

# Englist.me



## Vocabulary Builder Reference from...

*Julian Burschka: Could a breathalyzer detect cancer?*

*| TED Talk*

*[https://www.ted.com/talks/julian\\_burschka\\_could\\_a\\_breathalyzer\\_detect\\_cancer](https://www.ted.com/talks/julian_burschka_could_a_breathalyzer_detect_cancer)*

### All Words

#### IMPORTANT

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## Session 1: Word List

### breathalyzer

*n.* a device that measures the level of alcohol in a person's breath, typically used by law enforcement to determine if someone is driving under the influence of alcohol

*synonym* : breath test, intoxilyzer, alcohol test

(1) **breathalyzer** result, (2) **breathalyzer** device

The police officer administered a **breathalyzer** test to the driver suspected of drunk driving.

### alcohol

*n.* a clear liquid that can make people drunk and is used in medicines, cleaning products, etc.

*synonym* : booze, liquor, ethanol

(1) stop drinking **alcohol**, (2) diluted **alcohol**

There is a clear association between **alcohol** consumption and cognitive decline.

### breath

*n.* the air that is taken into and expelled from your lungs; the process of taking into and expelling air from your lungs

*synonym* : air, puff, whiff

(1) hold your **breath**, (2) **breath** of wind

He bated his **breath** when talking about this affair.

## exhale

*v.* to breathe out air or vapor from the lungs or mouth; to release or emit something slowly or gently

*synonym* : breathe out, expel, emit

(1) **exhale** a big sigh, (2) **exhale** cigarette smoke

He took a deep breath and slowly began to **exhale**.

## trace

*v.* to find or discover someone or something that was lost

*synonym* : seek, follow, depict

(1) **trace** a telephone call, (2) **trace** back to medieval times

Let's **trace** the origins of some familiar foreign words.

## volatile

*adj.* likely to change rapidly or unexpectedly, or being unstable or explosive

*synonym* : unstable, unpredictable, explosive

(1) highly- **volatile** elements, (2) **volatile** markets

Their relationship was **volatile** and prone to sudden outbursts of anger.

## organic

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

*synonym* : biological

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

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

## compound

*n.* an item composed of two or more distinct elements combined; a chemical formed by the combination of two or more elements

*synonym* : combination, mixture, blend

(1) aquatic **compound**, (2) harmful **compound**

Common salt is a sodium and chlorine **compound**.

## molecule

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

*synonym* : particle, element, atom

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

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

## lightweight

*adj.* composed of thinner and lighter material than average; not severe or impressive

(1) **lightweight** aircraft, (2) **lightweight** structure

Powder coating protects the **lightweight** aluminum alloy components.

## ethanol

*n.* a colorless, flammable alcohol that is produced by the fermentation of sugars and is commonly used as a fuel, solvent, and in the manufacture of alcoholic beverages

*synonym*: alcohol, ethyl alcohol, grain alcohol

(1) **ethanol** plant, (2) **ethanol** production

The production of **ethanol** can have environmental benefits if produced from renewable sources.

## consume

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

*synonym*: absorb, ingest, use up

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

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

## bloodstream

*n.* the blood flowing through the body

(1) **bloodstream** in an artery, (2) **bloodstream** to the brain

Cancer cells are often carried throughout the body by the **bloodstream**.

## sac

*n.* a bag or pouch, typically made of fabric or leather, used to hold something valuable or important; a structure resembling a bag in an animal or plant

*synonym*: bag, pouch, knapsack

(1) **sac** contents, (2) abdominal **sac**

I placed my valuables in the **sac** before heading out on my hike.

## lung

*n.* either of the two organs in the chest that people and some animals use for breathing

(1) **lung** capacity, (2) do **lung** transplantation

He has terminal **lung** cancer.

## concentration

*n.* the ability to focus all your time and energy on one thing without thinking about anything else.

*synonym*: attention, engagement, assiduity

(1) **concentration** of armaments, (2) his research area of **concentration**

This exam requires excellent **concentration** to pass.

## reaction

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

*synonym*: response, reply, answer

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

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

## chamber

*n.* a large room used for a formal, public, or particular purpose; one of the parts of a parliament

*synonym*: association, cabin, legislature

(1) a gas **chamber**, (2) the lower **chamber**

The surgeon made an incision in the **chambers** of the patient's heart.

## 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.

## acetic

*adj.* relating to vinegar or containing acetic acid (= a colorless, pungent-smelling liquid organic compound with the chemical formula  $\text{CH}_3\text{COOH}$ ); having a sour or sharp taste or smell resembling vinegar

*synonym*: sour, acidic, tart

(1) **acetic** fermentation, (2) **acetic** smell

Adding **acetic** acid to a solution can lower its pH.

## acid

*n.* sour; water-soluble chemicals with a sour flavor; any of a variety of generally liquid compounds capable of reacting with and occasionally dissolving other materials

*synonym* : sour

(1) an **acid** reaction, (2) good source of essential amino **acids**

During pregnancy, the stomach generates less **acid** than usual.

## react

*v.* to take action in response to something

*synonym* : respond, reply, oppose

(1) **react** at a high temperature, (2) **react** against his way of thinking

How did he **react** to your idea?

## strength

*n.* the quality or state of being physically, or sometimes mentally, strong

*synonym* : resilience, power, muscles

(1) **strength** of the economy, (2) muscular **strength**

Health and **strength** are, above all, gold.

## indicate

*v.* to show, point out, or make known something, often through a sign or a symbol; to suggest or imply something without stating it directly

*synonym* : hint, suggest, show

(1) **indicate** a preference, (2) **indicate** an error

The data **indicates** that the company's profits have steadily increased over the past quarter.

## extension

*n.* a thing that is added to something to make it longer, larger, or wider; an educational opportunity provided by colleges and universities to people who are not enrolled as regular students; an additional telephone set that is connected to the same telephone line

*synonym* : addition, augment, supplement

(1) time **extension**, (2) telephone **extension**

They are building an **extension** to the house to add more

bedrooms.

## addition

*n.* the act or process of adding something to something else; the process of adding numbers

*synonym*: accumulation, expansion, addendum

(1) chemical **addition**, (2) **addition** of vectors

In **addition**, private corporations provide healthcare services.

## biochemical

*adj.* relating to the chemical processes and substances that occur within living organisms

*synonym*: molecular, biological

(1) **biochemical** reaction, (2) complex **biochemical**

**Biochemical** research is essential to understanding the complex chemical reactions in living organisms.

## 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.

## 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.

## 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.

## 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.

## analyze

*v.* to think about in-depth and evaluate to discover essential features or meaning

*synonym*: explore, examine, investigate

(1) **analyze** a chemical compound, (2) **analyze** your real motives

The teacher attempted to **analyze** the root cause of our mistake.

## invasive

*adj.* spreading very quickly, and often aggressively, and difficult to stop

*synonym*: aggressive, rampant, spreading

(1) **invasive** breast cancer, (2) **invasive** species

The **invasive** disease can spread quickly and potentially cause a global pandemic.

## diagnose

*v.* to determine or distinguish the nature of a problem or an illness through a careful analysis

*synonym*: identify, analyze, interpret

(1) **diagnose** the problem, (2) **diagnose** with CT scans

This device is used to **diagnose** brain cancer and other tumors.

## biopsy

*n.* the process of removing and examining tissue from the body of the sick person to determine the existence or cause of a disease

*synonym*: examination, autopsy

(1) **biopsy** of bone marrow, (2) liquid **biopsy**

The doctor performed an excisional breast **biopsy**.

## radiation

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

*synonym* : dissemination, emission, irradiation

(1) exposure to **radiation**, (2) electromagnetic **radiation**

He tried every possible treatment, including chemotherapy and **radiation** therapy.

## 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.

## identify

*v.* to recognize someone or something and say or prove who or what they are

*synonym* : determine, specify, recognize

(1) **identify** handwriting, (2) **identify** gene sequences

I will introduce you to how to **identify** the leading causes of the malfunction.

## vary

*v.* to become different in terms of size, shape, etc.

*synonym* : alter, contrast, differ

(1) **vary** according to the age, (2) **vary** directly with the price

Maximum heart rates **vary** a lot for each individual.

## cancer

*n.* abnormal growth of cells that can invade and destroy surrounding tissues and organs; a disease characterized by the uncontrolled growth and spread of abnormal cells

*synonym* : tumor, carcinoma, malignancy

(1) **cancer** diagnosis, (2) **cancer** research

Breast **cancer** is the most common type of cancer in women.



## candid

*adj.* honest, straightforward, and frank in someone's words or actions

*synonym* : honest, frank, straightforward

(1) **candid** conversation, (2) in my **candid** opinion

The **candid** photography captured the genuine emotions of the moment.

## tumor

*n.* a mass of diseased tissue that forms when cells in the body divide and grow in an uncontrolled way

*synonym* : neoplasm, mass, lump

(1) **tumor** growth, (2) **tumor** at remote sites

The patient was diagnosed with a **tumor** in her lung.

## generate

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

*synonym* : create, yield, produce

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

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

## glycolysis

*n.* the process by which glucose is broken down and converted into energy within cells, typically occurring in the cytoplasm and producing two molecules of ATP as well as other byproducts

*synonym* : sugar breakdown, glucose metabolism

(1) aerobic **glycolysis**, (2) cancer **glycolysis**

**Glycolysis** regulation is a key aspect of energy metabolism in all cells.

## metabolite

*n.* a substance produced by metabolic processes in living organisms, especially those that are essential for normal physiological functions

*synonym* : intermediate

(1) **metabolite** concentration, (2) drug **metabolite**

The liver **metabolite** levels were higher than usual.

## **lactation**

*n.* the secretion of milk by the mammary glands of a female mammal, typically the following pregnancy

*synonym*: nursing, breastfeeding, milk production

(1) **lactation** period, (2) **lactation** support

After giving birth, the mother's body produces milk through **lactation**.

## **cascade**

*n.* a small waterfall or series of small waterfalls; a succession of stages or operations or processes or units

*synonym*: waterfall, watercourse, step

(1) **cascade** connection, (2) transistor **cascade**

The **cascade** of waterfalls in the national park was a breathtaking sight.

## **metabolism**

*n.* the set of chemical reactions in cells or organisms that are necessary for life-sustaining

(1) **metabolism** enzyme, (2) hemoglobin **metabolism**

Better sleep leads to increased **metabolism**.

## **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.

## **composition**

*n.* the different parts of something's elements or ingredients; the way in which the different components are organized; a piece of music written by someone

*synonym*: creating, formatting, arrangement

(1) age **composition** of the population, (2) the piano passages in the **composition**

Their innovative concepts were consistent across their bodies of **composition**.

## **dimethyl**

*n.* a chemical compound containing two methyl groups (CH<sub>3</sub>-) bound to a single carbon atom, often used as a building block for larger organic molecules

(1) **dimethyl** sulfate, (2) **dimethyl** ether

In organic chemistry, **dimethyl** formamide is often used as a reagent and solvent.

## sulfur

*n.* (also sulphur) a chemical element with the symbol S and atomic number 16, found in many minerals and sulfur compounds, often used in the production of fertilizers, rubber, paper, and other industrial applications

(1) **sulfur** dioxide, (2) **sulfur** mine

The **sulfur** emissions from the nearby factory caused the rotten egg smell.

## indicator

*n.* something that shows or points out what a situation is like or how a situation is changing

*synonym*: barometer, signal, index

(1) **indicator** lamp, (2) performance **indicators**

Several IT millionaires have shown that the level of education is a relatively poor **indicator** of whether a business can be successfully run.

## rev

*n.* a measure of the rate at which an engine or motor rotates, often expressed in revolutions per minute (RPM); (verb) to increase the number of rotations per minute

*synonym*: revolution, RPM, speed

(1) low- **rev** engine, (2) **rev** up the crowd

He stepped on the gas pedal, and the engine released a loud **rev**.

## subtle

*adj.* not readily apparent or visible

*synonym*: slight, nuanced, exquisite

(1) **subtle** changes, (2) a **subtle** poison

A famous artist painted the room in a **subtle** pink hue.

## suffer

*v.* to experience pain, distress, or hardship; to undergo or endure something painful or unpleasant

*synonym*: endure, undergo, tolerate

(1) **suffer** a setback, (2) **suffer** bad grades

The older man **suffers** from arthritis and finds it difficult to move around.

## complexity

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

*synonym*: intricacy, sophistication, elaboration

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

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

## fundamental

*adj.* forming an essential base or core from which everything else develops or is affected

*synonym*: basic, essential, entire

(1) **fundamental** education, (2) **fundamental** rights

Human behavior has **fundamental** characteristics.

## versatile

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

*synonym*: adaptable, protean, universal

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

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

## sensor

*n.* a device that receives a signal or stimulus such as heat, pressure, light, motion, etc. and responds to it in a specific manner

*synonym*: detector

(1) motion **sensor** lighting, (2) an image **sensor**

This automatic door could no longer be opened due to a **sensor** failure.

## 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.

## discriminate

v. to treat a person or particular group of people worse or better than another, especially in an unfair way; to recognize or perceive the difference between people or things

*synonym*: show prejudice, segregate, differentiate

(1) **discriminate** against women employees,

(2) **discriminate** between different things

You should not **discriminate** against minorities.

## individual

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

*synonym*: person, being, self

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

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

## observe

v. to watch or notice something carefully, often to gather information or insights; to take note of something or someone; to celebrate or commemorate a special event or occasion

*synonym*: watch, monitor, scrutinize

(1) **observe** a tradition, (2) **observe** wildlife

It is important to **observe** safety procedures in the workplace to prevent accidents.

## array

n. a large group or collection of things or people, especially one that is impressive or attractive

*synonym*: collection, display, batch

(1) a two-dimensional **array**, (2) an **array** of troops

The customer on the Internet has to choose one from a formidable **array** of products.

## resist

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

*synonym* : fight, defy, revolt

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

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

## resistance

*n.* the act of defending oneself from an aggressor or refusing to accept something

*synonym* : opposition, antagonism, defiance

(1) **resistance** movement, (2) **resistance** to insulin

The bill to increase the consumption tax had passed despite much **resistance** from the public.

## 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.

## substance

*n.* the real physical material of which a thing or person consist; the most important or main part of some idea or experience; an illegal drug

*synonym* : essence, core, material

(1) an explosive **substance**, (2) **substance** abuse problem

The **substance** of the argument was well-presented.

## incredibly

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

*synonym* : enormously, exceptionally, extraordinarily

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

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

## typical

*adj.* having the usual characteristics or traits of a specific group of things

*synonym* : characteristic, usual, distinctive

(1) **typical** leader, (2) fairly **typical** symptoms  
This artwork is **typical** of her work.

## gender

*n.* the range of characteristics of femininity and masculinity and differentiating between them, especially when considering social and cultural differences rather than differences in biology

*synonym* : sexuality

(1) **gender-blind** policies, (2) dual **gender**  
Cultural norms strongly influence **gender** expectations.

## nutrition

*n.* the substances or the process that organisms take into their bodies as food for their growth and health

*synonym* : alimentation, nourishment, sustenance

(1) **nutrition** condition, (2) **nutrition** intake  
This food contains all the **nutrition** your dog requires.

## distinguish

*v.* to notice or understand the difference between two people or things

*synonym* : determine, differentiate, characterize

(1) **distinguish** these two things, (2) **distinguish** man from the other animals

This study **distinguished** four different ways to run a business.

## 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.

## inhale

*v.* to breathe in air or a different substance, such as smoke  
*synonym* : breathe in, take in, draw in

(1) **inhale** the smoke, (2) **inhale** the aroma  
He **inhaled** deeply, trying to calm down.

## environment

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

*synonym*: atmosphere, surroundings, climate

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

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

## preliminary

*adj.* serving as a preparation for something more important or extensive; introductory; taking place before the main event or decision

*synonym*: initial, preparatory, introductory

(1) **preliminary** investigation, (2) **preliminary** agreement

Before starting the project, we need to go through some **preliminary** research and planning.

## clinical

*adj.* of or relating to the examination and treatment of patients rather than theoretical or laboratory studies

*synonym*: dispassionate, analytic, scientific

(1) **clinical** surgery, (2) participate in **clinical** trials

She received special **clinical** training at the hospital.

## colon

*n.* the punctuation mark ( : ) used to introduce a list, summary, explanation, etc., or before reporting what someone has said; a significant part of the large intestine, the final section of the digestive system

(1) **colon** examination, (2) the **colon** at the end of the sentence

Consumption of vegetables may aid in the prevention of **colon** cancer.

## encouraging

*adj.* giving hope, confidence, or support; inspiring

*synonym*: uplifting, inspiring, optimistic

(1) **encouraging** approval, (2) **encouraging** sign

The test results were **encouraging** and showed improvement.



## Session 2: Spelling

1. an ex\_\_\_\_\_d rock *adj.* having no protection or shield from something, such as bad weather, attack, or criticism
2. enc\_\_\_\_\_ng sign *adj.* giving hope, confidence, or support; inspiring
3. bi\_\_\_\_y of bone marrow *n.* the process of removing and examining tissue from the body of the sick person to determine the existence or cause of a disease
4. su\_\_\_\_r a setback *v.* to experience pain, distress, or hardship; to undergo or endure something painful or unpleasant
5. bre\_\_\_\_\_zer result *n.* a device that measures the level of alcohol in a person's breath, typically used by law enforcement to determine if someone is driving under the influence of alcohol
6. su\_\_\_\_r bad grades *v.* to experience pain, distress, or hardship; to undergo or endure something painful or unpleasant
7. provide a ve\_\_\_\_\_le solution *adj.* able to do many things in different fields; having many talents
8. met\_\_\_\_\_sm enzyme *n.* the set of chemical reactions in cells or organisms that are necessary for life-sustaining
9. id\_\_\_\_fy gene sequences *v.* to recognize someone or something and say or prove who or what they are

ANSWERS: 1. exposed, 2. encouraging, 3. biopsy, 4. suffer, 5. breathalyzer, 6. suffer, 7. versatile, 8. metabolism, 9. identify

- |                                       |           |   |
|---------------------------------------|-----------|---|
| 10. abdominal s_c                     | <i>n.</i> | a bag or pouch, typically made of fabric or leather, used to hold something valuable or important; a structure resembling a bag in an animal or plant             |
| 11. re__t against his way of thinking | <i>v.</i> | to take action in response to something   |
| 12. in____te a preference             | <i>v.</i> | to show, point out, or make known something, often through a sign or a symbol; to suggest or imply something without stating it directly                          |
| 13. blo____am in an artery            | <i>n.</i> | the blood flowing through the body  |
| 14. v__y directly with the price      | <i>v.</i> | to become different in terms of size, shape, etc.   |
| 15. res____ce movement                | <i>n.</i> | the act of defending oneself from an aggressor or refusing to accept something  |
| 16. trigger a re____on                | <i>n.</i> | a response that reveals a person's feelings or attitude; (in chemistry) a process in which one or more substances are changed into others                         |
| 17. re__t being kissed                | <i>v.</i> | to refuse to accept something and attempt to prevent it from happening  |
| 18. r_v up the crowd                  | <i>n.</i> | a measure of the rate at which an engine or motor rotates, often expressed in revolutions per minute (RPM); (verb) to increase the number of rotations per minute |
| 19. electromagnetic ra____on          | <i>n.</i> | the energy that comes from a nuclear reaction in the form of rays, waves, or particles and that can be hazardous to health  |

ANSWERS: 10. sac, 11. react, 12. indicate, 13. bloodstream, 14. vary, 15. resistance, 16. reaction, 17. resist, 18. rev, 19. radiation

20. 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
21. his research area of con\_\_\_\_\_ion *n.* the ability to focus all your time and energy on one thing without thinking about anything else.
22. a two-dimensional ar\_\_y *n.* a large group or collection of things or people, especially one that is impressive or attractive
23. con\_\_\_\_\_ion of armaments *n.* the ability to focus all your time and energy on one thing without thinking about anything else.
24. harmful co\_\_\_\_nd *n.* an item composed of two or more distinct elements combined; a chemical formed by the combination of two or more elements
25. stop drinking al\_\_\_\_l *n.* a clear liquid that can make people drunk and is used in medicines, cleaning products, etc.
26. ca\_\_\_\_e connection *n.* a small waterfall or series of small waterfalls; a succession of stages or operations or processes or units
27. good source of essential amino a\_\_ds *n.* sour; water-soluble chemicals with a sour flavor; any of a variety of generally liquid compounds capable of reacting with and occasionally dissolving other materials

ANSWERS: 20. develop, 21. concentration, 22. array, 23. concentration, 24. compound, 25. alcohol, 26. cascade, 27. acid

28. br\_\_\_h of wind *n.* the air that is taken into and expelled from your lungs; the process of taking into and expelling air from your lungs
29. id\_\_\_\_\_fy handwriting *v.* to recognize someone or something and say or prove who or what they are
30. or\_\_\_\_\_c soils *adj.* of or derived from biological substance; producing plants and animals for food and other items without the use of synthetic chemicals
31. exposure to ra\_\_\_\_\_on *n.* the energy that comes from a nuclear reaction in the form of rays, waves, or particles and that can be hazardous to health
32. get inc\_\_\_\_\_ly insecure *adv.* in a way that is very difficult to believe; exceedingly or extremely
33. bio\_\_\_\_\_al reaction *adj.* relating to the chemical processes and substances that occur within living organisms
34. eat or\_\_\_\_\_c food *adj.* of or derived from biological substance; producing plants and animals for food and other items without the use of synthetic chemicals
35. s\_c contents *n.* a bag or pouch, typically made of fabric or leather, used to hold something valuable or important; a structure resembling a bag in an animal or plant
36. ca\_\_\_r diagnosis *n.* abnormal growth of cells that can invade and destroy surrounding tissues and organs; a disease characterized by the uncontrolled growth and spread of abnormal cells

ANSWERS: 28. breath, 29. identify, 30. organic, 31. radiation, 32. incredibly, 33. biochemical, 34. organic, 35. sac, 36. cancer

37. de\_\_\_t a bad event      *v.* to find or recognize something, especially something difficult to see, hear, etc.
38. la\_\_\_\_\_on support      *n.* the secretion of milk by the mammary glands of a female mammal, typically the following pregnancy
39. de\_\_\_t smuggling across borders      *v.* to find or recognize something, especially something difficult to see, hear, etc.
40. drug met\_\_\_\_\_te      *n.* a substance produced by metabolic processes in living organisms, especially those that are essential for normal physiological functions
41. 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
42. ob\_\_\_\_\_e a tradition      *v.* to watch or notice something carefully, often to gather information or insights; to take note of something or someone; to celebrate or commemorate a special event or occasion
43. in\_\_\_\_\_ve species      *adj.* spreading very quickly, and often aggressively, and difficult to stop
44. ex\_\_\_\_\_d to radiation      *adj.* having no protection or shield from something, such as bad weather, attack, or criticism

ANSWERS: 37. detect, 38. lactation, 39. detect, 40. metabolite, 41. process, 42. observe, 43. invasive, 44. exposed

45. ex\_\_\_e a big sigh v. to breathe out air or vapor from the lungs or mouth; to release or emit something slowly or gently
46. dis\_\_\_\_ate between different things v. to treat a person or particular group of people worse or better than another, especially in an unfair way; to recognize or perceive the difference between people or things
47. in\_\_\_e the smoke v. to breathe in air or a different substance, such as smoke
48. a com\_\_\_\_ed process adj. involving a lot of different things or parts in a way that is difficult to understand or analyze
49. complex bio\_\_\_\_al adj. relating to the chemical processes and substances that occur within living organisms
50. transistor ca\_\_\_\_e n. a small waterfall or series of small waterfalls; a succession of stages or operations or processes or units
51. small mo\_\_\_\_les n. a group of two or more atoms held together by attractive forces known as chemical bonds
52. the co\_\_n at the end of the sentence n. the punctuation mark ( : ) used to introduce a list, summary, explanation, etc., or before reporting what someone has said; a significant part of the large intestine, the final section of the digestive system
53. blo\_\_\_\_am to the brain n. the blood flowing through the body

ANSWERS: 45. exhale, 46. discriminate, 47. inhale, 48. complicated, 49. biochemical, 50. cascade, 51. molecule, 52. colon, 53. bloodstream

54. ob\_\_\_\_e wildlife *v.* to watch or notice something carefully, often to gather information or insights; to take note of something or someone; to celebrate or commemorate a special event or occasion
55. st\_\_\_\_th of the economy *n.* the quality or state of being physically, or sometimes mentally, strong
56. ind\_\_\_\_al freedom *n.* a single person or thing, as distinct from a group
57. an a\_\_d reaction *n.* sour; water-soluble chemicals with a sour flavor; any of a variety of generally liquid compounds capable of reacting with and occasionally dissolving other materials
58. 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
59. bre\_\_\_\_zer device *n.* a device that measures the level of alcohol in a person's breath, typically used by law enforcement to determine if someone is driving under the influence of alcohol
60. re\_\_\_\_t temptation *v.* to refuse to accept something and attempt to prevent it from happening
61. met\_\_\_\_te concentration *n.* a substance produced by metabolic processes in living organisms, especially those that are essential for normal physiological functions

ANSWERS: 54. observe, 55. strength, 56. individual, 57. acid, 58. process, 59. breathalyzer, 60. resist, 61. metabolite

62. su\_\_\_r dioxide *n.* (also sulphur) a chemical element with the symbol S and atomic number 16, found in many minerals and sulfur compounds, often used in the production of fertilizers, rubber, paper, and other industrial applications
63. ca\_\_\_r research *n.* abnormal growth of cells that can invade and destroy surrounding tissues and organs; a disease characterized by the uncontrolled growth and spread of abnormal cells
64. in my ca\_\_\_d opinion *adj.* honest, straightforward, and frank in someone's words or actions
65. aquatic co\_\_\_\_\_nd *n.* an item composed of two or more distinct elements combined; a chemical formed by the combination of two or more elements
66. telephone ex\_\_\_\_\_on *n.* a thing that is added to something to make it longer, larger, or wider; an educational opportunity provided by colleges and universities to people who are not enrolled as regular students; an additional telephone set that is connected to the same telephone line
67. an explosive su\_\_\_\_\_ce *n.* the real physical material of which a thing or person consist; the most important or main part of some idea or experience; an illegal drug
68. di\_\_\_\_\_yl sulfate *n.* a chemical compound containing two methyl groups (CH<sub>3</sub>-) bound to a single carbon atom, often used as a building block for larger organic molecules

ANSWERS: 62. sulfur, 63. cancer, 64. candid, 65. compound, 66. extension, 67. substance, 68. dimethyl



69. enc\_\_\_\_\_ng approval *adj.* giving hope, confidence, or support; inspiring
70. nu\_\_\_\_\_on intake *n.* the substances or the process that organisms take into their bodies as food for their growth and health
71. su\_\_\_\_\_ce abuse problem *n.* the real physical material of which a thing or person consist; the most important or main part of some idea or experience; an illegal drug
72. 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
73. a private ind\_\_\_\_\_al *n.* a single person or thing, as distinct from a group
74. 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
75. com\_\_\_\_\_ty theory *n.* the state or quality of being complicated or intricate and difficult to understand
76. co\_\_n examination *n.* the punctuation mark ( : ) used to introduce a list, summary, explanation, etc., or before reporting what someone has said; a significant part of the large intestine, the final section of the digestive system
77. muscular st\_\_\_\_\_th *n.* the quality or state of being physically, or sometimes mentally, strong

ANSWERS: 69. encouraging, 70. nutrition, 71. substance, 72. develop, 73. individual, 74. disease, 75. complexity, 76. colon, 77. strength

78. ge\_\_\_r-blind policies *n.* the range of characteristics of femininity and masculinity and differentiating between them, especially when considering social and cultural differences rather than differences in biology
79. time ex\_\_\_\_\_on *n.* a thing that is added to something to make it longer, larger, or wider; an educational opportunity provided by colleges and universities to people who are not enrolled as regular students; an additional telephone set that is connected to the same telephone line
80. a su\_\_\_e poison *adj.* not readily apparent or visible
81. nu\_\_\_\_\_on condition *n.* the substances or the process that organisms take into their bodies as food for their growth and health
82. cognitive com\_\_\_\_\_ty *n.* the state or quality of being complicated or intricate and difficult to understand
83. a gas ch\_\_\_\_\_r *n.* a large room used for a formal, public, or particular purpose; one of the parts of a parliament
84. su\_\_\_r mine *n.* (also sulphur) a chemical element with the symbol S and atomic number 16, found in many minerals and sulfur compounds, often used in the production of fertilizers, rubber, paper, and other industrial applications
85. su\_\_\_e changes *adj.* not readily apparent or visible

ANSWERS: 78. gender, 79. extension, 80. subtle, 81. nutrition, 82. complexity, 83. chamber, 84. sulfur, 85. subtle

86. 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
87. res\_\_\_\_\_ce to insulin      *n.* the act of defending oneself from an aggressor or refusing to accept something
88. ad\_\_\_\_\_on of vectors      *n.* the act or process of adding something to something else; the process of adding numbers
89. an ar\_\_y of troops      *n.* a large group or collection of things or people, especially one that is impressive or attractive
90. the lower ch\_\_\_\_\_r      *n.* a large room used for a formal, public, or particular purpose; one of the parts of a parliament
91. ty\_\_\_\_\_l leader      *adj.* having the usual characteristics or traits of a specific group of things
92. l\_\_g capacity      *n.* either of the two organs in the chest that people and some animals use for breathing
93. the piano passages in the  
com\_\_\_\_\_on      *n.* the different parts of something's elements or ingredients; the way in which the different components are organized; a piece of music written by someone
94. dis\_\_\_\_\_ate against women  
employees      *v.* to treat a person or particular group of people worse or better than another, especially in an unfair way; to recognize or perceive the difference between people or things

ANSWERS: 86. patient, 87. resistance, 88. addition, 89. array, 90. chamber, 91. typical, 92. lung, 93. composition, 94. discriminate

95. tr\_\_e a telephone call  
v. to find or discover someone or something that was lost
96. re\_\_t at a high temperature  
v. to take action in response to something
97. cl\_\_\_\_al surgery  
adj. of or relating to the examination and treatment of patients rather than theoretical or laboratory studies
98. chaotic env\_\_\_\_\_nt  
n. the natural world such as air, water, and land in which humans, animals, and plants live
99. the ul\_\_\_\_\_te luxury  
adj. furthest or highest in degree or order
100. chemical re\_\_\_\_\_on  
n. a response that reveals a person's feelings or attitude; (in chemistry) a process in which one or more substances are changed into others
101. ge\_\_\_\_\_te \$100 a month  
v. to produce or create something; to make offspring by reproduction
102. dual ge\_\_\_\_r  
n. the range of characteristics of femininity and masculinity and differentiating between them, especially when considering social and cultural differences rather than differences in biology
103. env\_\_\_\_\_nt affairs  
n. the natural world such as air, water, and land in which humans, animals, and plants live
104. 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

ANSWERS: 95. trace, 96. react, 97. clinical, 98. environment, 99. ultimate, 100. reaction, 101. generate, 102. gender, 103. environment, 104. disease

105. pre\_\_\_\_\_ry agreement *adj.* serving as a preparation for something more important or extensive; introductory; taking place before the main event or decision
106. fairly ty\_\_\_\_\_l symptoms *adj.* having the usual characteristics or traits of a specific group of things
107. diluted al\_\_\_\_\_l *n.* a clear liquid that can make people drunk and is used in medicines, cleaning products, etc.
108. fun\_\_\_\_\_al education *adj.* forming an essential base or core from which everything else develops or is affected
109. in\_\_\_\_\_te an error *v.* to show, point out, or make known something, often through a sign or a symbol; to suggest or imply something without stating it directly
110. et\_\_\_\_\_l plant *n.* a colorless, flammable alcohol that is produced by the fermentation of sugars and is commonly used as a fuel, solvent, and in the manufacture of alcoholic beverages
111. co\_\_\_\_\_e a large of alcohol *v.* to spend something, especially fuel, energy, or time, in a large amount
112. dis\_\_\_\_\_sh man from the other animals *v.* to notice or understand the difference between two people or things
113. highly-vo\_\_\_\_\_le elements *adj.* likely to change rapidly or unexpectedly, or being unstable or explosive
114. become increasingly com\_\_\_\_\_ed *adj.* involving a lot of different things or parts in a way that is difficult to understand or analyze

ANSWERS: 105. preliminary, 106. typical, 107. alcohol, 108. fundamental, 109. indicate, 110. ethanol, 111. consume, 112. distinguish, 113. volatile, 114. complicated

115. mo\_\_\_\_le behavior *n.* a group of two or more atoms held together by attractive forces known as chemical bonds
116. lig\_\_\_\_ht aircraft *adj.* composed of thinner and lighter material than average; not severe or impressive
117. do l\_\_g transplantation *n.* either of the two organs in the chest that people and some animals use for breathing
118. di\_\_\_\_yl ether *n.* a chemical compound containing two methyl groups (CH<sub>3</sub>-) bound to a single carbon atom, often used as a building block for larger organic molecules
119. participate in cl\_\_\_\_al trials *adj.* of or relating to the examination and treatment of patients rather than theoretical or laboratory studies
120. chemical ad\_\_\_\_on *n.* the act or process of adding something to something else; the process of adding numbers
121. ac\_\_\_\_c fermentation *adj.* relating to vinegar or containing acetic acid (= a colorless, pungent-smelling liquid organic compound with the chemical formula CH<sub>3</sub>COOH); having a sour or sharp taste or smell resembling vinegar
122. la\_\_\_\_on period *n.* the secretion of milk by the mammary glands of a female mammal, typically the following pregnancy
123. liquid bi\_\_\_\_y *n.* the process of removing and examining tissue from the body of the sick person to determine the existence or cause of a disease

ANSWERS: 115. molecule, 116. lightweight, 117. lung, 118. dimethyl, 119. clinical, 120. addition, 121. acetic, 122. lactation, 123. biopsy

124. an\_\_\_\_\_e a chemical compound      *v.* to think about in-depth and evaluate to discover essential features or meaning
125. di\_\_\_\_\_se the problem      *v.* to determine or distinguish the nature of a problem or an illness through a careful analysis
126. ge\_\_\_\_\_te more electricity      *v.* to produce or create something; to make offspring by reproduction
127. co\_\_\_\_\_t fat into energy      *v.* to have a talk with someone; (adjective) reversed in order, relation, or action
128. hold your br\_\_\_\_h      *n.* the air that is taken into and expelled from your lungs; the process of taking into and expelling air from your lungs
129. hemoglobin met\_\_\_\_\_sm      *n.* the set of chemical reactions in cells or organisms that are necessary for life-sustaining
130. age com\_\_\_\_\_on of the population      *n.* the different parts of something's elements or ingredients; the way in which the different components are organized; a piece of music written by someone
131. vo\_\_\_\_\_le markets      *adj.* likely to change rapidly or unexpectedly, or being unstable or explosive
132. low-r\_v engine      *n.* a measure of the rate at which an engine or motor rotates, often expressed in revolutions per minute (RPM); (verb) to increase the number of rotations per minute
133. performance in\_\_\_\_\_ors      *n.* something that shows or points out what a situation is like or how a situation is changing

ANSWERS: 124. analyze, 125. diagnose, 126. generate, 127. convert, 128. breath, 129. metabolism, 130. composition, 131. volatile, 132. rev, 133. indicator

134. tr\_\_e back to medieval times      *v.* to find or discover someone or something that was lost
135. in\_\_\_\_\_or lamp      *n.* something that shows or points out what a situation is like or how a situation is changing
136. inc\_\_\_\_\_ly cheerful character      *adv.* in a way that is very difficult to believe; exceedingly or extremely
137. co\_\_\_\_\_t base 10 to base 16      *v.* to have a talk with someone; (adjective) reversed in order, relation, or action
138. v\_\_y according to the age      *v.* to become different in terms of size, shape, etc.
139. an\_\_\_\_\_e your real motives      *v.* to think about in-depth and evaluate to discover essential features or meaning
140. co\_\_\_\_\_e electricity      *v.* to spend something, especially fuel, energy, or time, in a large amount
141. di\_\_\_\_\_se with CT scans      *v.* to determine or distinguish the nature of a problem or an illness through a careful analysis
142. in\_\_\_e the aroma      *v.* to breathe in air or a different substance, such as smoke
143. 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
144. dis\_\_\_\_\_sh these two things      *v.* to notice or understand the difference between two people or things
145. an image se\_\_\_\_r      *n.* a device that receives a signal or stimulus such as heat, pressure, light, motion, etc. and responds to it in a specific manner

ANSWERS: 134. trace, 135. indicator, 136. incredibly, 137. convert, 138. vary, 139. analyze, 140. consume, 141. diagnose, 142. inhale, 143. disrupt, 144. distinguish, 145. sensor



146. aerobic gly\_\_\_\_\_is      *n.* the process by which glucose is broken down and converted into energy within cells, typically occurring in the cytoplasm and producing two molecules of ATP as well as other byproducts
147. ex\_\_\_e cigarette smoke      *v.* to breathe out air or vapor from the lungs or mouth; to release or emit something slowly or gently
148. et\_\_\_\_\_l production      *n.* a colorless, flammable alcohol that is produced by the fermentation of sugars and is commonly used as a fuel, solvent, and in the manufacture of alcoholic beverages
149. the ul\_\_\_\_\_te goal in life      *adj.* furthest or highest in degree or order
150. 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
151. tu\_\_r at remote sites      *n.* a mass of diseased tissue that forms when cells in the body divide and grow in an uncontrolled way
152. in\_\_\_\_\_ve breast cancer      *adj.* spreading very quickly, and often aggressively, and difficult to stop
153. fun\_\_\_\_\_al rights      *adj.* forming an essential base or core from which everything else develops or is affected
154. ac\_\_\_c smell      *adj.* relating to vinegar or containing acetic acid (= a colorless, pungent-smelling liquid organic compound with the chemical formula CH<sub>3</sub>COOH); having a sour or sharp taste or smell resembling vinegar

ANSWERS: 146. glycolysis, 147. exhale, 148. ethanol, 149. ultimate, 150. patient, 151. tumor, 152. invasive, 153. fundamental, 154. acetic

155. a ve\_\_\_\_\_le writer *adj.* able to do many things in different fields; having many talents
156. 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
157. ca\_\_\_\_d conversation *adj.* honest, straightforward, and frank in someone's words or actions
158. lig\_\_\_\_\_ht structure *adj.* composed of thinner and lighter material than average; not severe or impressive
159. motion se\_\_\_\_r lighting *n.* a device that receives a signal or stimulus such as heat, pressure, light, motion, etc. and responds to it in a specific manner
160. pre\_\_\_\_\_ry investigation *adj.* serving as a preparation for something more important or extensive; introductory; taking place before the main event or decision
161. tu\_\_r growth *n.* a mass of diseased tissue that forms when cells in the body divide and grow in an uncontrolled way
162. cancer gly\_\_\_\_\_is *n.* the process by which glucose is broken down and converted into energy within cells, typically occurring in the cytoplasm and producing two molecules of ATP as well as other byproducts

ANSWERS: 155. versatile, 156. disrupt, 157. candid, 158. lightweight, 159. sensor, 160. preliminary, 161. tumor, 162. glycolysis

## Session 3: Fill in the Blanks

1. The patient was diagnosed with a \_\_\_\_\_ in her lung.  
*n.* a mass of diseased tissue that forms when cells in the body divide and grow in an uncontrolled way
2. 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
3. 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
4. \_\_\_\_\_ research is essential to understanding the complex chemical reactions in living organisms.  
*adj.* relating to the chemical processes and substances that occur within living organisms
5. 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
6. Powder coating protects the \_\_\_\_\_ aluminum alloy components.  
*adj.* composed of thinner and lighter material than average; not severe or impressive

ANSWERS: 1. tumor, 2. exposed, 3. disrupt, 4. Biochemical, 5. develop, 6. lightweight

7. This automatic door could no longer be opened due to a \_\_\_\_\_ failure.  
*n.* a device that receives a signal or stimulus such as heat, pressure, light, motion, etc. and responds to it in a specific manner
8. Consumption of vegetables may aid in the prevention of \_\_\_\_\_ cancer.  
*n.* the punctuation mark ( : ) used to introduce a list, summary, explanation, etc., or before reporting what someone has said; a significant part of the large intestine, the final section of the digestive system
9. He's a \_\_\_\_\_ actor who has acted in various parts.  
*adj.* able to do many things in different fields; having many talents
10. 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
11. This study \_\_\_\_\_ four different ways to run a business.  
*v.* to notice or understand the difference between two people or things
12. I will introduce you to how to \_\_\_\_\_ the leading causes of the malfunction.  
*v.* to recognize someone or something and say or prove who or what they are
13. I want to \_\_\_\_\_ my sadness into strength.  
*v.* to have a talk with someone; (adjective) reversed in order, relation, or action
14. The shape of the DNA \_\_\_\_\_ is a double helix.  
*n.* a group of two or more atoms held together by attractive forces known as chemical bonds

ANSWERS: 7. sensor, 8. colon, 9. versatile, 10. disease, 11. distinguished, 12. identify, 13. convert, 14. molecule

15. He tried every possible treatment, including chemotherapy and \_\_\_\_\_ therapy.
- n.* the energy that comes from a nuclear reaction in the form of rays, waves, or particles and that can be hazardous to health
16. The police officer administered a \_\_\_\_\_ test to the driver suspected of drunk driving.
- n.* a device that measures the level of alcohol in a person's breath, typically used by law enforcement to determine if someone is driving under the influence of alcohol
17. The kidney is an \_\_\_\_\_ component of the body.
- adj.* of or derived from biological substance; producing plants and animals for food and other items without the use of synthetic chemicals
18. It is important to \_\_\_\_\_ safety procedures in the workplace to prevent accidents.
- v.* to watch or notice something carefully, often to gather information or insights; to take note of something or someone; to celebrate or commemorate a special event or occasion
19. 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
20. The \_\_\_\_\_ photography captured the genuine emotions of the moment.
- adj.* honest, straightforward, and frank in someone's words or actions
21. In \_\_\_\_\_ private corporations provide healthcare services.
- n.* the act or process of adding something to something else; the process of adding numbers

ANSWERS: 15. radiation, 16. breathalyzer, 17. organic, 18. observe, 19. complicated, 20. candid, 21. addition,

22. Adding \_\_\_\_\_ acid to a solution can lower its pH.

*adj.* relating to vinegar or containing acetic acid (= a colorless, pungent-smelling liquid organic compound with the chemical formula CH<sub>3</sub>COOH); having a sour or sharp taste or smell resembling vinegar

23. There is a clear association between \_\_\_\_\_ consumption and cognitive decline.

*n.* a clear liquid that can make people drunk and is used in medicines, cleaning products, etc.

24. I chose to \_\_\_\_\_ cancer by trying every possible treatment.

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

25. 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

26. Cancer cells are often carried throughout the body by the \_\_\_\_\_.

*n.* the blood flowing through the body

27. Several IT millionaires have shown that the level of education is a relatively poor \_\_\_\_\_ of whether a business can be successfully run.

*n.* something that shows or points out what a situation is like or how a situation is changing

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

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

ANSWERS: 22. acetic, 23. alcohol, 24. resist, 25. process, 26. bloodstream, 27. indicator, 28. complexity

29. He bated his \_\_\_\_\_ when talking about this affair.
- n.* the air that is taken into and expelled from your lungs; the process of taking into and expelling air from your lungs
30. There was a chemical \_\_\_\_\_ of the lime with the groundwater.
- n.* a response that reveals a person's feelings or attitude; (in chemistry) a process in which one or more substances are changed into others
31. They are building an \_\_\_\_\_ to the house to add more bedrooms.
- n.* a thing that is added to something to make it longer, larger, or wider; an educational opportunity provided by colleges and universities to people who are not enrolled as regular students; an additional telephone set that is connected to the same telephone line
32. Health and \_\_\_\_\_ are, above all, gold.
- n.* the quality or state of being physically, or sometimes mentally, strong
33. The bill to increase the consumption tax had passed despite much \_\_\_\_\_ from the public.
- n.* the act of defending oneself from an aggressor or refusing to accept something
34. Cultural norms strongly influence \_\_\_\_\_ expectations.
- n.* the range of characteristics of femininity and masculinity and differentiating between them, especially when considering social and cultural differences rather than differences in biology
35. You should not \_\_\_\_\_ against minorities.
- v.* to treat a person or particular group of people worse or better than another, especially in an unfair way; to recognize or perceive the difference between people or things

ANSWERS: 29. breath, 30. reaction, 31. extension, 32. strength, 33. resistance, 34. gender, 35. discriminate

36. She received special \_\_\_\_\_ training at the hospital.

*adj.* of or relating to the examination and treatment of patients rather than theoretical or laboratory studies

37. Management must take \_\_\_\_\_ responsibility for the accident.

*adj.* furthest or highest in degree or order

38. Human behavior has \_\_\_\_\_ characteristics.

*adj.* forming an essential base or core from which everything else develops or is affected

39. This food contains all the \_\_\_\_\_ your dog requires.

*n.* the substances or the process that organisms take into their bodies as food for their growth and health

40. Every human is responsible for taking care of the Earth's \_\_\_\_\_.

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

41. The surgeon made an incision in the \_\_\_\_\_ of the patient's heart.

*n.* a large room used for a formal, public, or particular purpose; one of the parts of a parliament

42. The test results were \_\_\_\_\_ and showed improvement.

*adj.* giving hope, confidence, or support; inspiring

43. After giving birth, the mother's body produces milk through \_\_\_\_\_.

*n.* the secretion of milk by the mammary glands of a female mammal, typically the following pregnancy

ANSWERS: 36. clinical, 37. ultimate, 38. fundamental, 39. nutrition, 40. environment, 41. chambers, 42. encouraging, 43. lactation



44. Before starting the project, we need to go through some \_\_\_\_\_ research and planning.

*adj.* serving as a preparation for something more important or extensive; introductory; taking place before the main event or decision

45. The liver \_\_\_\_\_ levels were higher than usual.

*n.* a substance produced by metabolic processes in living organisms, especially those that are essential for normal physiological functions

46. As an \_\_\_\_\_ he had the right to make his own decisions and live his life as he saw fit.

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

47. This exam requires excellent \_\_\_\_\_ to pass.

*n.* the ability to focus all your time and energy on one thing without thinking about anything else.

48. The doctor performed an excisional breast \_\_\_\_\_.

*n.* the process of removing and examining tissue from the body of the sick person to determine the existence or cause of a disease

49. He \_\_\_\_\_ deeply, trying to calm down.

*v.* to breathe in air or a different substance, such as smoke

50. Common salt is a sodium and chlorine \_\_\_\_\_.

*n.* an item composed of two or more distinct elements combined; a chemical formed by the combination of two or more elements

51. A famous artist painted the room in a \_\_\_\_\_ pink hue.

*adj.* not readily apparent or visible

ANSWERS: 44. preliminary, 45. metabolite, 46. individual, 47. concentration, 48. biopsy, 49. inhaled, 50. compound, 51. subtle

52. Better sleep leads to increased \_\_\_\_\_.

- n.* the set of chemical reactions in cells or organisms that are necessary for life-sustaining

53. The \_\_\_\_\_ emissions from the nearby factory caused the rotten egg smell.

- n.* (also sulphur) a chemical element with the symbol S and atomic number 16, found in many minerals and sulfur compounds, often used in the production of fertilizers, rubber, paper, and other industrial applications

54. The teacher attempted to \_\_\_\_\_ the root cause of our mistake.

- v.* to think about in-depth and evaluate to discover essential features or meaning

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

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

56. Breast \_\_\_\_\_ is the most common type of cancer in women.

- n.* abnormal growth of cells that can invade and destroy surrounding tissues and organs; a disease characterized by the uncontrolled growth and spread of abnormal cells

57. He stepped on the gas pedal, and the engine released a loud \_\_\_\_\_.

- n.* a measure of the rate at which an engine or motor rotates, often expressed in revolutions per minute (RPM); (verb) to increase the number of rotations per minute

58. He took a deep breath and slowly began to \_\_\_\_\_.

- v.* to breathe out air or vapor from the lungs or mouth; to release or emit something slowly or gently

59. Maximum heart rates \_\_\_\_\_ a lot for each individual.

- v.* to become different in terms of size, shape, etc.

ANSWERS: 52. metabolism, 53. sulfur, 54. analyze, 55. consume, 56. cancer, 57. rev, 58. exhale, 59. vary

60. The data \_\_\_\_\_ that the company's profits have steadily increased over the past quarter.
- v.* to show, point out, or make known something, often through a sign or a symbol; to suggest or imply something without stating it directly
61. The \_\_\_\_\_ of waterfalls in the national park was a breathtaking sight.
- n.* a small waterfall or series of small waterfalls; a succession of stages or operations or processes or units
62. The economic stimulation program would \_\_\_\_\_ a lot of new jobs.
- v.* to produce or create something; to make offspring by reproduction
63. Their relationship was \_\_\_\_\_ and prone to sudden outbursts of anger.
- adj.* likely to change rapidly or unexpectedly, or being unstable or explosive
64. I placed my valuables in the \_\_\_\_\_ before heading out on my hike.
- n.* a bag or pouch, typically made of fabric or leather, used to hold something valuable or important; a structure resembling a bag in an animal or plant
65. The \_\_\_\_\_ disease can spread quickly and potentially cause a global pandemic.
- adj.* spreading very quickly, and often aggressively, and difficult to stop
66. The older man \_\_\_\_\_ from arthritis and finds it difficult to move around.
- v.* to experience pain, distress, or hardship; to undergo or endure something painful or unpleasant
67. Their innovative concepts were consistent across their bodies of \_\_\_\_\_.
- n.* the different parts of something's elements or ingredients; the way in which the different components are organized; a piece of music written by someone

ANSWERS: 60. indicates, 61. cascade, 62. generate, 63. volatile, 64. sac, 65. invasive, 66. suffers, 67. composition

68. In organic chemistry, \_\_\_\_\_ formamide is often used as a reagent and solvent.
- n.* a chemical compound containing two methyl groups (CH<sub>3</sub>-) bound to a single carbon atom, often used as a building block for larger organic molecules
69. The production of \_\_\_\_\_ can have environmental benefits if produced from renewable sources.
- n.* a colorless, flammable alcohol that is produced by the fermentation of sugars and is commonly used as a fuel, solvent, and in the manufacture of alcoholic beverages
70. The customer on the Internet has to choose one from a formidable \_\_\_\_\_ of products.
- n.* a large group or collection of things or people, especially one that is impressive or attractive
71. \_\_\_\_\_ regulation is a key aspect of energy metabolism in all cells.
- n.* the process by which glucose is broken down and converted into energy within cells, typically occurring in the cytoplasm and producing two molecules of ATP as well as other byproducts
72. This artwork is \_\_\_\_\_ of her work.
- adj.* having the usual characteristics or traits of a specific group of things
73. He has terminal \_\_\_\_\_ cancer.
- n.* either of the two organs in the chest that people and some animals use for breathing
74. How did he \_\_\_\_\_ to your idea?
- v.* to take action in response to something

ANSWERS: 68. dimethyl, 69. ethanol, 70. array, 71. Glycolysis, 72. typical, 73. lung, 74. react

75. The \_\_\_\_\_ of the argument was well-presented.

- n.* the real physical material of which a thing or person consist; the most important or main part of some idea or experience; an illegal drug

76. During pregnancy, the stomach generates less \_\_\_\_\_ than usual.

- n.* sour; water-soluble chemicals with a sour flavor; any of a variety of generally liquid compounds capable of reacting with and occasionally dissolving other materials

77. The security camera has \_\_\_\_\_ four intruders.

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

78. Let's \_\_\_\_\_ the origins of some familiar foreign words.

- v.* to find or discover someone or something that was lost

79. 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

80. This device is used to \_\_\_\_\_ brain cancer and other tumors.

- v.* to determine or distinguish the nature of a problem or an illness through a careful analysis

81. Several cities are experiencing \_\_\_\_\_ high unemployment rates.

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

ANSWERS: 75. substance, 76. acid, 77. detected, 78. trace, 79. patient's, 80. diagnose, 81. incredibly