

# Englist.me



## Vocabulary Builder Reference from...

*Sheila Nirenberg: A prosthetic eye to treat blindness | TED Talk*

[https://www.ted.com/talks/sheila\\_nirenberg\\_a\\_prosthetic\\_eye\\_to\\_treat\\_blindness](https://www.ted.com/talks/sheila_nirenberg_a_prosthetic_eye_to_treat_blindness)

### All Words

#### IMPORTANT

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## Session 1: Word List

### 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**.

### process

*n.* a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products

*synonym*: procedure, method, system

(1) **process** improvement, (2) decision-making **process**

The **process** for applying for a visa can be lengthy and complicated.

### 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.

## clinician

*n.* a practitioner, especially of medicine or psychology, who has direct contact with patients

*synonym*: psychiatrist, therapist, doctor

(1) experienced **clinician**, (2) from a **clinician's** perspective  
Some **clinicians** believe that psychological characteristics alone may cause mental disorders.

## 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.

## 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.

## 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.

## foray

*n.* a sudden or brief attack or incursion; a venture into something unfamiliar or challenging

*synonym*: raid, attack, incursion

(1) make a quick **foray**, (2) **foray** into politics  
The company made a **foray** into the Chinese market.

## blind

*adj.* unable to see; unable or unwilling to perceive or understand the true nature of something

*synonym* : sightless, unseeing, random

(1) **blind** to the beauties, (2) **blind** spot

She was nearly **blind** due to severe diabetes.

## disease

*n.* a disorder or illness that affects the body or mind, often characterized by specific symptoms or abnormal functioning of organs or systems

*synonym* : illness, ailment, affliction

(1) **disease** prevention, (2) **disease** control

The doctor diagnosed him with a rare **disease** that had no known cure.

## retina

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

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

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

## macula

*n.* a small, oval-shaped area near the center of the retina of the eye, responsible for providing high-resolution vision

*synonym* : center of the retina, spot, eyespot

(1) **macula** lutea, (2) damage to the **macula**

There are several treatment options available for patients with **macula-related** disorders.

## degenerate

*v.* (of a person, animal, or plant) to become worse in health or physical condition

*synonym* : deteriorate, decline, decay

(1) **degenerate** into a disagreement, (2) **degenerate** into recession

The once-thriving city has **degenerated** into a crime-ridden slum.

## treatment

*n.* the way in which someone deals with or behaves towards someone or something; medical care provided to a patient for an injury or illness.

*synonym* : remedy, antidote, medicine

(1) first-aid **treatment**, (2) **treatment** by diet

The primary purpose of the **treatment** is pain relief.

## fraction

*n.* a small part or item forming a piece of a whole; the quotient of two rational numbers

*synonym* : piece, part, fragment

(1) a **fractional** share of the vote, (2) a numerator in a **fraction**

He spent only a **fraction** of his earnings.

## population

*n.* the total number of people in a country, region, or location

*synonym* : people, inhabitants, folk

(1) **population** change, (2) labor **population**

In just four years, the **population** has doubled.

## vast

*adj.* enormous in size, number, amount, or quantity

*synonym* : expansive, extended, boundless

(1) **vast** majority, (2) **vast** desert

A **vast** audience viewed the broadcast.

## patient

*n.* a person who is receiving medical treatment, care, or attention from a healthcare professional, such as a doctor, nurse, or therapist; a personal quality or characteristic

*synonym* : client, recipient, subject

(1) **patient** in the hospital, (2) **patient** with weight loss

The doctor carefully examined the **patient's** medical history.

## regain

*v.* to get something back or recover something after it has been lost or taken away

*synonym*: recover, reclaim, retrieve

(1) **regain** our reputation, (2) **regain** my health

After years of hard work, he finally **regained** his financial stability.

## sight

*n.* the ability to see; anything that is seen

*synonym*: vision, spectacle, view

(1) an unexpected **sight**, (2) dull **sight**

Many famous **sights** are within walking distance.

## vision

*n.* the ability to think about or see the future with imagination and intelligence; the faculty of being able to see

*synonym*: sight, image, concept

(1) a prodigious **vision**, (2) telescopic **vision**

Driving is difficult for me because of my poor **vision**.

## 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.

## norm

*n.* something that is regarded as usual, typical, or standard

*synonym*: criterion, mean, standard

(1) **norm** of action, (2) cultural **norm**

The systems we have developed has accepted as industry **norms**.

## front-end

*n.* the user interface or part of a software system that interacts directly with the user, typically through a graphical user interface (GUI); the hardware or physical components that are positioned at the front or outer layer of a system, device, or machine; (of finance) initial or upfront costs or fees

*synonym*: interface, GUI

(1) the **front-end** of the store, (2) **front-end** design  
The **front-end** of a website is the part that users interact with.

## photoreceptor

*n.* a specialized cell in the retina of the eye that responds to light and enables vision; there are two types of photoreceptor cells - rods and cones - that are responsible for different aspects of vision

*synonym* : rod, cone, light-sensitive cell

(1) **photoreceptor** cells, (2) damaged **photoreceptor**  
Cone **photoreceptors** are responsible for color vision.

## circuit

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

*synonym* : route, course, rotation

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

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

## operate

*v.* to work in a particular way; to supervise something

*synonym* : work, use, employ

(1) **operate** 24 hours a day, (2) manually **operate** a machine

This machine is too difficult to **operate** for me.

## extract

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

*synonym* : excerpt, quote, distillation

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

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

## pulse

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

*synonym* : beat, vibration, throb

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

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

## ultimate

*adj.* furthest or highest in degree or order

*synonym*: highest, maximum, foremost

(1) the **ultimate** goal in life, (2) the **ultimate** luxury

Management must take **ultimate** responsibility for the accident.

## literally

*adv.* in the real or original meaning of a word or phrase; in a literal sense or way; not figuratively

*synonym*: actually, truly, verily

(1) translate **literally**, (2) bite his tongue **literally**

He **literally** jumped out of his chair when he heard the news.

## dynamic

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

*synonym*: energetic, active, vital

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

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

## complicated

*adj.* involving a lot of different things or parts in a way that is difficult to understand or analyze

*synonym*: complex, convoluted, intricate

(1) a **complicated** process, (2) become increasingly **complicated**

He did **complicated** pen-and-ink drawings in just a few days.

## visual

*adj.* relating to seeing or sight

*synonym*: optical, graphical, visible

(1) **visual** navigation, (2) field of **visual** arts

The building makes a remarkable **visual** impact.

## 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.

## consist

v. to be composed or made up of

*synonym* : lie in, comprise, exist

(1) **consist** mainly of cells, (2) **consist** only in knowing facts  
This examination **consists** of five problems to solve.

## encode

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

*synonym* : transcribe, convert

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

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

## transducer

n. a device or instrument that converts one type of energy, such as sound, pressure, or temperature, into another type, typically an electrical signal

*synonym* : sensor, converter, detector

(1) medical **transducer**, (2) **transducer** calibration

The **transducer** in the sonar system converts electrical pulses into sound waves to detect underwater objects.

## 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.

## gutsy

adj. displaying courage, determination, or boldness; characterized by a willingness to take risks or face challenges

*synonym* : courageous, brave, daring

(1) **gutsy** move, (2) **gutsy** performance

It was **gutsy** to quit her job and start her own business.



## equation

*n.* the act of regarding as equal; (mathematics) a statement that expresses the equality of two expressions by connecting them with the equals sign

(1) the **equation** of poverty with ignorance, (2) a chemical **equation**

In this class, you will learn how to solve quadratic **equations**.

## implement

*v.* to put a decision, plan, or system into effect

*synonym*: execute, enforce, put through

(1) **implement** a corporate strategy, (2) **implement** security measures

The government promised to **implement** a new system to control the financial crisis.

## chip

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

*synonym*: flake, fragment, chunk

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

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

## mathematics

*n.* the science dealing with the logic of quantities, shapes, spaces, and arrangement

*synonym*: arithmetic, calculation, calculus

(1) a good grounding in **mathematics**, (2) **mathematics** competition

He has a flair for **mathematics**.

## 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.

## abstract

*adj.* based on general ideas, feelings, or qualities and not on any a physical or concrete existence

*synonym*: conceptual, theoretical, ideational

(1) an **abstract** noun, (2) **abstract** science

The invention of the camera triggered the development of **abstract** painting.

## stream

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

*synonym*: flow, current, brook

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

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

## implication

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

*synonym*: suggestion, association, conclusion

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

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

## fir

*n.* a type of tall evergreen tree that is native to the northern hemisphere, with needle-like leaves and cones that stand upright on the branches

*synonym*: pine, spruce, cedar

(1) **fir** branch, (2) **fir** forest

The smell of fresh **fir** trees filled the air at the Christmas tree farm.

## 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.

## detect

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

*synonym*: catch, observe, notice

(1) **detect** a bad event, (2) **detect** smuggling across borders  
The security camera has **detected** four intruders.

## bench

*n.* a long, flat surface, often elevated and supported by legs, used for sitting, working, or displaying objects; persons who administer justice

*synonym*: seat, terrace, judiciary

(1) **bench** conference, (2) **bench board**

I sat on the **bench** in the park and enjoyed the beautiful scenery.

## orient

*v.* to position or adjust someone or something for a particular purpose; (noun) the countries of Asia

*synonym*: position, align, adjust

(1) **orient** my thinking, (2) the exotic flavor of the **Orient**

She took a moment to **orient** herself in the unfamiliar city.

## slide

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

*synonym*: glide, drift, drop

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

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

## row

*n.* an arrangement of objects or people side by side in a line; (verb) to propel a boat through the water using oars

*synonym*: line, sequence, layer

(1) criminal on death **row**, (2) a **row** of cherry trees

He was the leader of the demonstrators and spoke out against the war in the front **row**.

## 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.

## 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.

## reconstruction

*n.* the process of rebuilding or repairing something that has been damaged or destroyed or of restoring something to its original condition

*synonym* : rebuilding, remodeling, renovation

(1) **reconstruction** aid, (2) **reconstruction** aid

The government announced a plan for the **reconstruction** of the city's infrastructure.

## reconstruct

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

*synonym* : rebuild, revamp, reorganize

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

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

## challenging

*adj.* difficult, demanding, or requiring a high degree of skill or effort; presenting a difficult problem or obstacle

*synonym* : difficult, demanding, arduous

(1) **challenging** task, (2) mentally **challenging**

The advanced math problem was **challenging**, but the student was determined to solve it.

## 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.

## contribution

*n.* the act of giving something, especially money, to a particular cause or organization; a voluntary gift as of money or service or ideas made to some worthwhile cause

*synonym* : donation, gift, offering

(1) make a positive **contribution**, (2) **contribution** to society

His **contribution** to the charity was a generous donation of money.

## wrap

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

*synonym* : surround, cover, bandage

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

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

## mention

v. to speak or write about something or someone briefly

*synonym* : reference, allude, cite

(1) **mention** name, (2) **mention** in a report

I **mentioned** to him that I had seen his sister at the grocery store earlier that day.

## communicate

v. to share or exchange information with others by speaking, writing, moving your body, or using other signals

*synonym* : convey, share, transmit

(1) **communicate** his anxieties to the psychiatrist,

(2) **communicate** well with my advisor

Dolphins use sound to **communicate** with each other.

## 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.

## emphasize

v. to give or show particular importance to something

*synonym* : highlight, accentuate, stress

(1) **emphasize** her words, (2) **emphasize** a direct

relationship

Use italics or capitals to **emphasize** a word in a piece of writing.

## generalize

*v.* to make something, such as a theory, idea, etc., more widespread or widely applicable based on what is true in some cases

*synonym*: conclude, derive, extrapolate

(1) **generalize** Kepler's first law, (2) **generalize** sophisticatedly

It's dangerous to **generalize** about people.

## strategy

*n.* a detailed plan of action designed to achieve a long-term or overall goal.

*synonym*: approach, procedure, scenario

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

Our plan includes a comprehensive marketing **strategy**.

## auditory

*adj.* of or relating to hearing or the ability to hear

*synonym*: hearing, audible, aural

(1) a good **auditory** memory, (2) **auditory** system

The **auditory** nerve carries sound signals from the ear to the brain.

## deaf

*adj.* lacking the ability to hear, or having impaired hearing; unresponsive or unaware of certain sounds or signals

*synonym*: hearing-impaired, unresponsive, insensitive

(1) **deaf** in one ear, (2) **deaf** child

The **deaf** student needed an interpreter to understand the lecture.

## disorder

*n.* an untidy state or a lack of organization; a physical condition or illness that causes problems with how a section of the body or brain functions

*synonym*: chaos, disturbance, disease

(1) the files are in complete **disorder**, (2) people with bipolar

### **disorder**

The doctor prescribed some medicine for the mental **disorder**.

### **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.

### **cochlea**

*n.* a spiral-shaped cavity in the inner ear that is responsible for hearing; it contains sensory hair cells that convert vibrations into electrical signals that are sent to the brain for interpretation

*synonym*: spiral organ, snail shell, inner ear

(1) **cochlea** spiral, (2) implanted **cochlea**

Damage to the **cochlea** can cause hearing loss or deafness.

### **nervous**

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

*synonym*: neural, anxious, uneasy

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

He suffers from **nervous** breakdowns.

### **cortex**

*n.* the outermost layer of an organ, especially the brain

(1) **cortex** cells, (2) visual **cortex** neuron

The cerebral **cortex** consists of six layers.

### **gap**

*n.* a conspicuous disparity or difference separates something such as a figure, people, their opinions, situation, etc.

*synonym*: opening, lacuna, spread

(1) the **gap** between ideal and reality, (2) distance **gap**

Many people are working together to close the gender **gap**.

### **stroke**

*n.* a medical condition in which poor blood flow to the brain causes cell death; the act of swinging or striking at a ball

with a club, racket, etc.

*synonym* : blow

(1) suffer **stroke**, (2) a **stroke** of the putter

This year's extreme heat has resulted in many heat **stroke** cases.

## **obvious**

*adj.* easy to see, discover or understand

*synonym* : apparent, conspicuous, evident

(1) **obvious** reasons, (2) his conclusion was **obvious**

There are **obvious** differences between the two wine-producing regions.



## Session 2: Spelling

- |  |   |
|--|---|
| 1. re___a scanner                          | <i>n.</i> the innermost light-sensitive membrane covering the back wall of the eyeball  |
| 2. labor pop_____on                        | <i>n.</i> the total number of people in a country, region, or location  |
| 3. the eq_____on of poverty with ignorance | <i>n.</i> the act of regarding as equal; (mathematics) a statement that expresses the equality of two expressions by connecting them with the equals sign |
| 4. cha_____ng task                         | <i>adj.</i> difficult, demanding, or requiring a high degree of skill or effort; presenting a difficult problem or obstacle                               |
| 5. sta_____art technology                  | <i>adj.</i> characterized by the use of the latest and most advanced technology or methods; cutting-edge  |
| 6. series of exp_____nts                   | <i>n.</i> the scientific test conducted to observe what happens and gain new knowledge  |
| 7. pop_____on change                       | <i>n.</i> the total number of people in a country, region, or location  |
| 8. the imp_____on in a crime               | <i>n.</i> something that is inferred or indirectly stated; the act or fact of being involved in something   |
| 9. a good au_____ry memory                 | <i>adj.</i> of or relating to hearing or the ability to hear  |
| 10. au_____ry system                       | <i>adj.</i> of or relating to hearing or the ability to hear  |

ANSWERS: 1. retina, 2. population, 3. equation, 4. challenging, 5. state-of-the-art, 6. experiment, 7. population, 8. implication, 9. auditory, 10. auditory

11. spare co\_\_\_\_\_nts for cars *n.* one of several parts that combines with others to form something bigger
12. en\_\_\_e data *v.* to convert information into a code or format suitable for storage or transmission
13. a fr\_\_\_\_\_onal share of the vote *n.* a small part or item forming a piece of a whole; the quotient of two rational numbers
14. co\_\_\_\_\_t mainly of cells *v.* to be composed or made up of
15. electronic de\_\_\_e *n.* a piece of equipment, tool, or technology that serves a particular purpose or function, often mechanical or electronic
16. implanted co\_\_\_\_\_a *n.* a spiral-shaped cavity in the inner ear that is responsible for hearing; it contains sensory hair cells that convert vibrations into electrical signals that are sent to the brain for interpretation
17. a good grounding in mat\_\_\_\_\_cs *n.* the science dealing with the logic of quantities, shapes, spaces, and arrangement
18. gu\_\_y move *adj.* displaying courage, determination, or boldness; characterized by a willingness to take risks or face challenges
19. a numerator in a fr\_\_\_\_\_on *n.* a small part or item forming a piece of a whole; the quotient of two rational numbers
20. re\_\_\_\_\_e one word with another *v.* to take the place of something

ANSWERS: 11. component, 12. encode, 13. fraction, 14. consist, 15. device, 16. cochlea, 17. mathematics, 18. gutsy, 19. fraction, 20. replace

21. medical tra\_\_\_\_\_er *n.* a device or instrument that converts one type of energy, such as sound, pressure, or temperature, into another type, typically an electrical signal
22. d\_m-building program *n.* a wall constructed over a river to block the flow of water, mainly used to generate energy
23. vi\_\_\_l navigation *adj.* relating to seeing or sight
24. em\_\_\_\_\_ze her words *v.* to give or show particular importance to something
25. en\_\_\_e information *v.* to convert information into a code or format suitable for storage or transmission
26. re\_\_\_al cells *n.* the innermost light-sensitive membrane covering the back wall of the eyeball
27. w\_\_p a fish in foil *v.* to cover or enclose something entirely with paper, cloth, or other material
28. de\_\_\_t smuggling across borders *v.* to find or recognize something, especially something difficult to see, hear, etc.
29. fo\_\_y into politics *n.* a sudden or brief attack or incursion; a venture into something unfamiliar or challenging
30. co\_\_\_x cells *n.* the outermost layer of an organ, especially the brain
31. gu\_\_y performance *adj.* displaying courage, determination, or boldness; characterized by a willingness to take risks or face challenges

ANSWERS: 21. transducer, 22. dam, 23. visual, 24. emphasize, 25. encode, 26. retina, 27. wrap, 28. detect, 29. foray, 30. cortex, 31. gutsy

32. a com\_\_\_\_\_ed process *adj.* involving a lot of different things or parts in a way that is difficult to understand or analyze
33. make a positive con\_\_\_\_\_ion *n.* the act of giving something, especially money, to a particular cause or organization; a voluntary gift as of money or service or ideas made to some worthwhile cause
34. his conclusion was ob\_\_\_\_\_s *adj.* easy to see, discover or understand
35. be\_\_h conference *n.* a long, flat surface, often elevated and supported by legs, used for sitting, working, or displaying objects; persons who administer justice
36. f\_r forest *n.* a type of tall evergreen tree that is native to the northern hemisphere, with needle-like leaves and cones that stand upright on the branches
37. an unexpected si\_\_t *n.* the ability to see; anything that is seen
38. d\_\_f in one ear *adj.* lacking the ability to hear, or having impaired hearing; unresponsive or unaware of certain sounds or signals
39. visual co\_\_\_\_x neuron *n.* the outermost layer of an organ, especially the brain
40. basic br\_\_n function *n.* the organ inside the head that is responsible for one's movement, thought, memory, and feeling
41. the st\_\_\_\_m of time *n.* a small, narrow river; a continuous flow of something, such as liquid, gas, people, vehicles, etc.

ANSWERS: 32. complicated, 33. contribution, 34. obvious, 35. bench, 36. fir, 37. sight, 38. deaf, 39. cortex, 40. brain, 41. stream

42. a mo\_\_r mechanic *n.* a device that converts electricity, fuel, etc. into movement and makes a machine, vehicle, etc. work
43. co\_\_\_\_\_st two things *v.* to put in opposition to show or emphasize differences
44. an endless st\_\_\_m of cars *n.* a small, narrow river; a continuous flow of something, such as liquid, gas, people, vehicles, etc.
45. rec\_\_\_\_\_ion aid *n.* the process of rebuilding or repairing something that has been damaged or destroyed or of restoring something to its original condition
46. de\_\_\_\_\_p a strategy *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
47. federal ci\_\_\_\_\_t courts *n.* (in electrical engineering) an electrical device that provides a path for electrical current to flow; a journey or route around a particular place or area
48. rec\_\_\_\_\_ct the original text *v.* to build or form something again that has been damaged or destroyed
49. DC mo\_\_r control *n.* a device that converts electricity, fuel, etc. into movement and makes a machine, vehicle, etc. work
50. suffer st\_\_\_e *n.* a medical condition in which poor blood flow to the brain causes cell death; the act of swinging or striking at a ball with a club, racket, etc.

ANSWERS: 42. motor, 43. contrast, 44. stream, 45. reconstruction, 46. develop, 47. circuit, 48. reconstruct, 49. motor, 50. stroke

51. military st\_\_\_\_gy *n.* a detailed plan of action designed to achieve a long-term or overall goal.
52. re\_\_\_\_n our reputation *v.* to get something back or recover something after it has been lost or taken away
53. an ele\_\_\_\_\_al storm *adj.* relating to electricity
54. ex\_\_\_\_\_ng football player *adj.* causing a lot of interest or excitement
55. distance g\_p *n.* a conspicuous disparity or difference separates something such as a figure, people, their opinions, situation, etc.
56. sl\_\_e a glance *v.* to move or cause to move smoothly along a surface without interruption
57. di\_\_\_\_\_e control *n.* a disorder or illness that affects the body or mind, often characterized by specific symptoms or abnormal functioning of organs or systems
58. develop a st\_\_\_\_gy *n.* a detailed plan of action designed to achieve a long-term or overall goal.
59. gen\_\_\_\_\_ze Kepler's first law *v.* to make something, such as a theory, idea, etc., more widespread or widely applicable based on what is true in some cases
60. decision-making pr\_\_\_\_s *n.* a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products

ANSWERS: 51. strategy, 52. regain, 53. electrical, 54. exciting, 55. gap, 56. slide, 57. disease, 58. strategy, 59. generalize, 60. process

61. be\_\_h board *n.* a long, flat surface, often elevated and supported by legs, used for sitting, working, or displaying objects; persons who administer justice
62. sl\_\_e a card across the table *v.* to move or cause to move smoothly along a surface without interruption
63. pa\_\_\_\_t with weight loss *n.* a person who is receiving medical treatment, care, or attention from a healthcare professional, such as a doctor, nurse, or therapist; a personal quality or characteristic
64. mi\_\_c a human voice *v.* to imitate someone's speech, movement, or behavior, especially to make others laugh
65. the imp\_\_\_\_\_on of a word *n.* something that is inferred or indirectly stated; the act or fact of being involved in something
66. me\_\_\_\_\_n name *v.* to speak or write about something or someone briefly
67. the ul\_\_\_\_\_te luxury *adj.* furthest or highest in degree or order
68. development of the ne\_\_\_\_\_s system *adj.* worried and anxious about something; relating to the nerves
69. bl\_\_d to the beauties *adj.* unable to see; unable or unwilling to perceive or understand the true nature of something
70. co\_\_\_\_\_t fat into energy *v.* to have a talk with someone; (adjective) reversed in order, relation, or action
71. st\_\_\_\_\_h a story *v.* to make or be capable of making anything longer or broader without hurting or breaking

ANSWERS: 61. bench, 62. slide, 63. patient, 64. mimic, 65. implication, 66. mention, 67. ultimate, 68. nervous, 69. blind, 70. convert, 71. stretch

72. v\_\_t majority *adj.* enormous in size, number, amount, or quantity
73. cultural n\_\_m *n.* something that is regarded as usual, typical, or standard
74. d\_m collapsing *n.* a wall constructed over a river to block the flow of water, mainly used to generate energy
75. re\_\_\_n my health *v.* to get something back or recover something after it has been lost or taken away
76. pro\_\_\_\_\_ic limbs *adj.* of or relating to an artificial part of the body, such as a limb, a heart, or a breast implant
77. experienced cl\_\_\_\_\_an *n.* a practitioner, especially of medicine or psychology, who has direct contact with patients
78. a chemical eq\_\_\_\_\_on *n.* the act of regarding as equal; (mathematics) a statement that expresses the equality of two expressions by connecting them with the equals sign
79. criminal on death r\_w *n.* an arrangement of objects or people side by side in a line; (verb) to propel a boat through the water using oars
80. bite his tongue li\_\_\_\_\_ly *adv.* in the real or original meaning of a word or phrase; in a literal sense or way; not figuratively
81. 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

ANSWERS: 72. vast, 73. norm, 74. dam, 75. regain, 76. prosthetic, 77. clinician, 78. equation, 79. row, 80. literally, 81. prosthetic



82. 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
83. make a quick fo\_\_y *n.* a sudden or brief attack or incursion; a venture into something unfamiliar or challenging
84. ob\_\_\_\_s reasons *adj.* easy to see, discover or understand
85. pa\_\_\_\_t in the hospital *n.* a person who is receiving medical treatment, care, or attention from a healthcare professional, such as a doctor, nurse, or therapist; a personal quality or characteristic
86. dy\_\_\_\_c person *adj.* having a lot of energy, ideas, and enthusiasm, and a strong personality; of or relating to dynamics (= the branch of physics and engineering concerned with the forces that cause motions of bodies)
87. co\_\_\_\_t base 10 to base 16 *v.* to have a talk with someone; (adjective) reversed in order, relation, or action
88. a r\_w of cherry trees *n.* an arrangement of objects or people side by side in a line; (verb) to propel a boat through the water using oars
89. co\_\_\_\_t only in knowing facts *v.* to be composed or made up of
90. tra\_\_\_\_er calibration *n.* a device or instrument that converts one type of energy, such as sound, pressure, or temperature, into another type, typically an electrical signal

ANSWERS: 82. develop, 83. foray, 84. obvious, 85. patient, 86. dynamic, 87. convert, 88. row, 89. consist, 90. transducer

91. me\_\_\_\_\_n in a report *v.* to speak or write about something or someone briefly
92. key co\_\_\_\_\_nt *n.* one of several parts that combines with others to form something bigger
93. a c\_\_p of wood *n.* a small fragment of something broken off from the whole; a long and thin piece of potato fried in oil or fat
94. im\_\_\_\_\_nt a corporate strategy *v.* to put a decision, plan, or system into effect
95. im\_\_\_\_\_nt security measures *v.* to put a decision, plan, or system into effect
96. the files are in complete di\_\_\_\_\_er *n.* an untidy state or a lack of organization; a physical condition or illness that causes problems with how a section of the body or brain functions
97. n\_\_m of action *n.* something that is regarded as usual, typical, or standard
98. co\_\_\_\_\_a spiral *n.* a spiral-shaped cavity in the inner ear that is responsible for hearing; it contains sensory hair cells that convert vibrations into electrical signals that are sent to the brain for interpretation
99. di\_\_\_\_\_e prevention *n.* a disorder or illness that affects the body or mind, often characterized by specific symptoms or abnormal functioning of organs or systems
100. st\_\_\_\_\_h along the coast *v.* to make or be capable of making anything longer or broader without hurting or breaking

ANSWERS: 91. mention, 92. component, 93. chip, 94. implement, 95. implement, 96. disorder, 97. norm, 98. cochlea, 99. disease, 100. stretch

101. tracking de\_\_\_e                    *n.* a piece of equipment, tool, or technology that serves a particular purpose or function, often mechanical or electronic
102. ci\_\_\_\_t breaker                *n.* (in electrical engineering) an electrical device that provides a path for electrical current to flow; a journey or route around a particular place or area
103. f\_r branch                        *n.* a type of tall evergreen tree that is native to the northern hemisphere, with needle-like leaves and cones that stand upright on the branches
104. a weak pu\_\_e                    *n.* the regular heartbeat as it sends blood around the body, especially when it is felt at the wrist or side of the neck; a solid regular vibration of sound, electric current, light, or other waves
105. or\_\_\_t my thinking            *v.* to position or adjust someone or something for a particular purpose; (noun) the countries of Asia
106. ma\_\_\_a lutea                    *n.* a small, oval-shaped area near the center of the retina of the eye, responsible for providing high-resolution vision
107. degree in ele\_\_\_\_\_al engineering    *adj.* relating to electricity
108. become increasingly com\_\_\_\_\_ed    *adj.* involving a lot of different things or parts in a way that is difficult to understand or analyze
109. dull si\_\_t                         *n.* the ability to see; anything that is seen

ANSWERS: 101. device, 102. circuit, 103. fir, 104. pulse, 105. orient, 106. macula, 107. electrical, 108. complicated, 109. sight

110. ex\_\_\_\_ng news *adj.* causing a lot of interest or excitement
111. pu\_\_e waves *n.* the regular heartbeat as it sends blood around the body, especially when it is felt at the wrist or side of the neck; a solid regular vibration of sound, electric current, light, or other waves
112. a prodigious vi\_\_\_\_n *n.* the ability to think about or see the future with imagination and intelligence; the faculty of being able to see
113. damaged pho\_\_\_\_tor *n.* a specialized cell in the retina of the eye that responds to light and enables vision; there are two types of photoreceptor cells - rods and cones - that are responsible for different aspects of vision
114. an ab\_\_\_\_ct noun *adj.* based on general ideas, feelings, or qualities and not on any a physical or concrete existence
115. gen\_\_\_\_ze sophisticatedly *v.* to make something, such as a theory, idea, etc., more widespread or widely applicable based on what is true in some cases
116. people with bipolar di\_\_\_\_er *n.* an untidy state or a lack of organization; a physical condition or illness that causes problems with how a section of the body or brain functions
117. mi\_\_c numerous instruments *v.* to imitate someone's speech, movement, or behavior, especially to make others laugh

ANSWERS: 110. exciting, 111. pulse, 112. vision, 113. photoreceptor, 114. abstract, 115. generalize, 116. disorder, 117. mimic

118. com\_\_\_\_\_te well with my advisor      *v.* to share or exchange information with others by speaking, writing, moving your body, or using other signals
119. from a cl\_\_\_\_\_an's perspective      *n.* a practitioner, especially of medicine or psychology, who has direct contact with patients
120. em\_\_\_\_\_ze a direct relationship      *v.* to give or show particular importance to something
121. w\_\_p up a meeting      *v.* to cover or enclose something entirely with paper, cloth, or other material
122. the ul\_\_\_\_\_te goal in life      *adj.* furthest or highest in degree or order
123. translate li\_\_\_\_\_ly      *adv.* in the real or original meaning of a word or phrase; in a literal sense or way; not figuratively
124. field of vi\_\_\_\_l arts      *adj.* relating to seeing or sight
125. pr\_\_\_\_\_s improvement      *n.* a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products
126. tr\_\_\_\_\_nt by diet      *n.* the way in which someone deals with or behaves towards someone or something; medical care provided to a patient for an injury or illness.
127. com\_\_\_\_\_te his anxieties to the psychiatrist      *v.* to share or exchange information with others by speaking, writing, moving your body, or using other signals

ANSWERS: 118. communicate, 119. clinician, 120. emphasize, 121. wrap, 122. ultimate, 123. literally, 124. visual, 125. process, 126. treatment, 127. communicate

128. d\_\_f child *adj.* lacking the ability to hear, or having impaired hearing; unresponsive or unaware of certain sounds or signals
129. manually op\_\_\_\_\_e a machine *v.* to work in a particular way; to supervise something
130. rec\_\_\_\_\_ct an image *v.* to build or form something again that has been damaged or destroyed
131. telescopic vi\_\_\_n *n.* the ability to think about or see the future with imagination and intelligence; the faculty of being able to see
132. v\_\_t desert *adj.* enormous in size, number, amount, or quantity
133. fr\_\_\_\_\_nd design *n.* the user interface or part of a software system that interacts directly with the user, typically through a graphical user interface (GUI); the hardware or physical components that are positioned at the front or outer layer of a system, device, or machine; (of finance) initial or upfront costs or fees
134. de\_\_\_t a bad event *v.* to find or recognize something, especially something difficult to see, hear, etc.
135. a st\_\_\_e of the putter *n.* a medical condition in which poor blood flow to the brain causes cell death; the act of swinging or striking at a ball with a club, racket, etc.
136. the exotic flavor of the Or\_\_\_t *v.* to position or adjust someone or something for a particular purpose; (noun) the countries of Asia

ANSWERS: 128. deaf, 129. operate, 130. reconstruct, 131. vision, 132. vast, 133. front-end, 134. detect, 135. stroke, 136. orient

137. mentally cha\_\_\_\_\_ng *adj.* difficult, demanding, or requiring a high degree of skill or effort; presenting a difficult problem or obstacle
138. botanical ex\_\_\_\_\_t *n.* a short passage taken from a book, piece of music, etc.; a substance obtained from something through a specific process; (verb) to obtain from something or to remove something by effort or force
139. bl\_\_d spot *adj.* unable to see; unable or unwilling to perceive or understand the true nature of something
140. mat\_\_\_\_\_cs competition *n.* the science dealing with the logic of quantities, shapes, spaces, and arrangement
141. a brief ex\_\_\_\_\_t from the book *n.* a short passage taken from a book, piece of music, etc.; a substance obtained from something through a specific process; (verb) to obtain from something or to remove something by effort or force
142. op\_\_\_\_\_e 24 hours a day *v.* to work in a particular way; to supervise something
143. permanent br\_\_n damage *n.* the organ inside the head that is responsible for one's movement, thought, memory, and feeling
144. get ne\_\_\_\_\_s *adj.* worried and anxious about something; relating to the nerves
145. deg\_\_\_\_\_te into a disagreement *v.* (of a person, animal, or plant) to become worse in health or physical condition

ANSWERS: 137. challenging, 138. extract, 139. blind, 140. mathematics, 141. extract, 142. operate, 143. brain, 144. nervous, 145. degenerate

146. a dy\_\_\_\_\_c market *adj.* having a lot of energy, ideas, and enthusiasm, and a strong personality; of or relating to dynamics (= the branch of physics and engineering concerned with the forces that cause motions of bodies)
147. pho\_\_\_\_\_tor cells *n.* a specialized cell in the retina of the eye that responds to light and enables vision; there are two types of photoreceptor cells - rods and cones - that are responsible for different aspects of vision
148. sta\_\_\_\_\_art software *adj.* characterized by the use of the latest and most advanced technology or methods; cutting-edge
149. deg\_\_\_\_\_te into recession *v.* (of a person, animal, or plant) to become worse in health or physical condition
150. first-aid tr\_\_\_\_\_nt *n.* the way in which someone deals with or behaves towards someone or something; medical care provided to a patient for an injury or illness.
151. re\_\_\_\_\_e a phone *v.* to take the place of something
152. co\_\_\_\_\_st with a decade ago *v.* to put in opposition to show or emphasize differences
153. damage to the ma\_\_\_\_a *n.* a small, oval-shaped area near the center of the retina of the eye, responsible for providing high-resolution vision
154. I don't care a c\_\_p *n.* a small fragment of something broken off from the whole; a long and thin piece of potato fried in oil or fat

ANSWERS: 146. dynamic, 147. photoreceptor, 148. state-of-the-art, 149. degenerate, 150. treatment, 151. replace, 152. contrast, 153. macula, 154. chip



155. con\_\_\_\_\_ion to society      *n.* the act of giving something, especially money, to a particular cause or organization; a voluntary gift as of money or service or ideas made to some worthwhile cause
156. the fr\_\_\_\_\_nd of the store      *n.* the user interface or part of a software system that interacts directly with the user, typically through a graphical user interface (GUI); the hardware or physical components that are positioned at the front or outer layer of a system, device, or machine; (of finance) initial or upfront costs or fees
157. the g\_p between ideal and reality      *n.* a conspicuous disparity or difference separates something such as a figure, people, their opinions, situation, etc.
158. exp\_\_\_\_\_nt design      *n.* the scientific test conducted to observe what happens and gain new knowledge
159. ab\_\_\_\_\_ct science      *adj.* based on general ideas, feelings, or qualities and not on any a physical or concrete existence

ANSWERS: 155. contribution, 156. front-end, 157. gap, 158. experiment, 159. abstract

## Session 3: Fill in the Blanks

1. I want to \_\_\_\_\_ my sadness into strength.  
*v.* to have a talk with someone; (adjective) reversed in order, relation, or action
2. Use italics or capitals to \_\_\_\_\_ a word in a piece of writing.  
*v.* to give or show particular importance to something
3. Eventually, the new design will \_\_\_\_\_ all older models.  
*v.* to take the place of something
4. We can use this campaign as a bargaining \_\_\_\_\_ in the negotiations.  
*n.* a small fragment of something broken off from the whole; a long and thin piece of potato fried in oil or fat
5. An intelligent battery has a voltage monitoring \_\_\_\_\_.  
*n.* (in electrical engineering) an electrical device that provides a path for electrical current to flow; a journey or route around a particular place or area
6. He spent only a \_\_\_\_\_ of his earnings.  
*n.* a small part or item forming a piece of a whole; the quotient of two rational numbers
7. The sprinter has a \_\_\_\_\_ way of running.  
*adj.* having a lot of energy, ideas, and enthusiasm, and a strong personality; of or relating to dynamics (= the branch of physics and engineering concerned with the forces that cause motions of bodies)
8. 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

ANSWERS: 1. convert, 2. emphasize, 3. replace, 4. chip, 5. circuit, 6. fraction, 7. dynamic, 8. stretch

9. I sat on the \_\_\_\_\_ in the park and enjoyed the beautiful scenery.  
*n.* a long, flat surface, often elevated and supported by legs, used for sitting, working, or displaying objects; persons who administer justice
10. The doctor carefully examined the \_\_\_\_\_ medical history.  
*n.* a person who is receiving medical treatment, care, or attention from a healthcare professional, such as a doctor, nurse, or therapist; a personal quality or characteristic
11. He \_\_\_\_\_ jumped out of his chair when he heard the news.  
*adv.* in the real or original meaning of a word or phrase; in a literal sense or way; not figuratively
12. Cone \_\_\_\_\_ are responsible for color vision.  
*n.* a specialized cell in the retina of the eye that responds to light and enables vision; there are two types of photoreceptor cells - rods and cones - that are responsible for different aspects of vision
13. The company made a \_\_\_\_\_ into the Chinese market.  
*n.* a sudden or brief attack or incursion; a venture into something unfamiliar or challenging
14. Many famous \_\_\_\_\_ are within walking distance.  
*n.* the ability to see; anything that is seen
15. His poem has a very significant \_\_\_\_\_.  
*n.* something that is inferred or indirectly stated; the act or fact of being involved in something
16. There are several treatment options available for patients with \_\_\_\_\_ disorders.  
*n.* a small, oval-shaped area near the center of the retina of the eye, responsible for providing high-resolution vision

ANSWERS: 9. bench, 10. patient's, 11. literally, 12. photoreceptors, 13. foray, 14. sights, 15. implication, 16. macula-related

17. In this class, you will learn how to solve quadratic \_\_\_\_\_.
- n.* the act of regarding as equal; (mathematics) a statement that expresses the equality of two expressions by connecting them with the equals sign
18. Dolphins use sound to \_\_\_\_\_ with each other.
- v.* to share or exchange information with others by speaking, writing, moving your body, or using other signals
19. Management must take \_\_\_\_\_ responsibility for the accident.
- adj.* furthest or highest in degree or order
20. She was nearly \_\_\_\_\_ due to severe diabetes.
- adj.* unable to see; unable or unwilling to perceive or understand the true nature of something
21. The advanced math problem was \_\_\_\_\_ but the student was determined to solve it.
- adj.* difficult, demanding, or requiring a high degree of skill or effort; presenting a difficult problem or obstacle
22. It's intriguing to compare and \_\_\_\_\_ the two authors.
- v.* to put in opposition to show or emphasize differences
23. The \_\_\_\_\_ of a website is the part that users interact with.
- n.* the user interface or part of a software system that interacts directly with the user, typically through a graphical user interface (GUI); the hardware or physical components that are positioned at the front or outer layer of a system, device, or machine; (of finance) initial or upfront costs or fees
24. \_\_\_\_\_ the bandage tightly around the injured arm.
- v.* to cover or enclose something entirely with paper, cloth, or other material

ANSWERS: 17. equations, 18. communicate, 19. ultimate, 20. blind, 21. challenging, 22. contrast, 23. front-end, 24. Wrap

25. 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

26. The \_\_\_\_\_ nerve carries sound signals from the ear to the brain.

- adj.* of or relating to hearing or the ability to hear

27. This machine is too difficult to \_\_\_\_\_ for me.

- v.* to work in a particular way; to supervise something

28. Damage to the \_\_\_\_\_ can cause hearing loss or deafness.

- n.* a spiral-shaped cavity in the inner ear that is responsible for hearing; it contains sensory hair cells that convert vibrations into electrical signals that are sent to the brain for interpretation

29. His \_\_\_\_\_ to the charity was a generous donation of money.

- n.* the act of giving something, especially money, to a particular cause or organization; a voluntary gift as of money or service or ideas made to some worthwhile cause

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

- adj.* relating to electricity

31. Driving is difficult for me because of my poor \_\_\_\_\_.

- n.* the ability to think about or see the future with imagination and intelligence; the faculty of being able to see

32. The systems we have developed has accepted as industry \_\_\_\_\_.

- n.* something that is regarded as usual, typical, or standard

ANSWERS: 25. brain, 26. auditory, 27. operate, 28. cochlea, 29. contribution, 30. electrical, 31. vision, 32. norms

33. The software can \_\_\_\_\_ and decode encrypted messages.  
*v.* to convert information into a code or format suitable for storage or transmission
34. The government announced a plan for the \_\_\_\_\_ of the city's infrastructure.  
*n.* the process of rebuilding or repairing something that has been damaged or destroyed or of restoring something to its original condition
35. The \_\_\_\_\_ student needed an interpreter to understand the lecture.  
*adj.* lacking the ability to hear, or having impaired hearing; unresponsive or unaware of certain sounds or signals
36. They've decided to \_\_\_\_\_ a ruined castle.  
*v.* to build or form something again that has been damaged or destroyed
37. The doctor prescribed some medicine for the mental \_\_\_\_\_.  
*n.* an untidy state or a lack of organization; a physical condition or illness that causes problems with how a section of the body or brain functions
38. The \_\_\_\_\_ for applying for a visa can be lengthy and complicated.  
*n.* a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products
39. It's dangerous to \_\_\_\_\_ about people.  
*v.* to make something, such as a theory, idea, etc., more widespread or widely applicable based on what is true in some cases
40. 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

ANSWERS: 33. encode, 34. reconstruction, 35. deaf, 36. reconstruct, 37. disorder, 38. process, 39. generalize, 40. prosthetic

41. She took a moment to \_\_\_\_\_ herself in the unfamiliar city.
- v.* to position or adjust someone or something for a particular purpose; (noun) the countries of Asia
42. 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
43. The security camera has \_\_\_\_\_ four intruders.
- v.* to find or recognize something, especially something difficult to see, hear, etc.
44. The primary purpose of the \_\_\_\_\_ is pain relief.
- n.* the way in which someone deals with or behaves towards someone or something; medical care provided to a patient for an injury or illness.
45. Many people are working together to close the gender \_\_\_\_.
- n.* a conspicuous disparity or difference separates something such as a figure, people, their opinions, situation, etc.
46. The government promised to \_\_\_\_\_ a new system to control the financial crisis.
- v.* to put a decision, plan, or system into effect
47. 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
48. It was \_\_\_\_\_ to quit her job and start her own business.
- adj.* displaying courage, determination, or boldness; characterized by a willingness to take risks or face challenges

ANSWERS: 41. orient, 42. state-of-the-art, 43. detected, 44. treatment, 45. gap, 46. implement, 47. dam, 48. gutsy

49. The cerebral \_\_\_\_\_ consists of six layers.  
*n.* the outermost layer of an organ, especially the brain
50. After years of hard work, he finally \_\_\_\_\_ his financial stability.  
*v.* to get something back or recover something after it has been lost or taken away
51. 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
52. There are \_\_\_\_\_ differences between the two wine-producing regions.  
*adj.* easy to see, discover or understand
53. Our plan includes a comprehensive marketing \_\_\_\_\_.  
*n.* a detailed plan of action designed to achieve a long-term or overall goal.
54. Anesthetize the gum before \_\_\_\_\_ the teeth.  
*n.* a short passage taken from a book, piece of music, etc.; a substance obtained from something through a specific process; (verb) to obtain from something or to remove something by effort or force
55. I \_\_\_\_\_ to him that I had seen his sister at the grocery store earlier that day.  
*v.* to speak or write about something or someone briefly
56. The \_\_\_\_\_ in the sonar system converts electrical pulses into sound waves to detect underwater objects.  
*n.* a device or instrument that converts one type of energy, such as sound, pressure, or temperature, into another type, typically an electrical signal

ANSWERS: 49. cortex, 50. regained, 51. motors, 52. obvious, 53. strategy, 54. extracting, 55. mentioned, 56. transducer



57. The smell of fresh \_\_\_\_ trees filled the air at the Christmas tree farm.
- n.* a type of tall evergreen tree that is native to the northern hemisphere, with needle-like leaves and cones that stand upright on the branches
58. Some \_\_\_\_\_ believe that psychological characteristics alone may cause mental disorders.
- n.* a practitioner, especially of medicine or psychology, who has direct contact with patients
59. He did \_\_\_\_\_ pen-and-ink drawings in just a few days.
- adj.* involving a lot of different things or parts in a way that is difficult to understand or analyze
60. In just four years, the \_\_\_\_\_ has doubled.
- n.* the total number of people in a country, region, or location
61. The findings of the experiment were both \_\_\_\_\_ and unexpected.
- adj.* causing a lot of interest or excitement
62. Jet \_\_\_\_\_ are the common name for air currents that form high in the atmosphere.
- n.* a small, narrow river; a continuous flow of something, such as liquid, gas, people, vehicles, etc.
63. Damage to the \_\_\_\_\_ may play a role in the development of glaucoma.
- n.* the innermost light-sensitive membrane covering the back wall of the eyeball
64. The once-thriving city has \_\_\_\_\_ into a crime-ridden slum.
- v.* (of a person, animal, or plant) to become worse in health or physical condition

ANSWERS: 57. fir, 58. clinicians, 59. complicated, 60. population, 61. exciting, 62. streams, 63. retina, 64. degenerated

65. 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

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

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

67. He suffers from \_\_\_\_\_ breakdowns.

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

68. A \_\_\_\_\_ audience viewed the broadcast.

- adj.* enormous in size, number, amount, or quantity

69. The building makes a remarkable \_\_\_\_\_ impact.

- adj.* relating to seeing or sight

70. If necessary, you can \_\_\_\_\_ the front seats forward.

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

71. He was the leader of the demonstrators and spoke out against the war in the front \_\_\_\_\_.

- n.* an arrangement of objects or people side by side in a line; (verb) to propel a boat through the water using oars

72. 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

ANSWERS: 65. develop, 66. experiments, 67. nervous, 68. vast, 69. visual, 70. slide, 71. row, 72. mimic

73. 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
74. He has a flair for \_\_\_\_\_.
- n.* the science dealing with the logic of quantities, shapes, spaces, and arrangement
75. The invention of the camera triggered the development of \_\_\_\_\_ painting.
- adj.* based on general ideas, feelings, or qualities and not on any a physical or concrete existence
76. This year's extreme heat has resulted in many heat \_\_\_\_\_ cases.
- n.* a medical condition in which poor blood flow to the brain causes cell death; the act of swinging or striking at a ball with a club, racket, etc.
77. The doctor diagnosed him with a rare \_\_\_\_\_ that had no known cure.
- n.* a disorder or illness that affects the body or mind, often characterized by specific symptoms or abnormal functioning of organs or systems
78. This examination \_\_\_\_\_ of five problems to solve.
- v.* to be composed or made up of
79. 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
80. The cardiac monitor displays the intensity of your \_\_\_\_\_.
- n.* the regular heartbeat as it sends blood around the body, especially when it is felt at the wrist or side of the neck; a solid regular vibration of sound, electric current, light, or other waves

ANSWERS: 73. device, 74. mathematics, 75. abstract, 76. stroke, 77. disease, 78. consists, 79. component, 80. pulse

ANSWERS: