

# Englist.me



## Vocabulary Builder Reference from...

Thomas Boothby: Meet the tardigrade, the toughest animal on Earth | TED Talk

[https://www.ted.com/talks/thomas\\_boothby\\_meet\\_the\\_tardigrade\\_the\\_toughest\\_animal\\_on\\_earth](https://www.ted.com/talks/thomas_boothby_meet_the_tardigrade_the_toughest_animal_on_earth)

### All Words

#### IMPORTANT

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## Session 1: Word List

### survive

*v.* to live or exist despite a dangerous event or period

*synonym* : endure, persist, stay

(1) **survive** a blizzard, (2) **survive** a plane crash

These birds can only **survive** in temperate climates.

### creature

*n.* a living being, especially an animal

*synonym* : being, animal, organism

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

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

### resilient

*adj.* able to withstand or recover quickly from difficult conditions

*synonym* : robust, sturdy, tough

(1) a hard and **resilient** steel, (2) **resilient** population

She is a **resilient** person and has always bounced back from setbacks.

### 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**.

### withstand

*v.* to resist the effect or impact of something

*synonym*: endure, bear, resist

(1) **withstand** pressure, (2) **withstand** temptation

The new phone is waterproof and can **withstand** being dropped in water.

### 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.

### tardigrade

*n.* a microscopic, water-dwelling animal that is known for its resilience and ability to survive extreme conditions

*synonym*: water bear, moss piglet

(1) tiny **tardigrade**, (2) **tardigrade** research

Scientists have studied the resilience of the **tardigrade**, also known as a water bear.

### chubby

*adj.* having a plump or rounded body shape, often used to describe children or pets

*synonym*: fat, plump, corpulent

(1) **chubby** cheeks, (2) **chubby** arms

The **chubby** toddler waddled around the park, laughing and playing.

### gum

*n.* a soft, sticky substance that is chewed to freshen the breath or to clean the teeth; the flesh that surrounds the teeth in the mouth

*synonym*: mucilage, glue, alveolar arch

(1) bubble **gum**, (2) chewing **gum**

I always like having a pack of **gum** to freshen my breath.

## 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**.

## 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.

## 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.

## 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.

## restriction

*n.* a limitation or constraint placed on something, or the act of limiting or constraining something

*synonym*: limitation, constraint, control

(1) nutritional **restriction**, (2) **restriction** on trade

The **restriction** on travel during the pandemic made it difficult

for people to see their loved ones.

## **anhydrobiosis**

*n.* a state of suspended animation or extreme desiccation in certain organisms where they can withstand prolonged periods of extreme dryness, appearing dead, and then revive when provided with water

(1) **anhydrobiosis** organism, (2) **anhydrobiosis** in plants  
Some bacteria, yeast, and plants can enter a state of **anhydrobiosis** to endure harsh conditions.

## **extraordinary**

*adj.* exceptional, unexpected, very unusual; surpassing the ordinary or usual

*synonym*: exceptional, noteworthy, astonishing

(1) **extraordinary** ability, (2) **extraordinary** weather  
He narrated the **extraordinary** story of his adventure.

## **bacteria**

*n.* single-celled or noncellular spherical or spiral or rod-shaped organisms that exist in large numbers in the air, water, and soil, and also in living and dead creatures and plants, and are often a cause of disease

*synonym*: microorganism, microbe

(1) pathogenic **bacteria**, (2) harmless **bacteria**  
**Bacteria** prevalent in hospitals are often resistant to antibiotics.

## **archaea**

*n.* a group of single-celled microorganisms distinguished from bacteria by their unique cell wall structure and biochemical characteristics, which are found in extreme environments such as hot springs and salt flats

*synonym*: microbe, microorganism

(1) **archaea** microorganism, (2) thermophile **archaea**  
The study of **archaea** is important for understanding the origins of life on Earth

## **curl**

*v.* to form or make something form into a curved or spiral shape; (noun) a round shape formed by a series of concentric circles

*synonym*:

coil, curve, spiral

(1) **curl** around street corners, (2) a **curl** of smoke

The cat **curled** into a ball and went to sleep.

## scarce

*adj.* not abundant or plentiful, and therefore not easy to find or obtain

*synonym* : rare, limited, sparse

(1) **scarce** resources, (2) capital- **scarce** country

Fresh water is becoming increasingly **scarce** in many parts of the world.

## synthesize

*v.* to combine a substance to make a more complex product or compound

*synonym* : incorporate, amalgamate

(1) **synthesize** molecules, (2) **synthesize** information

The spider can **synthesize** multiple different silk proteins.

## 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.

## 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.

## matrix

*n.* a rectangular array of numbers, symbols, or expressions, arranged in rows and columns and often enclosed in brackets; an enclosure within which something originates or develops

*synonym* : grid, cast, table

(1) the **matrix** of Western civilization, (2) **matrix** multiplication

The **matrix** of numbers on the spreadsheet allowed the

accountant to track the company's profits and losses easily.

## 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.

## sensitive

*adj.* able to notice slight changes, signals, or influences; able to feel or perceive other's feelings; susceptible to the things people say or do

*synonym*: exposed, susceptible, keen

(1) **sensitive** documents, (2) baby with **sensitive** skin

The teacher is very **sensitive** to children's feelings.

## protein

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

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

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

## membrane

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

*synonym*: tissue layer

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

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

## trap

*n.* a piece of equipment or hole for catching animals or people; (verb) to catch animals or people and prevent them from escaping

*synonym*: catch, snare, pinfall

(1) set a **trap**, (2) **trap** an animal

The enemy fell right into the **trap**.

## unfold

*v.* to open up or spread out something that is folded or rolled up; to reveal or disclose something that was

previously hidden or unknown

*synonym* : open, spread out, expose

(1) **unfold** the story, (2) **unfold** the stroller

The mystery **unfolded** as the detectives gathered more clues.

## **fuse**

*n.* a small part in an electrical device or machinery that can interrupt the flow of electrical current when it is overloaded; (verb) to become plastic or fluid or liquefied from heat

*synonym* : (verb) melt, (verb) blend

(1) **fuse** blows, (2) **fuse** with one another

He has a short **fuse**.

## **hydrate**

*v.* to add water or moisture to something; to drink enough fluids to maintain proper moisture; (noun) any compound that contains water of crystallization

*synonym* : moisturize, water, rehydrate

(1) **hydrate** my skin, (2) acid **hydrate**

She drank water to **hydrate** her body.

## **dissolve**

*v.* to be or cause to be absorbed by a liquid to form a part of the solution; to close down or dismiss

*synonym* : disband, disappear, liquefy

(1) **dissolve** the sugar, (2) officially **dissolved** the marriage

The political party **dissolved** after much internal fighting.

## **damage**

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

*synonym* : harm, impair, injure

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

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

## functional

*adj.* designed for or capable of a particular activity, purpose, or task; practical or ready for use or service

*synonym* : applicable, practical, usable

(1) field of **functional** medicine, (2) **functional** deafness

The mobile phone was still **functional** even after being dropped.

## tolerate

*v.* to allow something to exist or happen, even if it is disliked or opposed

*synonym* : endure, put up with, bear

(1) **tolerate** his disrespectful behavior, (2) **tolerate** ambiguity

I can't **tolerate** spicy food, and it always gives me heartburn

## extreme

*adj.* very great in amount or degree

*synonym* : farthestmost, outermost, fierce

(1) **extreme** sports, (2) **extreme** weather events

Solar gravity creates **extreme** pressures and temperatures.

## vacuum

*n.* a space empty of matter; a device or tool used for cleaning or removing debris by creating suction

*synonym* : void, emptiness, gap

(1) **vacuum** cleaner, (2) **vacuum** packing

Please use the **vacuum** to clean up the mess on the floor.

## erroneous

*adj.* containing errors; mistaken or incorrect; based on faulty reasoning or information

*synonym* : incorrect, mistaken, fallacious

(1) **erroneous** information, (2) **erroneous** decision

The report contained several **erroneous** statements that needed to be corrected.

## speculate

*v.* to form a theory or conjecture or guess about a subject without solid evidence

*synonym* : assume, conjecture, infer

(1) **speculate** about the reason, (2) **speculate** on the



outcome

He **speculated** that this investment would lead to success.

## extraterrestrial

*adj.* relating to or existing outside of the Earth's atmosphere or planetary boundaries; pertaining to beings or phenomena that originate from beyond the Earth

*synonym*: alien, outer, otherworldly

(1) **extraterrestrial** planet, (2) **extraterrestrial** intelligence

Scientists are constantly searching for signs of **extraterrestrial** life in the universe.

## origin

*n.* the first existence or beginning of something

*synonym*: root, source, ancestor

(1) **origin** of information, (2) racial **origin**

There are various hypotheses concerning the **origin** of life.

## firm

*adj.* resolute or unwavering in decision-making or action; strong or secure in structure, make, or composition; reliable, trustworthy, or dependable; (noun) a business or company

*synonym*: stable, secure, steadfast

(1) **firm** grip, (2) accounting **firm**

The **firm** deadline for submitting the project is tomorrow, so we need to work efficiently to finish on time.

## evolve

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

*synonym*: develop, mature, grow

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

Eyeless fish **evolved** in dark caves.

## evolution

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

*synonym*: elaboration, expansion, transition

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

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

## discovery

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

*synonym* : finding, uncovering, detection

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

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

## hardy

*adj.* able to withstand harsh conditions or difficult circumstances; robust, sturdy, or resilient

*synonym* : tough, sturdy, resilient

(1) **hardy** plants, (2) **hardy** breed

The **hardy** construction workers worked tirelessly in the scorching heat to complete the project.

## continent

*n.* one of the earth's large landmasses; (adjective) abstaining from your feelings, especially your desire to have sex

*synonym* : landmass, (adjective) chaste, (adjective) pure

(1) the inland of a **continent**, (2) **continent** urinary diversion

Flight across the **continent** was a daring adventure in its day.

## diverse

*adj.* including numerous categories of individuals or entities; various

*synonym* : manifold, various, myriad

(1) **diverse** backgrounds, (2) a person of **diverse** talents

New York is a city with a **diverse** ethnic population.

## biome

*n.* a major ecological community characterized by particular plant and animal species adapted to a specific climate and geographic region, such as desert, tundra, or rainforest

*synonym* : ecosystem, habitat, biota

(1) **biome** conservation, (2) marine **biome**

The rainforest is one of the most diverse **biomes** on the planet.

## desert

*n.* arid land with little or no vegetation often covered with sand or rocks

(1) **desert** basin, (2) oasis in the **desert**

This region is predominantly **desert**.

## rainforest

*n.* a forest rich in biodiversity that is generally found in tropical settings with heavy annual rainfall

(1) **rainforest** destruction, (2) tropical **rainforest**

The destruction of the **rainforest** is a ticking time bomb for the Earth.

## peak

*n.* the point to which something or someone is at its strongest, best, or most successful; the pointed top of a mountain

*synonym* : summit, vertex, apex

(1) at **peak** hour, (2) the **peak** current in the circuit

This measurement aims to reduce traffic at **peak** periods.

## ordinary

*adj.* not different, exceptional, or unexpected in any way, especially in quality, ability, size, or degree

*synonym* : mundane, prosaic, average

(1) an **ordinary** school, (2) **ordinary** annual revenue

The **ordinary** session of the Diet opened.

## moss

*n.* a small, soft plant that grows in a low, compact layer, often on the ground or on rocks

*synonym* : plant, foliage, greenery

(1) green **moss**, (2) **moss** garden

**Moss** grows in damp, shaded areas and is often found on the forest floor.

## lichen

*n.* a composite organism consisting of a symbiotic relationship between a fungus and an alga or cyanobacterium

*synonym* : fungus, plant, symbiotic organism

(1) **lichen** fungus, (2) **lichen** families

The **lichen** on the old tree bark was thick and lush, a sign of

a healthy ecosystem.

## patience

*n.* the ability to remain calm and composed in the face of adversity, delay, or frustration; the capacity to tolerate or endure difficult or unpleasant situations without becoming upset or angry

*synonym*: forbearance, endurance, tolerance

(1) test my **patience**, (2) show **patience**

Healing a broken heart requires **patience**, as it takes time to heal.

## microscope

*n.* an instrument used to see objects or substances that are too small to be seen with the naked eye

*synonym*: lens, magnifier, eyepiece

(1) **microscope** slide, (2) electron **microscope**

I used an optical **microscope** to observe the small organisms in the water sample.

## technique

*n.* a particular way or art of doing something that needs skill

*synonym*: approach, procedure, strategy

(1) a **technique** in martial arts, (2) the **technique** applied to construction

Jockey's superior **technique** brought him victory.

## stabilize

*v.* to become or cause to become steady or unlikely to give way

*synonym*: brace, steady, secure

(1) **stabilize** prices, (2) **stabilize** blood sugar levels

The raising of interest rates **stabilizes** the inflation rate.

## biology

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

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

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

## vaccine

*n.* a substance that is put into the body and protects them from disease by causing them to produce antibodies (= proteins that attack harmful bacteria, viruses, etc.)

*synonym* : vaccinum

(1) development of **vaccines**, (2) an oral **vaccine**

The mRNA **vaccine** was approved in less than a year because it did not contain the fragments of the target virus.

## 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.

## tolerant

*adj.* accepting different views, beliefs, or practices without judgment or interference

*synonym* : forgiving, lenient, permissive

(1) a **tolerant** teacher, (2) **tolerant** of his failure

She was known for her **tolerant** attitude toward different cultures.

## crop

*n.* a plant that is cultivated in large amounts, particularly for food

*synonym* : output, produce, product

(1) **crop** field, (2) **crop** herbicide

Sow early for an early **crop**.

## climate

*n.* the weather in a particular location averaged over some long period

*synonym* : atmosphere, weather, environment

(1) a cold **climate**, (2) effects of **climate** change

**Climate** and weather have an impact on every part of our lifestyles.

## prolong

*v.* to extend the duration or length of something, particularly a period of time or an event

*synonym*: extend, lengthen, stretch

(1) **prolong** the agony, (2) measures to **prolong** the lifespan

We need to **prolong** the meeting for another hour to discuss all the issues.

## exposure

*n.* the state of being in a particular situation or place where there is no protection from or guarantee to something harmful; the disclosure of something secret

*synonym*: vulnerability, disclosure, uncovering

(1) a southern **exposure**, (2) the **exposure** of a fraud

The long **exposure** to the air tarnished the antique tableware.

## clue

*n.* an object, a piece of evidence, or some information that helps someone to find the answer to a problem, question, or mystery

*synonym*: hint, indication, inkling

(1) a **clue** about the crime, (2) a **clue** to the diagnosis

The police couldn't find a **clue** to her whereabouts.

## safeguard

*v.* to protect something or someone from harm, damage, or loss

*synonym*: protect, assure, conserve

(1) **safeguard** my property, (2) **safeguard** environmental quality

This measure will **safeguard** people against terrorism.

## astronaut

*n.* a person trained by a space agency to travel outside the Earth's atmosphere

*synonym*: spaceman, cosmonaut

(1) **astronaut** mission, (2) **astronaut** in training

The shuttle **astronaut** trained for months before embarking on the space mission.

## critic

*n.* someone who expresses opinions about the quality of books, music, etc.

*synonym* : pundit, analyst, attacker

(1) art **critic**, (2) severe **critic**

Advocates for legal reform hear less harsh words from their **critics**.

## planet

*n.* any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star

*synonym* : earth, world, globe

(1) **planet** like the Earth, (2) save the **planet**

Mercury is the closest **planet** to the sun.

## hospitable

*adj.* friendly and generous to visitors or guests

*synonym* : benevolent, generous, gracious

(1) **hospitable** environment, (2) a **hospitable** welcome

He is a good-natured and **hospitable** man.

## Session 2: Spelling

1. va\_\_\_m cleaner *n.* a space empty of matter; a device or tool used for cleaning or removing debris by creating suction
2. cell me\_\_\_\_nes *n.* a soft, thin layer that forms animal or vegetable tissue
3. a c\_\_l of smoke *v.* to form or make something form into a curved or spiral shape; (noun) a round shape formed by a series of concentric circles
4. da\_\_\_e assessment *v.* to harm or cause injury to something or someone, often resulting in decreased value or functionality; to impair or negatively affect something, such as a reputation or relationship; (noun) harm or injury that is caused to a person, thing, or entity
5. the ma\_\_\_x of Western civilization *n.* a rectangular array of numbers, symbols, or expressions, arranged in rows and columns and often enclosed in brackets; an enclosure within which something originates or develops
6. evolutionary bi\_\_\_\_y *n.* the scientific study of life and the natural processes of living things
7. acid hy\_\_\_\_e *v.* to add water or moisture to something; to drink enough fluids to maintain proper moisture; (noun) any compound that contains water of crystallization

ANSWERS: 1. vacuum, 2. membrane, 3. curl, 4. damage, 5. matrix, 6. biology, 7. hydrate



8. un\_\_\_d the story *v.* to open up or spread out something that is folded or rolled up; to reveal or disclose something that was previously hidden or unknown
9. hemoglobin met\_\_\_\_\_sm *n.* the set of chemical reactions in cells or organisms that are necessary for life-sustaining
10. li\_\_\_n fungus *n.* a composite organism consisting of a symbiotic relationship between a fungus and an alga or cyanobacterium
11. va\_\_\_m packing *n.* a space empty of matter; a device or tool used for cleaning or removing debris by creating suction
12. art cr\_\_\_c *n.* someone who expresses opinions about the quality of books, music, etc.
13. li\_\_\_n families *n.* a composite organism consisting of a symbiotic relationship between a fungus and an alga or cyanobacterium
14. the ex\_\_\_\_\_re of a fraud *n.* the state of being in a particular situation or place where there is no protection from or guarantee to something harmful; the disclosure of something secret
15. a person of di\_\_\_\_\_e talents *adj.* including numerous categories of individuals or entities; various
16. su\_\_\_\_\_e a blizzard *v.* to live or exist despite a dangerous event or period
17. hos\_\_\_\_\_le environment *adj.* friendly and generous to visitors or guests

ANSWERS: 8. unfold, 9. metabolism, 10. lichen, 11. vacuum, 12. critic, 13. lichen, 14. exposure, 15. diverse, 16. survive, 17. hospitable

18. tiny tar\_\_\_\_\_de *n.* a microscopic, water-dwelling animal that is known for its resilience and ability to survive extreme conditions
19. field of fun\_\_\_\_\_al medicine *adj.* designed for or capable of a particular activity, purpose, or task; practical or ready for use or service
20. ar\_\_\_\_\_a microorganism *n.* a group of single-celled microorganisms distinguished from bacteria by their unique cell wall structure and biochemical characteristics, which are found in extreme environments such as hot springs and salt flats
21. chaotic env\_\_\_\_\_nt *n.* the natural world such as air, water, and land in which humans, animals, and plants live
22. 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
23. rai\_\_\_\_\_st destruction *n.* a forest rich in biodiversity that is generally found in tropical settings with heavy annual rainfall
24. the great di\_\_\_\_\_ry of the century *n.* the act or process of finding information, a place, or an object, or learning about something that was previously not known
25. pl\_\_\_\_t like the Earth *n.* any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star

ANSWERS: 18. tardigrade, 19. functional, 20. archaea, 21. environment, 22. reaction, 23. rainforest, 24. discovery, 25. planet

26. 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
27. wi\_\_\_\_\_nd temptation      *v.* to resist the effect or impact of something
28. met\_\_\_\_\_sm enzyme      *n.* the set of chemical reactions in cells or organisms that are necessary for life-sustaining
29. 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
30. officially di\_\_\_\_\_ved the marriage      *v.* to be or cause to be absorbed by a liquid to form a part of the solution; to close down or dismiss
31. ha\_\_y breed      *adj.* able to withstand harsh conditions or difficult circumstances; robust, sturdy, or resilient
32. re\_\_\_\_\_e one word with another      *v.* to take the place of something
33. accounting f\_\_m      *adj.* resolute or unwavering in decision-making or action; strong or secure in structure, make, or composition; reliable, trustworthy, or dependable; (noun) a business or company

ANSWERS: 26. develop, 27. withstand, 28. metabolism, 29. process, 30. dissolve, 31. hardy, 32. replace, 33. firm

34. ma\_\_\_x multiplication *n.* a rectangular array of numbers, symbols, or expressions, arranged in rows and columns and often enclosed in brackets; an enclosure within which something originates or develops
35. thermophile ar\_\_\_\_a *n.* a group of single-celled microorganisms distinguished from bacteria by their unique cell wall structure and biochemical characteristics, which are found in extreme environments such as hot springs and salt flats
36. marine bi\_\_e *n.* a major ecological community characterized by particular plant and animal species adapted to a specific climate and geographic region, such as desert, tundra, or rainforest
37. baby with se\_\_\_\_\_ve skin *adj.* able to notice slight changes, signals, or influences; able to feel or perceive other's feelings; susceptible to the things people say or do
38. di\_\_\_\_e backgrounds *adj.* including numerous categories of individuals or entities; various
39. an oral va\_\_\_\_e *n.* a substance that is put into the body and protects them from disease by causing them to produce antibodies (= proteins that attack harmful bacteria, viruses, etc.)
40. show pa\_\_\_\_ce *n.* the ability to remain calm and composed in the face of adversity, delay, or frustration; the capacity to tolerate or endure difficult or unpleasant situations without becoming upset or angry

ANSWERS: 34. matrix, 35. archaea, 36. biome, 37. sensitive, 38. diverse, 39. vaccine, 40. patience

41. a hard and re\_\_\_\_\_nt steel      *adj.* able to withstand or recover quickly from difficult conditions
42. save the pl\_\_\_\_t      *n.* any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star
43. development of va\_\_\_\_\_es      *n.* a substance that is put into the body and protects them from disease by causing them to produce antibodies (= proteins that attack harmful bacteria, viruses, etc.)
44. capital-sc\_\_\_\_e country      *adj.* not abundant or plentiful, and therefore not easy to find or obtain
45. racial or\_\_\_\_n      *n.* the first existence or beginning of something
46. pathogenic ba\_\_\_\_\_ia      *n.* single-celled or noncellular spherical or spiral or rod-shaped organisms that exist in large numbers in the air, water, and soil, and also in living and dead creatures and plants, and are often a cause of disease
47. key co\_\_\_\_\_nt      *n.* one of several parts that combines with others to form something bigger
48. ext\_\_\_\_\_ial intelligence      *adj.* relating to or existing outside of the Earth's atmosphere or planetary boundaries; pertaining to beings or phenomena that originate from beyond the Earth
49. trigger a re\_\_\_\_\_on      *n.* a response that reveals a person's feelings or attitude; (in chemistry) a process in which one or more substances are changed into others

ANSWERS: 41. resilient, 42. planet, 43. vaccine, 44. scarce, 45. origin, 46. bacteria, 47. component, 48. extraterrestrial, 49. reaction

50. mo\_\_\_\_le behavior *n.* a group of two or more atoms held together by attractive forces known as chemical bonds
51. measures to pr\_\_\_\_g the lifespan *v.* to extend the duration or length of something, particularly a period of time or an event
52. a hos\_\_\_\_\_le welcome *adj.* friendly and generous to visitors or guests
53. mic\_\_\_\_\_pe slide *n.* an instrument used to see objects or substances that are too small to be seen with the naked eye
54. tar\_\_\_\_\_de research *n.* a microscopic, water-dwelling animal that is known for its resilience and ability to survive extreme conditions
55. c\_\_p field *n.* a plant that is cultivated in large amounts, particularly for food
56. or\_\_\_\_ry annual revenue *adj.* not different, exceptional, or unexpected in any way, especially in quality, ability, size, or degree
57. env\_\_\_\_\_nt affairs *n.* the natural world such as air, water, and land in which humans, animals, and plants live
58. co\_\_\_\_\_nt urinary diversion *n.* one of the earth's large landmasses; (adjective) abstaining from your feelings, especially your desire to have sex
59. a scientific di\_\_\_\_\_ry *n.* the act or process of finding information, a place, or an object, or learning about something that was previously not known

ANSWERS: 50. molecule, 51. prolong, 52. hospitable, 53. microscope, 54. tardigrade, 55. crop, 56. ordinary, 57. environment, 58. continent, 59. discovery

60. a c\_\_e about the crime *n.* an object, a piece of evidence, or some information that helps someone to find the answer to a problem, question, or mystery
61. ev\_\_\_\_\_on theory *n.* a gradual process of transformation of living things
62. set a t\_\_p *n.* a piece of equipment or hole for catching animals or people; (verb) to catch animals or people and prevent them from escaping
63. as\_\_\_\_\_ut in training *n.* a person trained by a space agency to travel outside the Earth's atmosphere
64. m\_\_s garden *n.* a small, soft plant that grows in a low, compact layer, often on the ground or on rocks
65. ev\_\_\_e over the past decade *v.* to develop gradually, or to cause the development of something or someone gradually
66. the te\_\_\_\_\_ue applied to construction *n.* a particular way or art of doing something that needs skill
67. spare co\_\_\_\_\_nts for cars *n.* one of several parts that combines with others to form something bigger
68. bi\_\_e conservation *n.* a major ecological community characterized by particular plant and animal species adapted to a specific climate and geographic region, such as desert, tundra, or rainforest
69. ex\_\_\_\_\_e weather events *adj.* very great in amount or degree

ANSWERS: 60. clue, 61. evolution, 62. trap, 63. astronaut, 64. moss, 65. evolve, 66. technique, 67. component, 68. biome, 69. extreme

70. tropical rai\_\_\_\_\_st *n.* a forest rich in biodiversity that is generally found in tropical settings with heavy annual rainfall
71. sc\_\_\_e resources *adj.* not abundant or plentiful, and therefore not easy to find or obtain
72. un\_\_\_d the stroller *v.* to open up or spread out something that is folded or rolled up; to reveal or disclose something that was previously hidden or unknown
73. a cold cl\_\_\_\_\_e *n.* the weather in a particular location averaged over some long period
74. de\_\_\_t basin *n.* arid land with little or no vegetation often covered with sand or rocks
75. a southern ex\_\_\_\_\_re *n.* the state of being in a particular situation or place where there is no protection from or guarantee to something harmful; the disclosure of something secret
76. anh\_\_\_\_\_sis organism *n.* a state of suspended animation or extreme desiccation in certain organisms where they can withstand prolonged periods of extreme dryness, appearing dead, and then revive when provided with water
77. cr\_\_\_\_\_re of habit *n.* a living being, especially an animal
78. ev\_\_\_e *v.* to develop gradually, or to cause the development of something or someone gradually
79. syn\_\_\_\_\_ze molecules *v.* to combine a substance to make a more complex product or compound

ANSWERS: 70. rainforest, 71. scarce, 72. unfold, 73. climate, 74. desert, 75. exposure, 76. anhydrobiosis, 77. creature, 78. evolve, 79. synthesize



80. st\_\_\_\_\_ze prices *v.* to become or cause to become steady or unlikely to give way
81. complex bio\_\_\_\_\_al *adj.* relating to the chemical processes and substances that occur within living organisms
82. the inland of a co\_\_\_\_\_nt *n.* one of the earth's large landmasses; (adjective) abstaining from your feelings, especially your desire to have sex
83. ext\_\_\_\_\_ary weather *adj.* exceptional, unexpected, very unusual; surpassing the ordinary or usual
84. c\_\_p herbicide *n.* a plant that is cultivated in large amounts, particularly for food
85. oasis in the de\_\_\_\_t *n.* arid land with little or no vegetation often covered with sand or rocks
86. effects of cl\_\_\_\_\_e change *n.* the weather in a particular location averaged over some long period
87. harmless ba\_\_\_\_\_ia *n.* single-celled or noncellular spherical or spiral or rod-shaped organisms that exist in large numbers in the air, water, and soil, and also in living and dead creatures and plants, and are often a cause of disease
88. human ev\_\_\_\_\_on *n.* a gradual process of transformation of living things
89. electromagnetic 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

ANSWERS: 80. stabilize, 81. biochemical, 82. continent, 83. extraordinary, 84. crop, 85. desert, 86. climate, 87. bacteria, 88. evolution, 89. radiation

90. f\_\_e blows *n.* a small part in an electrical device or machinery that can interrupt the flow of electrical current when it is overloaded; (verb) to become plastic or fluid or liquefied from heat
91. an or\_\_\_\_ry school *adj.* not different, exceptional, or unexpected in any way, especially in quality, ability, size, or degree
92. a c\_\_e to the diagnosis *n.* an object, a piece of evidence, or some information that helps someone to find the answer to a problem, question, or mystery
93. c\_\_l around street corners *v.* to form or make something form into a curved or spiral shape; (noun) a round shape formed by a series of concentric circles
94. 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
95. pr\_\_\_\_g the agony *v.* to extend the duration or length of something, particularly a period of time or an event
96. 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
97. to\_\_\_\_nt of his failure *adj.* accepting different views, beliefs, or practices without judgment or interference

ANSWERS: 90. fuse, 91. ordinary, 92. clue, 93. curl, 94. develop, 95. prolong, 96. radiation, 97. tolerant

98. stress pr\_\_\_\_\_n *n.* a molecule made up of a long chain of amino acids, which is essential for the structure and function of the body's tissues
99. pr\_\_\_\_\_n synthesis *n.* a molecule made up of a long chain of amino acids, which is essential for the structure and function of the body's tissues
100. artificial cr\_\_\_\_\_re *n.* a living being, especially an animal
101. f\_\_m grip *adj.* resolute or unwavering in decision-making or action; strong or secure in structure, make, or composition; reliable, trustworthy, or dependable; (noun) a business or company
102. sp\_\_\_\_\_te on the outcome *v.* to form a theory or conjecture or guess about a subject without solid evidence
103. t\_\_p an animal *n.* a piece of equipment or hole for catching animals or people; (verb) to catch animals or people and prevent them from escaping
104. sp\_\_\_\_\_te about the reason *v.* to form a theory or conjecture or guess about a subject without solid evidence
105. chewing g\_m *n.* a soft, sticky substance that is chewed to freshen the breath or to clean the teeth; the flesh that surrounds the teeth in the mouth
106. hy\_\_\_\_\_e my skin *v.* to add water or moisture to something; to drink enough fluids to maintain proper moisture; (noun) any compound that contains water of crystallization

ANSWERS: 98. protein, 99. protein, 100. creature, 101. firm, 102. speculate, 103. trap, 104. speculate, 105. gum, 106. hydrate

107. wi\_\_\_\_\_nd pressure      *v.* to resist the effect or impact of something
108. er\_\_\_\_\_us decision      *adj.* containing errors; mistaken or incorrect; based on faulty reasoning or information
109. bubble g\_m      *n.* a soft, sticky substance that is chewed to freshen the breath or to clean the teeth; the flesh that surrounds the teeth in the mouth
110. se\_\_\_\_\_ve documents      *adj.* able to notice slight changes, signals, or influences; able to feel or perceive other's feelings; susceptible to the things people say or do
111. sa\_\_\_\_\_rd my property      *v.* to protect something or someone from harm, damage, or loss
112. the p\_\_k current in the circuit      *n.* the point to which something or someone is at its strongest, best, or most successful; the pointed top of a mountain
113. er\_\_\_\_\_us information      *adj.* containing errors; mistaken or incorrect; based on faulty reasoning or information
114. ch\_\_\_y cheeks      *adj.* having a plump or rounded body shape, often used to describe children or pets
115. ch\_\_\_y arms      *adj.* having a plump or rounded body shape, often used to describe children or pets
116. fun\_\_\_\_\_al deafness      *adj.* designed for or capable of a particular activity, purpose, or task; practical or ready for use or service

ANSWERS: 107. withstand, 108. erroneous, 109. gum, 110. sensitive, 111. safeguard, 112. peak, 113. erroneous, 114. chubby, 115. chubby, 116. functional

117. di\_\_\_\_ve the sugar      *v.* to be or cause to be absorbed by a liquid to form a part of the solution; to close down or dismiss
118. ext\_\_\_\_\_ial planet      *adj.* relating to or existing outside of the Earth's atmosphere or planetary boundaries; pertaining to beings or phenomena that originate from beyond the Earth
119. ex\_\_\_\_e sports      *adj.* very great in amount or degree
120. a te\_\_\_\_\_ue in martial arts      *n.* a particular way or art of doing something that needs skill
121. anh\_\_\_\_\_sis in plants      *n.* a state of suspended animation or extreme desiccation in certain organisms where they can withstand prolonged periods of extreme dryness, appearing dead, and then revive when provided with water
122. at p\_\_k hour      *n.* the point to which something or someone is at its strongest, best, or most successful; the pointed top of a mountain
123. sa\_\_\_\_\_rd environmental quality      *v.* to protect something or someone from harm, damage, or loss
124. da\_\_\_e a relationship      *v.* to harm or cause injury to something or someone, often resulting in decreased value or functionality; to impair or negatively affect something, such as a reputation or relationship; (noun) harm or injury that is caused to a person, thing, or entity

ANSWERS: 117. dissolve, 118. extraterrestrial, 119. extreme, 120. technique, 121. anhydrobiosis, 122. peak, 123. safeguard, 124. damage

125. ha\_\_y plants *adj.* able to withstand harsh conditions or difficult circumstances; robust, sturdy, or resilient
126. as\_\_\_\_\_ut mission *n.* a person trained by a space agency to travel outside the Earth's atmosphere
127. cell and molecular bi\_\_\_\_\_y *n.* the scientific study of life and the natural processes of living things
128. st\_\_\_\_\_ze blood sugar levels *v.* to become or cause to become steady or unlikely to give way
129. severe cr\_\_\_\_c *n.* someone who expresses opinions about the quality of books, music, etc.
130. green m\_\_s *n.* a small, soft plant that grows in a low, compact layer, often on the ground or on rocks
131. re\_\_\_\_\_nt population *adj.* able to withstand or recover quickly from difficult conditions
132. syn\_\_\_\_\_ze information *v.* to combine a substance to make a more complex product or compound
133. res\_\_\_\_\_on on trade *n.* a limitation or constraint placed on something, or the act of limiting or constraining something
134. bio\_\_\_\_\_al reaction *adj.* relating to the chemical processes and substances that occur within living organisms
135. nuclear me\_\_\_\_\_ne *n.* a soft, thin layer that forms animal or vegetable tissue
136. small mo\_\_\_\_\_les *n.* a group of two or more atoms held together by attractive forces known as chemical bonds

ANSWERS: 125. hardy, 126. astronaut, 127. biology, 128. stabilize, 129. critic, 130. moss, 131. resilient, 132. synthesize, 133. restriction, 134. biochemical, 135. membrane, 136. molecule

137. electron mic\_\_\_\_\_pe *n.* an instrument used to see objects or substances that are too small to be seen with the naked eye
138. to \_\_\_\_\_te ambiguity *v.* to allow something to exist or happen, even if it is disliked or opposed
139. 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
140. a to\_\_\_\_\_nt teacher *adj.* accepting different views, beliefs, or practices without judgment or interference
141. re\_\_\_\_\_e a phone *v.* to take the place of something
142. or\_\_\_\_\_n of information *n.* the first existence or beginning of something
143. test my pa\_\_\_\_\_ce *n.* the ability to remain calm and composed in the face of adversity, delay, or frustration; the capacity to tolerate or endure difficult or unpleasant situations without becoming upset or angry
144. nutritional res\_\_\_\_\_on *n.* a limitation or constraint placed on something, or the act of limiting or constraining something
145. su\_\_\_\_\_e a plane crash *v.* to live or exist despite a dangerous event or period

ANSWERS: 137. microscope, 138. tolerate, 139. process, 140. tolerant, 141. replace, 142. origin, 143. patience, 144. restriction, 145. survive

146. to \_\_\_\_te his disrespectful behavior     *v.*    to allow something to exist or happen, even if it is disliked or opposed
147. ext \_\_\_\_\_ary ability                     *adj.*    exceptional, unexpected, very unusual; surpassing the ordinary or usual
148. f\_\_e with one another                         *n.*      a small part in an electrical device or machinery that can interrupt the flow of electrical current when it is overloaded; (verb) to become plastic or fluid or liquefied from heat

ANSWERS: 146. tolerate, 147. extraordinary, 148. fuse



## Session 3: Fill in the Blanks

1. The \_\_\_\_\_ on the old tree bark was thick and lush, a sign of a healthy ecosystem.
  - n.* a composite organism consisting of a symbiotic relationship between a fungus and an alga or cyanobacterium
  
2. 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
  
3. The long \_\_\_\_\_ to the air tarnished the antique tableware.
  - n.* the state of being in a particular situation or place where there is no protection from or guarantee to something harmful; the disclosure of something secret
  
4. The mobile phone was still \_\_\_\_\_ even after being dropped.
  - adj.* designed for or capable of a particular activity, purpose, or task; practical or ready for use or service
  
5. The deep sea \_\_\_\_\_ was unlike anything the scientists had ever seen before.
  - n.* a living being, especially an animal
  
6. \_\_\_\_\_ and weather have an impact on every part of our lifestyles.
  - n.* the weather in a particular location averaged over some long period
  
7. He has a short \_\_\_\_\_.
  - n.* a small part in an electrical device or machinery that can interrupt the flow of electrical current when it is overloaded; (verb) to become plastic or fluid or liquefied from heat

ANSWERS: 1. lichen, 2. molecule, 3. exposure, 4. functional, 5. creature, 6. Climate, 7. fuse

8. He \_\_\_\_\_ that this investment would lead to success.
- v. to form a theory or conjecture or guess about a subject without solid evidence
9. During the surgery, the doctor had to be extremely cautious not to \_\_\_\_\_ a blood vessel.
- v. to harm or cause injury to something or someone, often resulting in decreased value or functionality; to impair or negatively affect something, such as a reputation or relationship; (noun) harm or injury that is caused to a person, thing, or entity
10. The spider can \_\_\_\_\_ multiple different silk proteins.
- v. to combine a substance to make a more complex product or compound
11. \_\_\_\_\_ prevalent in hospitals are often resistant to antibiotics.
- n. single-celled or noncellular spherical or spiral or rod-shaped organisms that exist in large numbers in the air, water, and soil, and also in living and dead creatures and plants, and are often a cause of disease
12. The study of \_\_\_\_\_ is important for understanding the origins of life on Earth
- n. a group of single-celled microorganisms distinguished from bacteria by their unique cell wall structure and biochemical characteristics, which are found in extreme environments such as hot springs and salt flats
13. They study the \_\_\_\_\_ of the universe.
- n. a gradual process of transformation of living things
14. The \_\_\_\_\_ construction workers worked tirelessly in the scorching heat to complete the project.
- adj. able to withstand harsh conditions or difficult circumstances; robust, sturdy, or resilient

ANSWERS: 8. speculated, 9. damage, 10. synthesize, 11. Bacteria, 12. archaea, 13. evolution, 14. hardy

15. The body needs a certain amount of \_\_\_\_\_ to build and repair tissues.
- n.* a molecule made up of a long chain of amino acids, which is essential for the structure and function of the body's tissues
16. 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
17. Eventually, the new design will \_\_\_\_\_ all older models.
- v.* to take the place of something
18. Fresh water is becoming increasingly \_\_\_\_\_ in many parts of the world.
- adj.* not abundant or plentiful, and therefore not easy to find or obtain
19. 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
20. Scientists are constantly searching for signs of \_\_\_\_\_ life in the universe.
- adj.* relating to or existing outside of the Earth's atmosphere or planetary boundaries; pertaining to beings or phenomena that originate from beyond the Earth
21. Mercury is the closest \_\_\_\_\_ to the sun.
- n.* any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star

ANSWERS: 15. protein, 16. develop, 17. replace, 18. scarce, 19. environment, 20. extraterrestrial, 21. planet

22. 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
23. The \_\_\_\_\_ toddler waddled around the park, laughing and playing.
- adj.* having a plump or rounded body shape, often used to describe children or pets
24. The \_\_\_\_\_ of numbers on the spreadsheet allowed the accountant to track the company's profits and losses easily.
- n.* a rectangular array of numbers, symbols, or expressions, arranged in rows and columns and often enclosed in brackets; an enclosure within which something originates or develops
25. This region is predominantly \_\_\_\_\_.
- n.* arid land with little or no vegetation often covered with sand or rocks
26. The cat \_\_\_\_\_ into a ball and went to sleep.
- v.* to form or make something form into a curved or spiral shape; (noun) a round shape formed by a series of concentric circles
27. The political party \_\_\_\_\_ after much internal fighting.
- v.* to be or cause to be absorbed by a liquid to form a part of the solution; to close down or dismiss
28. Jockey's superior \_\_\_\_\_ brought him victory.
- n.* a particular way or art of doing something that needs skill
29. Sow early for an early \_\_\_\_\_.
- n.* a plant that is cultivated in large amounts, particularly for food

ANSWERS: 22. process, 23. chubby, 24. matrix, 25. desert, 26. curled, 27. dissolved, 28. technique, 29. crop

30. We need to \_\_\_\_\_ the meeting for another hour to discuss all the issues.  
*v.* to extend the duration or length of something, particularly a period of time or an event
31. The new phone is waterproof and can \_\_\_\_\_ being dropped in water.  
*v.* to resist the effect or impact of something
32. I can't \_\_\_\_\_ spicy food, and it always gives me heartburn  
*v.* to allow something to exist or happen, even if it is disliked or opposed
33. New York is a city with a \_\_\_\_\_ ethnic population.  
*adj.* including numerous categories of individuals or entities; various
34. \_\_\_\_\_ 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
35. Scientists have studied the resilience of the \_\_\_\_\_ also known as a water bear.  
*n.* a microscopic, water-dwelling animal that is known for its resilience and ability to survive extreme conditions
36. The report contained several \_\_\_\_\_ statements that needed to be corrected.  
*adj.* containing errors; mistaken or incorrect; based on faulty reasoning or information
37. The mystery \_\_\_\_\_ as the detectives gathered more clues.  
*v.* to open up or spread out something that is folded or rolled up; to reveal or disclose something that was previously hidden or unknown

ANSWERS: 30. prolong, 31. withstand, 32. tolerate, 33. diverse, 34. Biochemical, 35. tardigrade, 36. erroneous, 37. unfolded

38. Some bacteria, yeast, and plants can enter a state of \_\_\_\_\_ to endure harsh conditions.
- n.* a state of suspended animation or extreme desiccation in certain organisms where they can withstand prolonged periods of extreme dryness, appearing dead, and then revive when provided with water
39. I always like having a pack of \_\_\_\_ to freshen my breath.
- n.* a soft, sticky substance that is chewed to freshen the breath or to clean the teeth; the flesh that surrounds the teeth in the mouth
40. 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
41. The enemy fell right into the \_\_\_\_\_.
- n.* a piece of equipment or hole for catching animals or people; (verb) to catch animals or people and prevent them from escaping
42. The shuttle \_\_\_\_\_ trained for months before embarking on the space mission.
- n.* a person trained by a space agency to travel outside the Earth's atmosphere
43. The teacher is very \_\_\_\_\_ to children's feelings.
- adj.* able to notice slight changes, signals, or influences; able to feel or perceive other's feelings; susceptible to the things people say or do
44. Eyeless fish \_\_\_\_\_ in dark caves.
- v.* to develop gradually, or to cause the development of something or someone gradually

ANSWERS: 38. anhydrobiosis, 39. gum, 40. component, 41. trap, 42. astronaut, 43. sensitive, 44. evolved

45. He narrated the \_\_\_\_\_ story of his adventure.

*adj.* exceptional, unexpected, very unusual; surpassing the ordinary or usual

46. This measurement aims to reduce traffic at \_\_\_\_\_ periods.

*n.* the point to which something or someone is at its strongest, best, or most successful; the pointed top of a mountain

47. The \_\_\_\_\_ deadline for submitting the project is tomorrow, so we need to work efficiently to finish on time.

*adj.* resolute or unwavering in decision-making or action; strong or secure in structure, make, or composition; reliable, trustworthy, or dependable; (noun) a business or company

48. Advocates for legal reform hear less harsh words from their \_\_\_\_\_.

*n.* someone who expresses opinions about the quality of books, music, etc.

49. There are various hypotheses concerning the \_\_\_\_\_ of life.

*n.* the first existence or beginning of something

50. Loud noises might harm the fragile ear \_\_\_\_\_.

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

51. The \_\_\_\_\_ session of the Diet opened.

*adj.* not different, exceptional, or unexpected in any way, especially in quality, ability, size, or degree

52. The raising of interest rates \_\_\_\_\_ the inflation rate.

*v.* to become or cause to become steady or unlikely to give way

ANSWERS: 45. extraordinary, 46. peak, 47. firm, 48. critics, 49. origin, 50. membrane, 51. ordinary, 52. stabilizes

53. Flight across the \_\_\_\_\_ was a daring adventure in its day.  
*n.* one of the earth's large landmasses; (adjective) abstaining from your feelings, especially your desire to have sex
54. Better sleep leads to increased \_\_\_\_\_.  
*n.* the set of chemical reactions in cells or organisms that are necessary for life-sustaining
55. 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
56. The \_\_\_\_\_ on travel during the pandemic made it difficult for people to see their loved ones.  
*n.* a limitation or constraint placed on something, or the act of limiting or constraining something
57. \_\_\_\_\_ grows in damp, shaded areas and is often found on the forest floor.  
*n.* a small, soft plant that grows in a low, compact layer, often on the ground or on rocks
58. He is a good-natured and \_\_\_\_\_ man.  
*adj.* friendly and generous to visitors or guests
59. Please use the \_\_\_\_\_ to clean up the mess on the floor.  
*n.* a space empty of matter; a device or tool used for cleaning or removing debris by creating suction
60. I used an optical \_\_\_\_\_ to observe the small organisms in the water sample.  
*n.* an instrument used to see objects or substances that are too small to be seen with the naked eye

ANSWERS: 53. continent, 54. metabolism, 55. radiation, 56. restriction, 57. Moss, 58. hospitable, 59. vacuum, 60. microscope



61. Solar gravity creates \_\_\_\_\_ pressures and temperatures.

*adj.* very great in amount or degree

62. These birds can only \_\_\_\_\_ in temperate climates.

*v.* to live or exist despite a dangerous event or period

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

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

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

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

65. The destruction of the \_\_\_\_\_ is a ticking time bomb for the Earth.

*n.* a forest rich in biodiversity that is generally found in tropical settings with heavy annual rainfall

66. She drank water to \_\_\_\_\_ her body.

*v.* to add water or moisture to something; to drink enough fluids to maintain proper moisture; (noun) any compound that contains water of crystallization

67. The mRNA \_\_\_\_\_ was approved in less than a year because it did not contain the fragments of the target virus.

*n.* a substance that is put into the body and protects them from disease by causing them to produce antibodies (= proteins that attack harmful bacteria, viruses, etc.)

68. The rainforest is one of the most diverse \_\_\_\_\_ on the planet.

*n.* a major ecological community characterized by particular plant and animal species adapted to a specific climate and geographic region, such as desert, tundra, or rainforest

ANSWERS: 61. extreme, 62. survive, 63. biology, 64. discovery, 65. rainforest, 66. hydrate, 67. vaccine, 68. biomes

69. She is a \_\_\_\_\_ person and has always bounced back from setbacks.

*adj.* able to withstand or recover quickly from difficult conditions

70. She was known for her \_\_\_\_\_ attitude toward different cultures.

*adj.* accepting different views, beliefs, or practices without judgment or interference

71. 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

72. Healing a broken heart requires \_\_\_\_\_ as it takes time to heal.

*n.* the ability to remain calm and composed in the face of adversity, delay, or frustration; the capacity to tolerate or endure difficult or unpleasant situations without becoming upset or angry

73. The police couldn't find a \_\_\_\_\_ to her whereabouts.

*n.* an object, a piece of evidence, or some information that helps someone to find the answer to a problem, question, or mystery

74. This measure will \_\_\_\_\_ people against terrorism.

*v.* to protect something or someone from harm, damage, or loss

ANSWERS: 69. resilient, 70. tolerant, 71. reaction, 72. patience, 73. clue, 74. safeguard