable

The military **submarine** disappeared without a trace.

propel

v. to move, drive or push something forward or in a particular direction, often with a lot of force

synonym: drive, push, move

(1) **propel** growth, (2) **propel** the ship

An increase in employment helps **propel** economic growth.

imitate

v. to copy the speech, behavior, appearance, etc. of someone or something

synonym : mimic, emulate, replicate

(1) **imitate** painting styles, (2) **imitate** animal sounds

He **imitated** the modus operandi of the famous phantom thief.

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.

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.

spinning

n. the act of rotating rapidly around an axis; in the context of textiles, the process of twisting fibers together to form thread or yarn

synonym : whirling, rotating, spinning wheel

(1) **spinning** machine, (2) **spinning** wheel

She took a **spinning** class at the gym to improve her cardiovascular fitness.

propeller

n. a device with rotating blades or vanes used for propulsion or creating lift, typically used on boats or aircraft

synonym : prop, rotor, fan

(1) **propeller** design, (2) **propeller** aircraft

The boat's **propeller** stopped working in the middle of the lake.

disrupt

v. to prevent or stop something, especially an event, activity, or process, from continuing in the usual way by

causing a problem or disturbance

synonym : interrupt, disturb, break into

(1) **disrupt** a well-ordered condition, (2) **disrupt** sleep
I'm so sorry to **disrupt** you when you're pretty busy.

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.

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.

demonstration

n. a display or show, often of a particular skill or product, intended to convince or persuade others

synonym : manifestation, presentation, show

(1) **demonstration** project, (2) a campus **demonstration**
Thousands of people attended the protest **demonstration** against the proposed policy.

untethered

adj. not tied or secured to anything; free to move or roam without restriction or confinement

synonym : free, loose, unattached

(1) **untethered** phone, (2) **untethered** from reality

The bird flew **untethered** in the sky.

explore

v. to travel to or penetrate an area or a country to learn about it; to thoroughly examine a subject or a possibility to learn more about it

synonym :

analyze, delve into, examine

(1) **explore** the world, (2) **explore** our options

The management must **explore** strategies to increase office security.

pump

v. to cause water, air, gas, etc. to move from one place to another by using mechanical equipment; to get or supply something such as money, information, etc. in significant quantities

synonym: drain, inject, send

(1) **pump** a secret out of success, (2) **pump** blood throughout the body

He was alert and could not **pump** any critical information out of him.

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.

monitor

v. to observe, check, and track the progress or quality of something over a period of time

synonym: proctor, check, observe

(1) **monitor** an exam, (2) **monitor** the data carefully

They used a special receiver to **monitor** police radio channels.

aquatic

adj. growing or living in, on or near, or connected with water

synonym: marine, submarine, oceanic

(1) **aquatic** vehicles, (2) **aquatic** life

Aquatic ecosystems perform many essential environmental functions.

prop

n. a piece of wood, metal, etc., placed beneath or against something to support it or keep it in position; a system, institution, or person that gives help or support to someone or something

synonym: support, buttress, column

(1) emotional **prop**, (2) **prop** stick

We have finally lost our last **prop**.

noisy

adj. making a lot of sounds, especially loud or disruptive sound

synonym: loud, cacophonous, clamorous

(1) **noisy** neighbor, (2) **noisy** party

The construction outside was creating a **noisy** distraction from my work.

desire

n. a strong feeling of wanting to have or do something

synonym: ambition, appetite, greed

(1) unsatisfied **desire**, (2) fleshly **desire**

Low sexual **desire** typically correlates with low testosterone levels.

silent

adj. without any or little sound

synonym: quiet, hushed, mute

(1) **silent** reading, (2) give **silent** consent

The politician remained **silent** despite intense media scrutiny.

efficiently

adv. in a way that produces maximum output with minimum effort or expense

synonym: expeditiously, skillfully, ably

(1) **efficiently** combined, (2) develop software more **efficiently**

We can resolve support requests quickly and **efficiently** by utilization of AI.

convert

v. to have a talk with someone; (adjective) reversed in order, relation, or action

synonym: alter, remake, transform

(1) **convert** fat into energy, (2) **convert** base 10 to base 16
I want to **convert** my sadness into strength.

electrical

adj. relating to electricity

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

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.

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.

stack

n. a pile of something arranged or laid one on top of another; a large tall chimney through which combustion gases and smoke can be evacuated

synonym: accumulation, heap, pile

(1) high **stack**, (2) a large **stack** of paper
The earthquake caused a **stack** of lumber to crumble noisily.

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.

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.

relax

v. to become or cause someone to become less active or tense and calmer

synonym: soften, comfort, soothe

(1) **relax** a series of muscles, (2) **relax** at home

The rules were **relaxed** after the new executive arrived.

thigh

n. the part of the human leg between the hip and the knee; in animals, the corresponding upper part of the hind leg

synonym: thigh-bone, femur, upper leg

(1) **thigh** muscle, (2) chicken **thigh**

The marathon runner felt a cramp in her **thigh** at the 20th mile.

laminated

n. a material made by bonding together two or more layers of different materials, often used in furniture or flooring

synonym: veneer, coating, layer

(1) **laminated** flooring, (2) **laminated** table

The countertop in my kitchen is made of durable **laminated** material.

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**.

conductivity

n. the quality of a material's ability to conduct electricity, heat, etc.

synonym: conduction

(1) low **conductivity**, (2) electrical **conductivity**

High thermal **conductivity** is also essential for the exterior of the machine.

spray

n. a fine mist of liquid that is dispersed into the air; flower arrangement consisting of a single branch or shoot bearing flowers and foliage

synonym : mist, aerosol, atomizer

(1) a **spray** of mist, (2) an insect **spray**

The artist used a **spray** paint can to create a graffiti mural on the wall.

inject

v. to put a liquid such as a drug or other substance into a person's or an animal's body using a needle and syringe (= small tube)

synonym : shoot, infiltrate, insinuate

(1) **inject** under the skin, (2) **inject** a personal opinion into a debate

Let's try to **inject** a bit of enthusiasm into your performance.

electrode

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

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

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

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.

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.

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.

antagonistic

adj. characterized by opposition or hostility towards someone or something, often used to describe a confrontational or aggressive attitude

synonym: hostile, opposing, conflicting

(1) an **antagonistic** contradiction, (2) **antagonistic** relationship

His **antagonistic** behavior was causing trouble in the workplace.

hull

n. the main body or frame of a ship, airplane, or other vehicles, or the outer covering or shell of a seed, fruit, or other objects

synonym: shell, skin, outer covering

(1) set a strake on the **hull**, (2) double- **hull** tank

The ship's **hull** was damaged in the storm, and the crew had to make emergency repairs.

spine

n. the series of bones running down the center of the back that protect the spinal cord and support the body; the backbone or vertebral column

synonym: backbone, vertebra, column

(1) the **spine** of a book, (2) a cervical **spine** injury

She has a minor curved **spine** due to desk work for many years.

alternate

adj. occurring or existing one after the other regularly

synonym: substitute, back up, equivalent

(1) **alternate** choice, (2) every **alternate** year
The cleaning lady comes on **alternate** Wednesdays.

fashion

n. a style that is popular at a particular time or place; the state of being popular

synonym: style, manner, fad

(1) go out of **fashion**, (2) new **fashion** trends

That style is no longer in **fashion**.

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.

rely

v. to require a specific thing or the assistance and support of someone or something to continue, run properly, or succeed.

synonym: depend, count, lean

(1) **rely** on convenience stores, (2) **rely** entirely on him

Babies heavily **rely** on others for food.

tedious

adj. tiresome or boring because of being repetitive, dull, or too long; causing mental or physical fatigue due to its unrelenting nature

synonym: boring, monotonous, dull

(1) **tedious** task, (2) **tedious** routine

The work of data entry can be **tedious**, but it is important for maintaining accurate records.

fabricate

v. to make something, especially by assembling parts or constructing it from raw materials; to invent and present something false as true or real to deceive someone

synonym: manufacture, assemble, falsify

(1) **fabricate** a chemical, (2) **fabricate** an excuse

The detective discovered that the witness had **fabricated** her story about the crime.

software

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

synonym : program, system, operating system

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

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

simulate

v. to make a pretense of someone's behavior or looks; to reproduce something that exists in real life using computers, models, etc., usually for study or training purposes

synonym : pretend, imitate, mimic

(1) **simulate** climate change, (2) **simulate** a future scenario

He had painted the wood to **simulate** stone.

optimize

v. to make the best or most effective use of something

synonym : advance, amend, improve

(1) **optimize** a process, (2) **optimize** control for cooling

The essence of economics is to **optimize** the allocation of limited resources.

continuous

adj. occurring or existing without a pause or interruption

synonym : ceaseless, regular, repeated

(1) **continuous** improvement, (2) a **continuous** row of warehouses

The heavy snow has been **continuous** since last morning.

interpolation

n. the insertion of something, such as a word or phrase, into a text or speech; the estimation of a value within an existing set of data by calculating values that are based on surrounding known values

synonym : insertion, addition, interpolation

(1) spline **interpolation**, (2) perform **interpolation**

The scientist used **interpolation** to estimate the amount of rain that fell during the storm.

creature

n. a living being, especially an animal

synonym: being, animal, organism

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

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

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**.

stimulate

v. to encourage something to develop or become more active; to stir the feelings or emotions

synonym: excite, provoke, arouse

(1) **stimulate** the economy, (2) **stimulate** the nervous system

The book **stimulated** my imagination.

lasting

adj. durable and enduring over time; continuing or permanent in effect

synonym: enduring, permanent, persistent

(1) **lasting** impression, (2) **lasting** impact

Their marriage was built on a foundation of love and trust, which resulted in a **lasting** relationship that spanned over fifty years.

fascinating

adj. extremely interesting

synonym: alluring, intriguing, captivating

(1) **fascinating** story, (2) completely **fascinating** to me

The museum houses a **fascinating** collection of Celtic artifacts.

standalone

adj. (of computer hardware or software) able to operate the system without being connected to other hardware or software; (also stand-alone) capable of working independently

(1) **standalone** application, (2) **standalone** approach
We never prescribe medication as a **standalone** treatment.

immune

adj. protected against a particular disease or toxin due to the presence of specific antibodies or sensitized white blood cells

synonym: resistant, unsusceptible, unaffected

(1) **immune** from criminal prosecution, (2) the cell of the **immune** system

The vaccination does not necessarily make you completely **immune**.

chemical

adj. relating to or connected with chemistry;

synonym: chemic, synthetic

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

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

nutrient

n. any substance that is essential for the maintenance and growth of living things

synonym: food, vitamin

(1) **nutrient** medicine, (2) a **nutrient** for hair

They used fast-acting **nutrients** on the flowers in the flower beds.

eventually

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

synonym: finally, someday, ultimately

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

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

sustainable

adj. able to continue or be continued for a long time

synonym: continuable, enduring, tolerable

(1) **sustainable** alternative fuel, (2) principles of **sustainable** development

The government should do more to support environmentally

sustainable agriculture.

biodegrade

v. to decay naturally by microorganisms, such as bacteria and fungi

(1) **biodegrade** by the microorganism, (2) bioplastic designed to **biodegrade**

The company's plastic products are easily **biodegraded** thanks to a unique manufacturing process.

emission

n. the act of production or sending out gas, heat, light, etc.
synonym: emanation, radiation, discharge

(1) global **emissions** of greenhouse gases, (2) the **emission** of light

There are five distinct **emissions** at five unique wavelengths.

pollution

n. the introduction of harmful substances or waste into the natural environment that causes adverse change

synonym: corrosion, deterioration, corruption

(1) environmental **pollution**, (2) high levels of air **pollution**

The **pollution** is endangering the local plants and animals.

mimic

v. to imitate someone's speech, movement, or behavior, especially to make others laugh

synonym: mirror, imitate, ape

(1) **mimic** a human voice, (2) **mimic** numerous instruments

He is very popular at school because he can **mimic** all the teachers' accents.

rethink

v. to consider again a plan, idea, etc., especially to change it

synonym: reexplore, review, reconsider

(1) **rethink** a marketing plan, (2) **rethink** the role of the manager

We have to **rethink** our company's product lineup for further growth.

invention

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

synonym : creation, design, innovation

(1) the **invention** of new techniques, (2) common **invention**

Necessity is the mother of **invention**.

holistic

adj. relating to or dealing with the whole of something rather than just its parts

synonym : comprehensive, all-encompassing, total

(1) **holistic** education, (2) develop a **holistic** vision

The **holistic** approach to healthcare considers the person's physical, mental, and emotional well-being.

perspective

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

synonym : viewpoint, standpoint, outlook

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

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

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.

pollute

v. to make an area or substance, such as land, air, water, etc., dirty or harmful to living things by adding waste matter or harmful chemicals

synonym : contaminate, corrupt, degrade

(1) **pollute** the air, (2) **pollute** the thread

We should do our best not to **pollute** the environment.

reimagine

v. to imagine or conceive of something in a new or different way

synonym : re-conceptualize, re-envision, re-create

(1) **reimagine** the future, (2) **reimagine** the possibilities
The company is trying to **reimagine** its business model to stay competitive.

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**.

Session 2: Spelling

- | | |
|----------------------------------|---|
| 1. pr_____er aircraft | <i>n.</i> a device with rotating blades or vanes used for propulsion or creating lift, typically used on boats or aircraft |
| 2. un_____al disaster | <i>adj.</i> not in accordance with the normal or natural order or not normal, typical, or expected |
| 3. op_____ze control for cooling | <i>v.</i> to make the best or most effective use of something |
| 4. ri__d structure | <i>adj.</i> extremely strict and difficult to change or adapt; incapable of or resistant to bending |
| 5. the sp__e of a book | <i>n.</i> the series of bones running down the center of the back that protect the spinal cord and support the body; the backbone or vertebral column |
| 6. re_____ne the possibilities | <i>v.</i> to imagine or conceive of something in a new or different way |
| 7. ro_____c guide operation | <i>adj.</i> of or relating to mechanical robots; (robotics) the interdisciplinary branch of computer science and engineering with the practical use of robots |
| 8. co_____t base 10 to base 16 | <i>v.</i> to have a talk with someone; (adjective) reversed in order, relation, or action |
| 9. give si____t consent | <i>adj.</i> without any or little sound |
| 10. im_____e painting styles | <i>v.</i> to copy the speech, behavior, appearance, etc. of someone or something |

ANSWERS: 1. propeller, 2. unnatural, 3. optimize, 4. rigid, 5. spine, 6. reimagine, 7. robotic, 8. convert, 9. silent, 10. imitate

11. copyrighted so_____re *n.* a set of computer programs and associated documentation and data for doing particular computational jobs
12. sus_____le alternative fuel *adj.* able to continue or be continued for a long time
13. 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
14. un_____al death *adj.* not in accordance with the normal or natural order or not normal, typical, or expected
15. pre-mo___n agricultural society *adj.* of or belonging to the present time or recent times
16. pr___l growth *v.* to move, drive or push something forward or in a particular direction, often with a lot of force
17. 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
18. an ant_____tic contradiction *adj.* characterized by opposition or hostility towards someone or something, often used to describe a confrontational or aggressive attitude
19. the market is de_____ed *adj.* sad and without any hope
20. low con_____ity *n.* the quality of a material's ability to conduct electricity, heat, etc.
21. in___t a personal opinion into a debate *v.* to put a liquid such as a drug or other substance into a person's or an animal's body using a needle and syringe (= small tube)

ANSWERS: 11. software, 12. sustainable, 13. pouch, 14. unnatural, 15. modern, 16. propel, 17. lift, 18. antagonistic, 19. depressed, 20. conductivity, 21. inject

22. cr_____re of habit *n.* a living being, especially an animal
23. fa_____te a chemical *v.* to make something, especially by assembling parts or constructing it from raw materials; to invent and present something false as true or real to deceive someone
24. low vo_____e *n.* the difference in the force of an electric current between two points
25. no__y neighbor *adj.* making a lot of sounds, especially loud or disruptive sound
26. a per_____ve view *n.* a confident attitude toward something; a particular style of thinking about something
27. develop software more eff_____ly *adv.* in a way that produces maximum output with minimum effort or expense
28. nu_____nt medicine *n.* any substance that is essential for the maintenance and growth of living things
29. pr_____er design *n.* a device with rotating blades or vanes used for propulsion or creating lift, typically used on boats or aircraft
30. im___e from criminal prosecution *adj.* protected against a particular disease or toxin due to the presence of specific antibodies or sensitized white blood cells
31. 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

ANSWERS: 22. creature, 23. fabricate, 24. voltage, 25. noisy, 26. perspective, 27. efficiently, 28. nutrient, 29. propeller, 30. immune, 31. contract

32. new fa_____n trends *n.* a style that is popular at a particular time or place; the state of being popular
33. an ex_____d rock *adj.* having no protection or shield from something, such as bad weather, attack, or criticism
34. no__y party *adj.* making a lot of sounds, especially loud or disruptive sound
35. a con_____us row of warehouses *adj.* occurring or existing without a pause or interruption
36. dem_____ion project *n.* a display or show, often of a particular skill or product, intended to convince or persuade others
37. im_____e the test score *v.* to make or become better
38. h__l a broken bone *v.* to make a wound or injury to become well again
39. im_____e a process *v.* to make or become better
40. po_____e the thread *v.* to make an area or substance, such as land, air, water, etc., dirty or harmful to living things by adding waste matter or harmful chemicals
41. po_____e the air *v.* to make an area or substance, such as land, air, water, etc., dirty or harmful to living things by adding waste matter or harmful chemicals
42. chronic ti_____us *n.* a ringing, buzzing, or other noise in the ears or head that is not caused by an external sound source; often associated with hearing loss or damage to the ear

ANSWERS: 32. fashion, 33. exposed, 34. noisy, 35. continuous, 36. demonstration, 37. improve, 38. heal, 39. improve, 40. pollute, 41. pollute, 42. tinnitus

43. 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
44. unt_____ed phone *adj.* not tied or secured to anything; free to move or roam without restriction or confinement
45. re_____k the role of the manager *v.* to consider again a plan, idea, etc., especially to change it
46. ri__d rules *adj.* extremely strict and difficult to change or adapt; incapable of or resistant to bending
47. te_____s task *adj.* tiresome or boring because of being repetitive, dull, or too long; causing mental or physical fatigue due to its unrelenting nature
48. r__y on convenience stores *v.* to require a specific thing or the assistance and support of someone or something to continue, run properly, or succeed.
49. 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
50. mo____n poetry *adj.* of or belonging to the present time or recent times
51. con_____on in the industry *n.* the act or process of becoming smaller or shorter in size, volume, or amount

ANSWERS: 43. discovery, 44. untethered, 45. rethink, 46. rigid, 47. tedious, 48. rely, 49. contract, 50. modern, 51. contraction

52. re____e a phone *v.* to take the place of something
53. r__y entirely on him *v.* to require a specific thing or the assistance and support of someone or something to continue, run properly, or succeed.
54. 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
55. a con_____ly innovative enterprise *adv.* all the time
56. a mo__r mechanic *n.* a device that converts electricity, fuel, etc. into movement and makes a machine, vehicle, etc. work
57. h__l on a rope *v.* to physically drag or pull someone or something with effort
58. sta_____ne approach *adj.* (of computer hardware or software) able to operate the system without being connected to other hardware or software; (also stand-alone) capable of working independently
59. ex_____e our options *v.* to travel to or penetrate an area or a country to learn about it; to thoroughly examine a subject or a possibility to learn more about it
60. completely fas_____ng to me *adj.* extremely interesting
61. r_b shoulders *v.* to move one's hand or an object over the surface of something with pressure
62. environmental po_____on *n.* the introduction of harmful substances or waste into the natural environment that causes adverse change

ANSWERS: 52. replace, 53. rely, 54. robotic, 55. constantly, 56. motor, 57. haul, 58. standalone, 59. explore, 60. fascinating, 61. rub, 62. pollution

63. 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
64. 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
65. a co____nt temperature *adj.* happening repeatedly or all the time
66. co____st with a decade ago *v.* to put in opposition to show or emphasize differences
67. re____ne the future *v.* to imagine or conceive of something in a new or different way
68. principles of sus____le development *adj.* able to continue or be continued for a long time
69. ant____tic relationship *adj.* characterized by opposition or hostility towards someone or something, often used to describe a confrontational or aggressive attitude
70. the in____on of new techniques *n.* the creation of a new device or process resulting from study and experimentation; the act of inventing
71. fleshly de____e *n.* a strong feeling of wanting to have or do something
72. DC mo__r control *n.* a device that converts electricity, fuel, etc. into movement and makes a machine, vehicle, etc. work
73. a nu____nt for hair *n.* any substance that is essential for the maintenance and growth of living things

ANSWERS: 63. squeeze, 64. pouch, 65. constant, 66. contrast, 67. reimagine, 68. sustainable, 69. antagonistic, 70. invention, 71. desire, 72. motor, 73. nutrient

74. bio_____de by the microorganism *v.* to decay naturally by microorganisms, such as bacteria and fungi
75. fas_____ng story *adj.* extremely interesting
76. unsatisfied de___e *n.* a strong feeling of wanting to have or do something
77. con_____on of a disease *n.* the act or process of becoming smaller or shorter in size, volume, or amount
78. sp_____ng wheel *n.* the act of rotating rapidly around an axis; in the context of textiles, the process of twisting fibers together to form thread or yarn
79. sta_____ne application *adj.* (of computer hardware or software) able to operate the system without being connected to other hardware or software; (also stand-alone) capable of working independently
80. ti_____us treatment *n.* a ringing, buzzing, or other noise in the ears or head that is not caused by an external sound source; often associated with hearing loss or damage to the ear
81. perform int_____ion *n.* the insertion of something, such as a word or phrase, into a text or speech; the estimation of a value within an existing set of data by calculating values that are based on surrounding known values
82. sp_____ng machine *n.* the act of rotating rapidly around an axis; in the context of textiles, the process of twisting fibers together to form thread or yarn

ANSWERS: 74. biodegrade, 75. fascinating, 76. desire, 77. contraction, 78. spinning, 79. standalone, 80. tinnitus, 81. interpolation, 82. spinning

83. bio_____cs research *n.* the study of natural systems and structures to create new technologies or improve existing ones
84. degree in ele_____al engineering *adj.* relating to electricity
85. wi___e with excitement *v.* to move or cause to move up and down or from side to side in short and quick movements
86. mi__c numerous instruments *v.* to imitate someone's speech, movement, or behavior, especially to make others laugh
87. si_____te a future scenario *v.* to make a pretense of someone's behavior or looks; to reproduce something that exists in real life using computers, models, etc., usually for study or training purposes
88. artificial cr_____re *n.* a living being, especially an animal
89. de___m the shape *v.* to change or distort the shape or appearance of something; to become misshapen or distorted
90. 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
91. co_____t fat into energy *v.* to have a talk with someone; (adjective) reversed in order, relation, or action
92. high st__k *n.* a pile of something arranged or laid one on top of another; a large tall chimney through which combustion gases and smoke can be evacuated

ANSWERS: 83. biomimetics, 84. electrical, 85. wiggle, 86. mimic, 87. simulate, 88. creature, 89. deform, 90. movement, 91. convert, 92. stack

93. op_____ze a process
v. to make the best or most effective use of something
94. si_____te climate change
v. to make a pretense of someone's behavior or looks; to reproduce something that exists in real life using computers, models, etc., usually for study or training purposes
95. h__l the hurt mind
v. to make a wound or injury to become well again
96. ex_____e the world
v. to travel to or penetrate an area or a country to learn about it; to thoroughly examine a subject or a possibility to learn more about it
97. an ele_____al storm
adj. relating to electricity
98. wi___e her lips
v. to move or cause to move up and down or from side to side in short and quick movements
99. bio_____cs technology
n. the study of natural systems and structures to create new technologies or improve existing ones
100. toxic ch_____als
adj. relating to or connected with chemistry;
101. set a strake on the h__l
n. the main body or frame of a ship, airplane, or other vehicles, or the outer covering or shell of a seed, fruit, or other objects
102. si___t reading
adj. without any or little sound
103. unt_____ed from reality
adj. not tied or secured to anything; free to move or roam without restriction or confinement

ANSWERS: 93. optimize, 94. simulate, 95. heal, 96. explore, 97. electrical, 98. wiggle, 99. biomimetics, 100. chemical, 101. hull, 102. silent, 103. untethered

104. the cell of the im___e system *adj.* protected against a particular disease or toxin due to the presence of specific antibodies or sensitized white blood cells
105. chicken th__h *n.* the part of the human leg between the hip and the knee; in animals, the corresponding upper part of the hind leg
106. la____g impact *adj.* durable and enduring over time; continuing or permanent in effect
107. aq____c vehicles *adj.* growing or living in, on or near, or connected with water
108. r_b a glass window *v.* to move one's hand or an object over the surface of something with pressure
109. el____de corrosion *n.* either of two points or ends of a conductor at which electricity enters or leaves an object, substance, or region
110. in___t under the skin *v.* to put a liquid such as a drug or other substance into a person's or an animal's body using a needle and syringe (= small tube)
111. la____te flooring *n.* a material made by bonding together two or more layers of different materials, often used in furniture or flooring
112. st____te the nervous system *v.* to encourage something to develop or become more active; to stir the feelings or emotions
113. eve____ly become obsolete *adv.* finally, particularly after a long time or a lot of struggle, complications, and so on

ANSWERS: 104. immune, 105. thigh, 106. lasting, 107. aquatic, 108. rub, 109. electrode, 110. inject, 111. laminate, 112. stimulate, 113. eventually

114. begin to r_t v. to decay, or cause something to decay, naturally and gradually
115. the ad____ve coloring *adj.* capable of adjusting to new situations or changing conditions
116. ex____d to radiation *adj.* having no protection or shield from something, such as bad weather, attack, or criticism
117. ra___e and bang at the door v. to make or cause to make short, successive, sharp, and loud sounds
118. mo____r an exam v. to observe, check, and track the progress or quality of something over a period of time
119. h__l truck v. to physically drag or pull someone or something with effort
120. de___m his way of life v. to change or distort the shape or appearance of something; to become misshapen or distorted
121. the per____ve of the battle *n.* a confident attitude toward something; a particular style of thinking about something
122. a ch____al compound *adj.* relating to or connected with chemistry;
123. p__p blood throughout the body v. to cause water, air, gas, etc. to move from one place to another by using mechanical equipment; to get or supply something such as money, information, etc. in significant quantities
124. ra___e along a road v. to make or cause to make short, successive, sharp, and loud sounds

ANSWERS: 114. rot, 115. adaptive, 116. exposed, 117. rattle, 118. monitor, 119. haul, 120. deform, 121. perspective, 122. chemical, 123. pump, 124. rattle

125. 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
126. double-h__l tank *n.* the main body or frame of a ship, airplane, or other vehicles, or the outer covering or shell of a seed, fruit, or other objects
127. re_____k a marketing plan *v.* to consider again a plan, idea, etc., especially to change it
128. platinum el_____des *n.* either of two points or ends of a conductor at which electricity enters or leaves an object, substance, or region
129. 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
130. electrical con_____ity *n.* the quality of a material's ability to conduct electricity, heat, etc.
131. every al_____te year *adj.* occurring or existing one after the other regularly
132. develop a ho_____ic vision *adj.* relating to or dealing with the whole of something rather than just its parts
133. 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
134. an insect sp__y *n.* a fine mist of liquid that is dispersed into the air; flower arrangement consisting of a single branch or shoot bearing flowers and foliage

ANSWERS: 125. movement, 126. hull, 127. rethink, 128. electrode, 129. integrate, 130. conductivity, 131. alternate, 132. holistic, 133. discovery, 134. spray

135. p__p stick *n.* a piece of wood, metal, etc., placed beneath or against something to support it or keep it in position; a system, institution, or person that gives help or support to someone or something
136. re__x at home *v.* to become or cause someone to become less active or tense and calmer
137. te____s routine *adj.* tiresome or boring because of being repetitive, dull, or too long; causing mental or physical fatigue due to its unrelenting nature
138. a con____ly varying mind *adv.* all the time
139. su____ne cable *n.* a type of underwater vehicle or vessel that can operate beneath the surface of the water; (adjective) beneath the surface of the sea
140. di____t sleep *v.* to prevent or stop something, especially an event, activity, or process, from continuing in the usual way by causing a problem or disturbance
141. high levels of air po____on *n.* the introduction of harmful substances or waste into the natural environment that causes adverse change
142. 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
143. a cervical sp__e injury *n.* the series of bones running down the center of the back that protect the spinal cord and support the body; the backbone or vertebral column

ANSWERS: 135. prop, 136. relax, 137. tedious, 138. constantly, 139. submarine, 140. disrupt, 141. pollution, 142. integrate, 143. spine

144. a su_____ne volcano *n.* a type of underwater vehicle or vessel that can operate beneath the surface of the water; (adjective) beneath the surface of the sea
145. a large st__k of paper *n.* a pile of something arranged or laid one on top of another; a large tall chimney through which combustion gases and smoke can be evacuated
146. go out of fa_____n *n.* a style that is popular at a particular time or place; the state of being popular
147. en_____er shortage *n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software
148. the vo_____e spiked *n.* the difference in the force of an electric current between two points
149. th__h muscle *n.* the part of the human leg between the hip and the knee; in animals, the corresponding upper part of the hind leg
150. re_____e one word with another *v.* to take the place of something
151. al_____te choice *adj.* occurring or existing one after the other regularly
152. int_____ory biology text *adj.* intended as an introduction or preliminary; serving as a base or starting point
153. st_____te the economy *v.* to encourage something to develop or become more active; to stir the feelings or emotions
154. ho_____ic education *adj.* relating to or dealing with the whole of something rather than just its parts

ANSWERS: 144. submarine, 145. stack, 146. fashion, 147. engineer, 148. voltage, 149. thigh, 150. replace, 151. alternate, 152. introductory, 153. stimulate, 154. holistic

155. gl__e through the water *v.* to move smoothly and effortlessly
156. la____g impression *adj.* durable and enduring over time; continuing or permanent in effect
157. eve_____ly succeed *adv.* finally, particularly after a long time or a lot of struggle, complications, and so on
158. a civil en_____er *n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software
159. de_____ed feeling *adj.* sad and without any hope
160. aq_____c life *adj.* growing or living in, on or near, or connected with water
161. fa_____te an excuse *v.* to make something, especially by assembling parts or constructing it from raw materials; to invent and present something false as true or real to deceive someone
162. product int_____ory sale *adj.* intended as an introduction or preliminary; serving as a base or starting point
163. bioplastic designed to bio_____de *v.* to decay naturally by microorganisms, such as bacteria and fungi
164. im_____e animal sounds *v.* to copy the speech, behavior, appearance, etc. of someone or something
165. the em_____on of light *n.* the act of production or sending out gas, heat, light, etc.
166. a fl_____le wire *adj.* able to change or be changed to suit new conditions or situations; able to bend easily

ANSWERS: 155. glide, 156. lasting, 157. eventually, 158. engineer, 159. depressed, 160. aquatic, 161. fabricate, 162. introductory, 163. biodegrade, 164. imitate, 165. emission, 166. flexible

167. di_____t a well-ordered condition *v.* to prevent or stop something, especially an event, activity, or process, from continuing in the usual way by causing a problem or disturbance
168. mi__c a human voice *v.* to imitate someone's speech, movement, or behavior, especially to make others laugh
169. la_____te table *n.* a material made by bonding together two or more layers of different materials, often used in furniture or flooring
170. global em_____ons of greenhouse gases *n.* the act of production or sending out gas, heat, light, etc.
171. pr____l the ship *v.* to move, drive or push something forward or in a particular direction, often with a lot of force
172. a co_____nt wind *adj.* happening repeatedly or all the time
173. spline int_____ion *n.* the insertion of something, such as a word or phrase, into a text or speech; the estimation of a value within an existing set of data by calculating values that are based on surrounding known values
174. so_____re architect *n.* a set of computer programs and associated documentation and data for doing particular computational jobs
175. con_____us improvement *adj.* occurring or existing without a pause or interruption
176. ad_____ve technology *adj.* capable of adjusting to new situations or changing conditions

ANSWERS: 167. disrupt, 168. mimic, 169. laminate, 170. emission, 171. propel, 172. constant, 173. interpolation, 174. software, 175. continuous, 176. adaptive

177. a sp__y of mist *n.* a fine mist of liquid that is dispersed into the air; flower arrangement consisting of a single branch or shoot bearing flowers and foliage
178. r_t with age *v.* to decay, or cause something to decay, naturally and gradually
179. 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
180. hazardous li____d *n.* a substance, such as water or oil that flows freely and is neither a solid nor a gas
181. fl_____le schedules *adj.* able to change or be changed to suit new conditions or situations; able to bend easily
182. co_____st two things *v.* to put in opposition to show or emphasize differences
183. gl__e down the mountain *v.* to move smoothly and effortlessly
184. mo_____r the data carefully *v.* to observe, check, and track the progress or quality of something over a period of time
185. eff_____ly combined *adv.* in a way that produces maximum output with minimum effort or expense
186. a campus dem_____ion *n.* a display or show, often of a particular skill or product, intended to convince or persuade others
187. colorless li____d *n.* a substance, such as water or oil that flows freely and is neither a solid nor a gas

ANSWERS: 177. spray, 178. rot, 179. squeeze, 180. liquid, 181. flexible, 182. contrast, 183. glide, 184. monitor, 185. efficiently, 186. demonstration, 187. liquid

188. re__x a series of muscles *v.* to become or cause someone to become less active or tense and calmer
189. 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
190. emotional p__p *n.* a piece of wood, metal, etc., placed beneath or against something to support it or keep it in position; a system, institution, or person that gives help or support to someone or something
191. p__p a secret out of success *v.* to cause water, air, gas, etc. to move from one place to another by using mechanical equipment; to get or supply something such as money, information, etc. in significant quantities
192. common in_____on *n.* the creation of a new device or process resulting from study and experimentation; the act of inventing

ANSWERS: 188. relax, 189. lift, 190. prop, 191. pump, 192. invention

Session 3: Fill in the Blanks

1. Necessity is the mother of _____.
n. the creation of a new device or process resulting from study and experimentation; the act of inventing

2. 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

3. The earthquake caused a _____ of lumber to crumble noisily.
n. a pile of something arranged or laid one on top of another; a large tall chimney through which combustion gases and smoke can be evacuated

4. The artist used a _____ paint can to create a graffiti mural on the wall.
n. a fine mist of liquid that is dispersed into the air; flower arrangement consisting of a single branch or shoot bearing flowers and foliage

5. There are five distinct _____ at five unique wavelengths.
n. the act of production or sending out gas, heat, light, etc.

6. The rules were _____ after the new executive arrived.
v. to become or cause someone to become less active or tense and calmer

7. The military _____ disappeared without a trace.
n. a type of underwater vehicle or vessel that can operate beneath the surface of the water; (adjective) beneath the surface of the sea

8. 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

ANSWERS: 1. invention, 2. introductory, 3. stack, 4. spray, 5. emissions, 6. relaxed, 7. submarine, 8. robotic

9. The company is trying to _____ its business model to stay competitive.
v. to imagine or conceive of something in a new or different way
10. Let's try to _____ a bit of enthusiasm into your performance.
v. to put a liquid such as a drug or other substance into a person's or an animal's body using a needle and syringe (= small tube)
11. Their headquarters are in a _____ skyscraper.
adj. of or belonging to the present time or recent times
12. _____ dropping wears away the stone.
adj. happening repeatedly or all the time
13. The deep sea _____ was unlike anything the scientists had ever seen before.
n. a living being, especially an animal
14. 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
15. The bird flew _____ in the sky.
adj. not tied or secured to anything; free to move or roam without restriction or confinement
16. The book _____ my imagination.
v. to encourage something to develop or become more active; to stir the feelings or emotions

ANSWERS: 9. reimagine, 10. inject, 11. modern, 12. Constant, 13. creature, 14. contract, 15. untethered, 16. stimulated

17. Her hips _____ as she walks.

- v.* to move or cause to move up and down or from side to side in short and quick movements

18. It's intriguing to compare and _____ the two authors.

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

19. The _____ approach to healthcare considers the person's physical, mental, and emotional well-being.

- adj.* relating to or dealing with the whole of something rather than just its parts

20. The marathon runner felt a cramp in her _____ at the 20th mile.

- n.* the part of the human leg between the hip and the knee; in animals, the corresponding upper part of the hind leg

21. He is very popular at school because he can _____ all the teachers' accents.

- v.* to imitate someone's speech, movement, or behavior, especially to make others laugh

22. Thousands of people attended the protest _____ against the proposed policy.

- n.* a display or show, often of a particular skill or product, intended to convince or persuade others

23. 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

24. They had to _____ the boat out of the water for repairs.

- v.* to physically drag or pull someone or something with effort

ANSWERS: 17. wiggle, 18. contrast, 19. holistic, 20. thigh, 21. mimic, 22. demonstration, 23. lifted, 24. haul

25. He was alert and could not _____ any critical information out of him.
- v.* to cause water, air, gas, etc. to move from one place to another by using mechanical equipment; to get or supply something such as money, information, etc. in significant quantities
26. The company's plastic products are easily _____ thanks to a unique manufacturing process.
- v.* to decay naturally by microorganisms, such as bacteria and fungi
27. 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
28. The mobile application industry is _____ changing.
- adv.* all the time
29. The corporation _____ dominated the entire tobacco business.
- adv.* finally, particularly after a long time or a lot of struggle, complications, and so on
30. Their marriage was built on a foundation of love and trust, which resulted in a _____ relationship that spanned over fifty years.
- adj.* durable and enduring over time; continuing or permanent in effect
31. The vaccination does not necessarily make you completely _____.
- adj.* protected against a particular disease or toxin due to the presence of specific antibodies or sensitized white blood cells
32. They used a special receiver to _____ police radio channels.
- v.* to observe, check, and track the progress or quality of something over a period of time

ANSWERS: 25. pump, 26. biodegraded, 27. liquid, 28. constantly, 29. eventually, 30. lasting, 31. immune, 32. monitor

33. 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

34. We never prescribe medication as a _____ treatment.

- adj.* (of computer hardware or software) able to operate the system without being connected to other hardware or software; (also stand-alone) capable of working independently

35. The _____ is endangering the local plants and animals.

- n.* the introduction of harmful substances or waste into the natural environment that causes adverse change

36. After his mother died, he got _____.

- adj.* sad and without any hope

37. The construction outside was creating a _____ distraction from my work.

- adj.* making a lot of sounds, especially loud or disruptive sound

38. We have finally lost our last _____.

- n.* a piece of wood, metal, etc., placed beneath or against something to support it or keep it in position; a system, institution, or person that gives help or support to someone or something

39. The vast earthquake caused the house to _____.

- v.* to make or cause to make short, successive, sharp, and loud sounds

40. She took a _____ class at the gym to improve her cardiovascular fitness.

- n.* the act of rotating rapidly around an axis; in the context of textiles, the process of twisting fibers together to form thread or yarn

ANSWERS: 33. discovery, 34. standalone, 35. pollution, 36. depressed, 37. noisy, 38. prop, 39. rattle, 40. spinning

41. The _____ will repair my telephone tomorrow morning.
n. a person whose job is designing, building, or maintaining something such as machines, structures, or software
42. 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
43. That style is no longer in _____.
n. a style that is popular at a particular time or place; the state of being popular
44. 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
45. He had painted the wood to _____ stone.
v. to make a pretense of someone's behavior or looks; to reproduce something that exists in real life using computers, models, etc., usually for study or training purposes
46. The cleaning lady comes on _____ Wednesdays.
adj. occurring or existing one after the other regularly
47. The boat's _____ stopped working in the middle of the lake.
n. a device with rotating blades or vanes used for propulsion or creating lift, typically used on boats or aircraft
48. We can resolve support requests quickly and _____ by utilization of AI.
adv. in a way that produces maximum output with minimum effort or expense

ANSWERS: 41. engineer, 42. rubbed, 43. fashion, 44. movement, 45. simulate, 46. alternate, 47. propeller, 48. efficiently

49. An increase in employment helps _____ economic growth.

- v.* to move, drive or push something forward or in a particular direction, often with a lot of force

50. 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

51. He _____ the modus operandi of the famous phantom thief.

- v.* to copy the speech, behavior, appearance, etc. of someone or something

52. 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

53. She has a minor curved _____ due to desk work for many years.

- n.* the series of bones running down the center of the back that protect the spinal cord and support the body; the backbone or vertebral column

54. I want to _____ my sadness into strength.

- v.* to have a talk with someone; (adjective) reversed in order, relation, or action

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

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

56. It will take time for her mental scars to _____.

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

ANSWERS: 49. propel, 50. flexible, 51. imitated, 52. integrate, 53. spine, 54. convert, 55. electrodes, 56. heal

57. High thermal _____ is also essential for the exterior of the machine.
n. the quality of a material's ability to conduct electricity, heat, etc.
58. The essence of economics is to _____ the allocation of limited resources.
v. to make the best or most effective use of something
59. 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
60. His _____ behavior was causing trouble in the workplace.
adj. characterized by opposition or hostility towards someone or something, often used to describe a confrontational or aggressive attitude
61. The work of data entry can be _____ but it is important for maintaining accurate records.
adj. tiresome or boring because of being repetitive, dull, or too long; causing mental or physical fatigue due to its unrelenting nature
62. 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
63. We want to _____ ties between our two countries.
v. to make or become better
64. Eventually, the new design will _____ all older models.
v. to take the place of something

ANSWERS: 57. conductivity, 58. optimize, 59. rigid, 60. antagonistic, 61. tedious, 62. motors, 63. improve, 64. replace

65. _____ ecosystems perform many essential environmental functions.
adj. growing or living in, on or near, or connected with water
66. Tech companies often employ _____ ducts and other materials in their office interiors.
adj. having no protection or shield from something, such as bad weather, attack, or criticism
67. 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
68. The politician remained _____ despite intense media scrutiny.
adj. without any or little sound
69. The management must _____ strategies to increase office security.
v. to travel to or penetrate an area or a country to learn about it; to thoroughly examine a subject or a possibility to learn more about it
70. The aircraft's design was inspired by _____ principles, which allowed for improved aerodynamics and reduced fuel consumption.
n. the study of natural systems and structures to create new technologies or improve existing ones
71. She suffered from severe _____ after attending a loud concert without earplugs.
n. a ringing, buzzing, or other noise in the ears or head that is not caused by an external sound source; often associated with hearing loss or damage to the ear
72. Connecting batteries in series increase the _____ of the circuit.
n. the difference in the force of an electric current between two points

ANSWERS: 65. Aquatic, 66. exposed, 67. squeezed, 68. silent, 69. explore, 70. biomimetics, 71. tinnitus, 72. voltage

73. The detective discovered that the witness had _____ her story about the crime.
- v.* to make something, especially by assembling parts or constructing it from raw materials; to invent and present something false as true or real to deceive someone
74. They used fast-acting _____ on the flowers in the flower beds.
- n.* any substance that is essential for the maintenance and growth of living things
75. The firm has grown into a large _____ manufacturing.
- adj.* relating to or connected with chemistry;
76. The _____ of the economy has led to job losses.
- n.* the act or process of becoming smaller or shorter in size, volume, or amount
77. The museum houses a _____ collection of Celtic artifacts.
- adj.* extremely interesting
78. We should do our best not to _____ the environment.
- v.* to make an area or substance, such as land, air, water, etc., dirty or harmful to living things by adding waste matter or harmful chemicals
79. Low sexual _____ typically correlates with low testosterone levels.
- n.* a strong feeling of wanting to have or do something
80. Actuators convert _____ pulses into motion.
- adj.* relating to electricity
81. Babies heavily _____ on others for food.
- v.* to require a specific thing or the assistance and support of someone or something to continue, run properly, or succeed.

ANSWERS: 73. fabricated, 74. nutrients, 75. chemical, 76. contraction, 77. fascinating, 78. pollute, 79. desire, 80. electrical, 81. rely

82. The _____ learning system adjusts the difficulty level of the lessons based on the student's performance.
adj. capable of adjusting to new situations or changing conditions
83. 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
84. The heavy snow has been _____ since last morning.
adj. occurring or existing without a pause or interruption
85. The scientist used _____ to estimate the amount of rain that fell during the storm.
n. the insertion of something, such as a word or phrase, into a text or speech; the estimation of a value within an existing set of data by calculating values that are based on surrounding known values
86. The company specializes in both hardware and _____.
n. a set of computer programs and associated documentation and data for doing particular computational jobs
87. His father's death changed his whole _____ on life.
n. a confident attitude toward something; a particular style of thinking about something
88. We have to _____ our company's product lineup for further growth.
v. to consider again a plan, idea, etc., especially to change it
89. The ship's _____ was damaged in the storm, and the crew had to make emergency repairs.
n. the main body or frame of a ship, airplane, or other vehicles, or the outer covering or shell of a seed, fruit, or other objects

ANSWERS: 82. adaptive, 83. pouch, 84. continuous, 85. interpolation, 86. software, 87. perspective, 88. rethink, 89. hull

90. I'm so sorry to _____ you when you're pretty busy.

- v.* to prevent or stop something, especially an event, activity, or process, from continuing in the usual way by causing a problem or disturbance

91. 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

92. The countertop in my kitchen is made of durable _____ material.

- n.* a material made by bonding together two or more layers of different materials, often used in furniture or flooring

93. Please refrigerate the meat, or it will ____.

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

94. The eagle gracefully _____ on the thermals, soaring above the mountains.

- v.* to move smoothly and effortlessly

95. The government should do more to support environmentally _____ agriculture.

- adj.* able to continue or be continued for a long time

96. The _____ growth of the city has disrupted wildlife habitats.

- adj.* not in accordance with the normal or natural order or not normal, typical, or expected

ANSWERS: 90. disrupt, 91. deformed, 92. laminate, 93. rot, 94. glided, 95. sustainable, 96. unnatural