

# Englist.me



## Vocabulary Builder Reference from...

*Dan Knights: How we study the microbes living in your gut | TED Talk*

[https://www.ted.com/talks/dan\\_knights\\_how\\_we\\_study\\_the\\_microbes\\_living\\_in\\_your\\_gut](https://www.ted.com/talks/dan_knights_how_we_study_the_microbes_living_in_your_gut)

### All Words

#### IMPORTANT

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## Session 1: Word List

### microbe

*n.* a tiny living thing that can only be seen with a microscope and that may cause disease

*synonym*: germ, microorganism, bacterium

(1) pathogenic **microbe**, (2) **microbes** sterilizer

**Microbes** thrive on the surface of the human skin.

### gut

*n.* the long tube in the body of a person or animal through which food passes when it leaves the stomach; the mental strength or bravery required to do something difficult or unpleasant

*synonym*: belly, abdomen, courage

(1) the blind **gut**, (2) **gut** feelings

He told me a **gut-wrenching** truth about my parent's death.

### coli

*n.* a bacterium of the genus *Escherichia* that is commonly found in the human gut and is used as a model organism in molecular biology and biochemistry

(1) *E. coli* bacteria strain, (2) **coli** cells

The study of *Escherichia coli* has led to important advancements in areas such as antibiotic resistance, gut microbiome, and synthetic biology.

## outnumber

v. to be more numerous or greater in number than another group or entity; to exceed in quantity or number

*synonym*: surpass, exceed

(1) **outnumber** our opponents, (2) **outnumber** males

The number of tourists in the city now **outnumbers** the locals.

## dominate

v. to have or control a lot of power and influence over somebody or something

*synonym*: govern, rule, prevail

(1) **dominate** possession, (2) **dominate** over the weak

The perspective of his right brain **dominates** his consciousness.

## modern

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

*synonym*: contemporary, stylish, current

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

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

## trillion

*n.* the number 1,000,000,000,000; a million million

(1) **trillion** cubic feet, (2) many **trillions** of dollars

One light year is nearly 6 **trillion** miles.

## microbiome

*n.* the community of microorganisms (= living things too small to be seen) that can usually be found living together in any given environment or the human body

*synonym*: flora

(1) skin **microbiome**, (2) have a diverse **microbiome**

The gut **microbiome** is a major producer of serotonin, which is necessary for human mental stability.

## universe

*n.* everything that exists, especially all physical matter, including planets, stars, galaxies, and all other forms of matter and energy

*synonym*: cosmos, macrocosm

(1) theory of the **universe**, (2) expansion of the **universe**

The **universe** is about 13.8 billion years old.

## blade

*n.* the flat part of a knife, weapon, or machine with a very thin edge used for cutting

*synonym*: knife, sword, cutter

(1) a **blade** of grass, (2) the **blade** of a turbine

The **blade** of the katana itself is still in excellent condition.

## 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.

## 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.

## adapt

*v.* to make fit for or change to suit a new purpose or environment

*synonym*: adjust, acclimate, accustom

(1) **adapt** fully to the environment, (2) **adapt** as needed

I advised him to **adapt** to his new surroundings.

## norm

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

*synonym*: criterion, mean, standard

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

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

## 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.

## relate

*v.* to establish a connection or association between two or more things; to narrate or tell about an event, experience, or relationship; to empathize or feel sympathy with someone or something

*synonym* : connect, link, associate

(1) **relate** a story, (2) **relate** a message

He tried to **relate** his experience to the group, but they couldn't understand.

## skyrocket

*v.* to rapidly ascend to a very high level; increase rapidly;

*synonym* : rocket, soar, shoot up

(1) **skyrocket** the cost, (2) price **skyrocketed**

Production has decreased, but costs and unemployment have **skyrocketed** dramatically.

## 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.

## nation

*n.* a large organized community of people living in a particular country or region and having a particular culture

*synonym* : country, state, sovereign entity

(1) **nation-state**, (2) a seafaring **nation**

The **nation** of Japan is known for its unique culture and advanced technology.

## 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.

## obesity

*n.* the condition of being significantly overweight, typically defined as having a body mass index (BMI) of 30 or greater.

*synonym*: overweight, corpulence, fattiness

(1) **obesity-related** diseases, (2) suffer from **obesity**

The prevalence of **obesity** has increased significantly in recent years.

## diabetes

*n.* a medical condition in which the body cannot produce enough insulin to control the glucose levels in the blood

(1) juvenile **diabetes**, (2) **diabetes** patient

My father was tested for **diabetes**.

## ulcer

*n.* a sore or erosion in the skin or mucous membrane, often caused by infection or inflammation; a persistent, painful cavity in the stomach or intestinal wall that can lead to digestive problems

*synonym*: lesion, sore, wound

(1) mouth **ulcer**, (2) gastric **ulcer**

The stress of the job caused him to develop an **ulcer** in his stomach.

## colitis

*n.* inflammation of the colon; a condition that results in diarrhea, abdominal pain, and cramping

*synonym*: colon infection, bowel disease

(1) acute **colitis**, (2) chronic **colitis**

Ulcerative **colitis** is an inflammatory bowel disease that can cause severe discomfort and requires long-term management.

## allergy

*n.* a hypersensitivity disorder of the immune system, characterized by an exaggerated response to certain allergens, such as pollens, foods, and drugs

*synonym*: hypersensitivity, reaction

(1) food **allergy**, (2) **allergy** treatment

The **allergy** test helped to determine the cause of her symptoms.

## asthma

*n.* a chronic respiratory disease characterized by wheezing, coughing, and difficulty breathing

*synonym*: bronchial, bronchitis, respiratory ailment

(1) **asthma** attack, (2) **asthma** symptoms

He always had to carry an inhaler due to his severe **asthma**.

## 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**.

## autoimmune

*adj.* relating to a condition in which the body's immune system attacks and destroys healthy body tissue, mistaking it for harmful foreign substances

(1) insulin **autoimmune** syndrome, (2) **autoimmune** disorder

The presence of certain substances triggered the **autoimmune** response.

## diversity

*n.* the quality or fact of many different types of things or people being included in something; a range of different things or people

*synonym*: variety, multiplicity, variousness

(1) the **diversity** policy of the university, (2) lingual **diversity**

He was impressed by the range and **diversity** of the

collection.

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

*synonym*: workshop, laboratory, research chamber

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

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

**indication** *n.* a sign or remark that something exists, is real, or is likely to occur

*synonym*: clue, hint, inkling

(1) **indication** of inflation, (2) environmental **indication**

Faces are a good **indication** of age.

**primate** *n.* any mammal of the order Primates, which includes monkeys, apes, and humans

*synonym*: ape, monkey, lemur

(1) **primate** species, (2) **primate** sanctuary

Many scientists study **primate** behavior and intelligence.

**jungle** *n.* an area of tropical forest where in which trees and plants grow very thickly

*synonym*: wilderness, forest

(1) middle of the **jungle**, (2) **jungle** exploration

This village is still in a dense **jungle**.

**bug** *n.* any tiny insect; a fault or defect in a computer program, system, or machine

*synonym*: insect, bacterium, microbe

(1) **bug** bites, (2) number of **bug** fixes

I found a stink **bug** crawling across the ceiling.

**doe** *n.* a mature female of mammals of which the male is called a buck, such as a deer or a rabbit

*synonym*: rabbit, bunny, hare

(1) **doe** rabbit, (2) buck and **doe**

Hunters use a whistle that makes the **doe** sound to lure stags.

## sequence

*n.* a series of related events, actions, numbers, etc., which have a particular order

*synonym*: arrangement, succession, series

(1) the **sequence** of the seasons, (2) the DNA **sequence**

We do move forward with those tasks in **sequence** next week.

## stool

*n.* a seat without a back or arms, typically used by one person; a piece of furniture with a flat top supported by one or more legs, used for working at or eating from; a piece of feces excreted from the body

*synonym*: seat, chair, feces

(1) **stool** seat, (2) **stool** analysis

The doctor asked me to provide a **stool** sample for testing.

## fingerprint

*n.* a unique pattern of ridges and valleys on the surface of a finger that can be used to identify a person

*synonym*: print, mark, impression

(1) **fingerprint** at a crime scene, (2) **fingerprint** identification

The police used a **fingerprint** scanner to identify the suspect.

## acquire

*v.* to buy or obtain something such as an asset, object, knowledge, etc., for oneself

*synonym*: attain, earn, catch

(1) **acquire** knowledge, (2) **acquire** a new company

Children **acquire** language at a fantastic rate.

## lush

*adj.* produced or growing in extreme abundance, often in an attractive way; having strong sexual appeal

*synonym*: leafy, overgrown, dense

(1) **lush** and fertile land, (2) the abundance of **lush** vegetation

This area has an environment of **lush** greenery and water



courses.

## **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.

## **gutsy**

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

*synonym*: courageous, brave, daring

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

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

## **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.

## **captivity**

*n.* the situation in which a person or animal is kept in prison or a space that they cannot escape from

*synonym*: confinement, detention, imprisonment

(1) escape from **captivity**, (2) animals in **captivity** in the zoo

Pandas rarely breed in **captivity**.

## **meantime**

*n.* the interval or period of time between two events; the interim or temporary time period between two actions or stages of something else

*synonym*: interim, meanwhile, lag

(1) **meantime** report, (2) for the **meantime**

In the **meantime**, while we wait for the results, let's start working on the next project.

## enteritis

*n.* inflammation of the small intestine, often caused by infection, food poisoning, or other factors

*synonym* : colitis, enterocolitis

(1) bacterial **enteritis**, (2) viral **enteritis**

After consuming contaminated food, she developed **enteritis** and severe abdominal pain.

## diarrhea

*n.* a common digestive disorder with the frequent passage of loose, watery stools that can be caused by various factors such as infections, food poisoning, and certain medications

*synonym* : looseness, gastroenteritis, dysentery

(1) **diarrhea-related** dehydration, (2) **diarrhea** with abdominal pain

I had a terrible case of **diarrhea** and couldn't stop going to the bathroom.

## bloat

*v.* to become swollen, distended, or inflated, especially in an unpleasant way; (noun) a condition in which the abdomen becomes swollen or distended with gas or fluid

*synonym* : swell, blow up, inflate

(1) **bloat** with pride, (2) **bloat** government spending

He noticed that the snack food bag was **bloating** near the top of the mountain.

## visualize

*v.* to form a mental image or concept of something; to make something visible

*synonym* : imagine, picture, envision

(1) **visualize** data, (2) **visualize** flying through space

She tried to **visualize** the layout of the new house in her mind.

## variation

*n.* the act or state of changing; a difference or change in the way something is done, made or said

*synonym* : fluctuation, change, variation

(1) **variation** of temperature, (2) gene **variation**

There is a lot of **variation** in the colors of flowers in the garden.

## ecology

*n.* the study of the relationships between living organisms, including humans, and their physical environment

(1) science of **ecology**, (2) the **ecology** of the island

Many companies are now enthusiastically embracing the knowledge of **ecology** for sustainable development.

## axis

*n.* a real or imaginary straight line through a body or figure around which the object turns; a group of countries in special alliance

*synonym*: central, core, pole

(1) vertical **axis**, (2) a coordinate **axis**

The earth's **axis** of rotation is tilted 66.5 degrees to the ecliptic plane.

## distance

*n.* the amount of space between two points, measured in units such as miles, meters, or kilometers; the extent, scope, or range between two things, such as distance or emotional distance

*synonym*: space, gap, span

(1) driving **distance**, (2) social **distance**

The marathon runner covered a long **distance** in a short amount of time.

## plot

*n.* a secret plan or scheme to achieve a specific goal; the plan or main story of a literary work; (verb) to plan secretly, usually something illegal

*synonym*: scheme, plan, design

(1) **plot** twist, (2) **plot** a revolution

The **plot** of the novel centers around a group of friends who uncover a conspiracy to control the world's water supply.

## represent

*v.* to speak, act, or be present on behalf of another person or group; to form or constitute

*synonym*: depict, express, describe

(1) **represent** by a diagram, (2) the characters that **represent** numbers

We elected him to **represent** us at the international conference.

## endangered

*adj.* at risk of extinction because it is facing significant threats

*synonym* : at risk, threatened, vulnerable

(1) **endangered** species, (2) **endangered** ecosystem

The government has implemented policies to protect the habitat of **endangered** animals.

## shank

*n.* the lower part of the leg, between the knee and ankle; a straight or curved part of a tool or utensil that is used to grip, hold, or apply pressure

*synonym* : leg, stem, shaft

(1) **shank** steak, (2) golf **shank**

The **shank** of the hammer broke while he was trying to dislodge a nail.

## converge

*v.* to move or draw together at a specific location; (of lines) to move towards the same point where they join or meet

*synonym* : congregate, assemble, concentrate

(1) **converge** of a series, (2) **converge** from different points

The two rivers **converge** into one near this area.

## 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.

## geography

*n.* a field of science devoted to the study of the lands, features, inhabitants, and phenomena of the Earth

*synonym* : landscape, terrain, topography

(1) **geography** class, (2) economic **geography**

She did well on her **geography** exam.

**diet** *n.* the food and drink that a person, animal, or community eats and drinks regularly; a legislative assembly in certain countries, for example, Japan  
*synonym* : food, dietary  
(1) eat a vegetarian **diet**, (2) **Diet** approval  
A balanced **diet** is more important for health than supplements.

**divergent** *adj.* different or becoming different from another or a standard; tending to move apart in different directions  
*synonym* : differing, disparate, atypical  
(1) follow a **divergent** path, (2) wildly **divergent** results  
The prime minister had to reconcile **divergent** opinions on controversial issues like abortion.

**survival** *n.* the state of continuing to exist or live, frequently in the face of difficulty or danger  
*synonym* : endurance, continuity  
(1) **survival** ability, (2) **survival** food  
He evaluated his chances for **survival** rather pessimistically.

**obvious** *adj.* easy to see, discover or understand  
*synonym* : apparent, conspicuous, evident  
(1) **obvious** reasons, (2) his conclusion was **obvious**  
There are **obvious** differences between the two wine-producing regions.

**premature** *adj.* occurring or done too early; happening before the appropriate time; born before the end of a full-term pregnancy  
*synonym* : prematurely born, untimely, early  
(1) **premature** birth, (2) **premature** death  
The **premature** baby was small but healthy.

## frequent

*adj.* happening constantly

*synonym* : periodic, recurring, routine

(1) **frequent** absence, (2) **frequent** use

His heartaches are less **frequent** now.

## immigrant

*n.* a person who has come to a country where they were not born to live there permanently

*synonym* : settler, expatriate, emigrant

(1) **immigrant** communities, (2) an **immigrant** from the country

Police received a report of illegal **immigrants** in the area.

## refugee

*n.* a displaced person who has crossed national borders and who cannot or is unwilling to return home due to political, religious, or economic reasons or because of a war

*synonym* : emigrant, evacuee, exile

(1) global **refugee** crisis, (2) the **refugee** camp

The community warmly welcomed the **refugees**.

## discuss

*v.* to talk about or examine in detail through conversation or debate; to exchange ideas, opinions, or information on a particular topic

*synonym* : talk about, converse, debate

(1) **discuss** options, (2) **discuss** solutions

We need to **discuss** the next steps for the project during our meeting tomorrow.

## communal

*adj.* belonging to or used by a group rather than individuals; for common use

*synonym* : collaborative, combined, collective

(1) **communal** swimming pool, (2) **communal** combination of funds

**Communal** elections were held in several European countries.

## clinician

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

*synonym* : psychiatrist, therapist, doctor

(1) experienced **clinician**, (2) from a **clinician's** perspective

Some **clinicians** believe that psychological characteristics alone may cause mental disorders.

## fraction

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

*synonym* : piece, part, fragment

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

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

## obese

*adj.* excessively overweight, particularly to the point of being a serious health risk; having a body mass index (BMI) of 30 or more

*synonym* : overweight, corpulent, plump

(1) **obese** individuals, (2) **obese** children

The doctor warned him that his **obese** condition put him at risk for numerous health problems.

## sufficient

*adj.* adequate; enough for a particular purpose or requirement

*synonym* : acceptable, ample, satisfactory

(1) **sufficient** time, (2) self- **sufficient** economy

That candidate does not have **sufficient** means to win an election with certainty.

## dramatic

*adj.* very sudden, very excellent, or full of action and excitement

*synonym* : striking, theatrical, breathtaking

(1) make **dramatic** changes, (2) a **dramatic** rescue at sea

The statement had a **dramatic** impact on house prices.

## combine

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

*synonym* : coalesce, cohere, blend

(1) **combine** chemically with another substance,  
(2) **combine** augmented reality  
Hydrogen and oxygen **combine** to form water.

## genome

*n.* the complete set or sequence of genes of a human, animal, plant, or other living things  
(1) sequencing of the human **genome**, (2) **genome** analyses  
The human **genome** contains approximately three billion chemical base pairs.

## broad

*adj.* very wide; general  
*synonym*: wide, expansive, comprehensive  
(1) attract **broad** attention, (2) a **broad** mind  
He accumulated wealth across a **broad** spectrum of assets.

## preserve

*v.* to keep or maintain a particular quality, feature, etc., especially to prevent it from decaying, being damaged, or being destroyed  
*synonym*: conserve, care for, maintain  
(1) **preserve** my strength, (2) **preserve** a country's heritage  
They worked hard to **preserve** the nature of their native lands.

## asset

*n.* something or someone that is useful or valuable quality, skill, etc.; valuable property  
*synonym*: aid, resource, equity  
(1) frozen **assets**, (2) liquid **assets** of the company  
A sense of humor is an invaluable **asset** in this job.

## replenish

*v.* to fill something that had previously been emptied  
*synonym*: refill, reload, restock  
(1) **replenish** a reserve fund, (2) **replenish** my spirit  
Please **replenish** my glass with some more wine.



## Session 2: Spelling

1. b\_g bites *n.* any tiny insect; a fault or defect in a computer program, system, or machine
2. the re\_\_\_\_\_e camp *n.* a displaced person who has crossed national borders and who cannot or is unwilling to return home due to political, religious, or economic reasons or because of a war
3. bacterial en\_\_\_\_\_is *n.* inflammation of the small intestine, often caused by infection, food poisoning, or other factors
4. middle of the ju\_\_\_\_e *n.* an area of tropical forest where in which trees and plants grow very thickly
5. rai\_\_\_\_\_st destruction *n.* a forest rich in biodiversity that is generally found in tropical settings with heavy annual rainfall
6. mouth ul\_\_r *n.* a sore or erosion in the skin or mucous membrane, often caused by infection or inflammation; a persistent, painful cavity in the stomach or intestinal wall that can lead to digestive problems
7. end\_\_\_\_\_ed ecosystem *adj.* at risk of extinction because it is facing significant threats
8. 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
9. di\_\_\_\_\_ea-related dehydration *n.* a common digestive disorder with the frequent passage of loose, watery stools that can be caused by various factors such as infections, food poisoning, and certain medications

ANSWERS: 1. bug, 2. refugee, 3. enteritis, 4. jungle, 5. rainforest, 6. ulcer, 7. endangered, 8. continent, 9. diarrhea

10. na\_\_\_n-state *n.* a large organized community of people living in a particular country or region and having a particular culture
11. pr\_\_\_\_\_re birth *adj.* occurring or done too early; happening before the appropriate time; born before the end of a full-term pregnancy
12. fr\_\_\_\_\_nt use *adj.* happening constantly
13. pr\_\_\_\_\_ve my strength *v.* to keep or maintain a particular quality, feature, etc., especially to prevent it from decaying, being damaged, or being destroyed
14. a fr\_\_\_\_\_onal share of the vote *n.* a small part or item forming a piece of a whole; the quotient of two rational numbers
15. lingual di\_\_\_\_\_ty *n.* the quality or fact of many different types of things or people being included in something; a range of different things or people
16. p\_\_t a revolution *n.* a secret plan or scheme to achieve a specific goal; the plan or main story of a literary work; (verb) to plan secretly, usually something illegal
17. a seafaring na\_\_\_n *n.* a large organized community of people living in a particular country or region and having a particular culture
18. va\_\_\_\_\_on of temperature *n.* the act or state of changing; a difference or change in the way something is done, made or said
19. sequencing of the human ge\_\_\_e *n.* the complete set or sequence of genes of a human, animal, plant, or other living things

ANSWERS: 10. nation, 11. premature, 12. frequent, 13. preserve, 14. fraction, 15. diversity, 16. plot, 17. nation, 18. variation, 19. genome

20. re\_\_\_\_\_sh my spirit      *v.* to fill something that had previously been emptied
21. g\_t feelings      *n.* the long tube in the body of a person or animal through which food passes when it leaves the stomach; the mental strength or bravery required to do something difficult or unpleasant
22. su\_\_\_\_\_al food      *n.* the state of continuing to exist or live, frequently in the face of difficulty or danger
23. ou\_\_\_\_\_er males      *v.* to be more numerous or greater in number than another group or entity; to exceed in quantity or number
24. ad\_\_t fully to the environment      *v.* to make fit for or change to suit a new purpose or environment
25. ge\_\_\_\_\_hy class      *n.* a field of science devoted to the study of the lands, features, inhabitants, and phenomena of the Earth
26. st\_\_l seat      *n.* a seat without a back or arms, typically used by one person; a piece of furniture with a flat top supported by one or more legs, used for working at or eating from; a piece of feces excreted from the body
27. price sk\_\_\_\_\_eted      *v.* to rapidly ascend to a very high level; increase rapidly;
28. d\_e rabbit      *n.* a mature female of mammals of which the male is called a buck, such as a deer or a rabbit
29. buck and d\_e      *n.* a mature female of mammals of which the male is called a buck, such as a deer or a rabbit

ANSWERS: 20. replenish, 21. gut, 22. survival, 23. outnumber, 24. adapt, 25. geography, 26. stool, 27. skyrocket, 28. doe, 29. doe

30. the DNA se\_\_\_\_\_ce *n.* a series of related events, actions, numbers, etc., which have a particular order
31. co\_\_\_\_\_al swimming pool *adj.* belonging to or used by a group rather than individuals; for common use
32. tropical rai\_\_\_\_\_st *n.* a forest rich in biodiversity that is generally found in tropical settings with heavy annual rainfall
33. 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
34. ac\_\_\_\_\_e a new company *v.* to buy or obtain something such as an asset, object, knowledge, etc., for oneself
35. attract br\_\_d attention *adj.* very wide; general
36. escape from ca\_\_\_\_\_ty *n.* the situation in which a person or animal is kept in prison or a space that they cannot escape from
37. driving di\_\_\_\_\_ce *n.* the amount of space between two points, measured in units such as miles, meters, or kilometers; the extent, scope, or range between two things, such as distance or emotional distance
38. l\_b instrument *n.* a workplace for the conduct of scientific research; a laboratory
39. re\_\_\_e a message *v.* to establish a connection or association between two or more things; to narrate or tell about an event, experience, or relationship; to empathize or feel sympathy with someone or something

ANSWERS: 30. sequence, 31. communal, 32. rainforest, 33. develop, 34. acquire, 35. broad, 36. captivity, 37. distance, 38. lab, 39. relate

40. environmental ind\_\_\_\_\_on *n.* a sign or remark that something exists, is real, or is likely to occur
41. make dr\_\_\_\_\_ic changes *adj.* very sudden, very excellent, or full of action and excitement
42. co\_\_\_\_\_al combination of funds *adj.* belonging to or used by a group rather than individuals; for common use
43. do\_\_\_\_\_te over the weak *v.* to have or control a lot of power and influence over somebody or something
44. n\_\_\_\_m of action *n.* something that is regarded as usual, typical, or standard
45. eat a vegetarian d\_\_\_\_t *n.* the food and drink that a person, animal, or community eats and drinks regularly; a legislative assembly in certain countries, for example, Japan
46. the abundance of l\_\_\_\_h vegetation *adj.* produced or growing in extreme abundance, often in an attractive way; having strong sexual appeal
47. the di\_\_\_\_\_ty policy of the university *n.* the quality or fact of many different types of things or people being included in something; a range of different things or people
48. animals in ca\_\_\_\_\_ty in the zoo *n.* the situation in which a person or animal is kept in prison or a space that they cannot escape from
49. liquid as\_\_\_\_ts of the company *n.* something or someone that is useful or valuable quality, skill, etc.; valuable property
50. for the me\_\_\_\_\_me *n.* the interval or period of time between two events; the interim or temporary time period between two actions or stages of something else

ANSWERS: 40. indication, 41. dramatic, 42. communal, 43. dominate, 44. norm, 45. diet, 46. lush, 47. diversity, 48. captivity, 49. asset, 50. meantime

51. have a diverse mic\_\_\_\_\_me      *n.* the community of microorganisms (= living things too small to be seen) that can usually be found living together in any given environment or the human body
52. ob\_\_\_\_\_s reasons      *adj.* easy to see, discover or understand
53. cultural n\_\_\_\_m      *n.* something that is regarded as usual, typical, or standard
54. theory of the un\_\_\_\_\_se      *n.* everything that exists, especially all physical matter, including planets, stars, galaxies, and all other forms of matter and energy
55. c\_\_i cells      *n.* a bacterium of the genus Escherichia that is commonly found in the human gut and is used as a model organism in molecular biology and biochemistry
56. do\_\_\_\_\_te possession      *v.* to have or control a lot of power and influence over somebody or something
57. acute co\_\_\_\_\_s      *n.* inflammation of the colon; a condition that results in diarrhea, abdominal pain, and cramping
58. ob\_\_\_\_\_y-related diseases      *n.* the condition of being significantly overweight, typically defined as having a body mass index (BMI) of 30 or greater.
59. as\_\_\_\_a attack      *n.* a chronic respiratory disease characterized by wheezing, coughing, and difficulty breathing
60. a dr\_\_\_\_\_ic rescue at sea      *adj.* very sudden, very excellent, or full of action and excitement

ANSWERS: 51. microbiome, 52. obvious, 53. norm, 54. universe, 55. coli, 56. dominate, 57. colitis, 58. obesity, 59. asthma, 60. dramatic

61. com\_\_\_\_\_ty theory *n.* the state or quality of being complicated or intricate and difficult to understand
62. social di\_\_\_\_\_ce *n.* the amount of space between two points, measured in units such as miles, meters, or kilometers; the extent, scope, or range between two things, such as distance or emotional distance
63. a br\_\_d mind *adj.* very wide; general
64. su\_\_\_\_\_al ability *n.* the state of continuing to exist or live, frequently in the face of difficulty or danger
65. cognitive com\_\_\_\_\_ty *n.* the state or quality of being complicated or intricate and difficult to understand
66. his conclusion was ob\_\_\_\_\_s *adj.* easy to see, discover or understand
67. suffer from ob\_\_\_\_\_y *n.* the condition of being significantly overweight, typically defined as having a body mass index (BMI) of 30 or greater.
68. golf sh\_\_k *n.* the lower part of the leg, between the knee and ankle; a straight or curved part of a tool or utensil that is used to grip, hold, or apply pressure
69. gene va\_\_\_\_\_on *n.* the act or state of changing; a difference or change in the way something is done, made or said
70. di\_\_\_\_\_es patient *n.* a medical condition in which the body cannot produce enough insulin to control the glucose levels in the blood

ANSWERS: 61. complexity, 62. distance, 63. broad, 64. survival, 65. complexity, 66. obvious, 67. obesity, 68. shank, 69. variation, 70. diabetes

71. chronic co\_\_\_\_s *n.* inflammation of the colon; a condition that results in diarrhea, abdominal pain, and cramping
72. ge\_\_\_e analyses *n.* the complete set or sequence of genes of a human, animal, plant, or other living things
73. D\_\_t approval *n.* the food and drink that a person, animal, or community eats and drinks regularly; a legislative assembly in certain countries, for example, Japan
74. me\_\_\_\_\_me report *n.* the interval or period of time between two events; the interim or temporary time period between two actions or stages of something else
75. inc\_\_\_\_\_ly cheerful character *adv.* in a way that is very difficult to believe; exceedingly or extremely
76. sh\_\_k steak *n.* the lower part of the leg, between the knee and ankle; a straight or curved part of a tool or utensil that is used to grip, hold, or apply pressure
77. wildly di\_\_\_\_\_nt results *adj.* different or becoming different from another or a standard; tending to move apart in different directions
78. ju\_\_\_e exploration *n.* an area of tropical forest where in which trees and plants grow very thickly
79. the characters that re\_\_\_\_\_nt numbers *v.* to speak, act, or be present on behalf of another person or group; to form or constitute
80. in\_\_\_\_\_ve species *adj.* spreading very quickly, and often aggressively, and difficult to stop

ANSWERS: 71. colitis, 72. genome, 73. diet, 74. meantime, 75. incredibly, 76. shank, 77. divergent, 78. jungle, 79. represent, 80. invasive



81. the se\_\_\_\_ce of the seasons *n.* a series of related events, actions, numbers, etc., which have a particular order
82. ob\_\_e individuals *adj.* excessively overweight, particularly to the point of being a serious health risk; having a body mass index (BMI) of 30 or more
83. gastric ul\_\_r *n.* a sore or erosion in the skin or mucous membrane, often caused by infection or inflammation; a persistent, painful cavity in the stomach or intestinal wall that can lead to digestive problems
84. met\_\_\_\_\_sm enzyme *n.* the set of chemical reactions in cells or organisms that are necessary for life-sustaining
85. a bl\_\_e of grass *n.* the flat part of a knife, weapon, or machine with a very thin edge used for cutting
86. suf\_\_\_\_\_nt time *adj.* adequate; enough for a particular purpose or requirement
87. fin\_\_\_\_\_nt at a crime scene *n.* a unique pattern of ridges and valleys on the surface of a finger that can be used to identify a person
88. di\_\_\_\_\_s solutions *v.* to talk about or examine in detail through conversation or debate; to exchange ideas, opinions, or information on a particular topic
89. pathogenic mi\_\_\_\_\_e *n.* a tiny living thing that can only be seen with a microscope and that may cause disease

ANSWERS: 81. sequence, 82. obese, 83. ulcer, 84. metabolism, 85. blade, 86. sufficient, 87. fingerprint, 88. discuss, 89. microbe

90. pre-mo\_\_\_n agricultural society      *adj.* of or belonging to the present time or recent times
91. 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
92. im\_\_\_\_\_nt communities      *n.* a person who has come to a country where they were not born to live there permanently
93. experienced cl\_\_\_\_\_an      *n.* a practitioner, especially of medicine or psychology, who has direct contact with patients
94. a coordinate a\_\_s      *n.* a real or imaginary straight line through a body or figure around which the object turns; a group of countries in special alliance
95. bl\_\_t government spending      *v.* to become swollen, distended, or inflated, especially in an unpleasant way; (noun) a condition in which the abdomen becomes swollen or distended with gas or fluid
96. the ec\_\_\_\_\_y of the island      *n.* the study of the relationships between living organisms, including humans, and their physical environment
97. re\_\_\_\_\_nt by a diagram      *v.* to speak, act, or be present on behalf of another person or group; to form or constitute
98. medical l\_b      *n.* a workplace for the conduct of scientific research; a laboratory

ANSWERS: 90. modern, 91. disease, 92. immigrant, 93. clinician, 94. axis, 95. bloat, 96. ecology, 97. represent, 98. lab

99. number of b\_g fixes *n.* any tiny insect; a fault or defect in a computer program, system, or machine
100. sk\_\_\_\_\_et the cost *v.* to rapidly ascend to a very high level; increase rapidly;
101. global re\_\_\_\_\_e crisis *n.* a displaced person who has crossed national borders and who cannot or is unwilling to return home due to political, religious, or economic reasons or because of a war
102. co\_\_\_\_\_nt urinary diversion *n.* one of the earth's large landmasses; (adjective) abstaining from your feelings, especially your desire to have sex
103. st\_\_l analysis *n.* a seat without a back or arms, typically used by one person; a piece of furniture with a flat top supported by one or more legs, used for working at or eating from; a piece of feces excreted from the body
104. science of ec\_\_\_\_\_y *n.* the study of the relationships between living organisms, including humans, and their physical environment
105. E. c\_\_i bacteria strain *n.* a bacterium of the genus Escherichia that is commonly found in the human gut and is used as a model organism in molecular biology and biochemistry
106. co\_\_\_\_\_e chemically with another substance *v.* to join or merge to form a single thing or group
107. juvenile di\_\_\_\_\_es *n.* a medical condition in which the body cannot produce enough insulin to control the glucose levels in the blood

ANSWERS: 99. bug, 100. skyrocket, 101. refugee, 102. continent, 103. stool, 104. ecology, 105. coli, 106. combine, 107. diabetes

108. ind\_\_\_\_\_on of inflation *n.* a sign or remark that something exists, is real, or is likely to occur
109. co\_\_\_\_\_ge from different points *v.* to move or draw together at a specific location; (of lines) to move towards the same point where they join or meet
110. pr\_\_\_\_\_re death *adj.* occurring or done too early; happening before the appropriate time; born before the end of a full-term pregnancy
111. fin\_\_\_\_\_nt identification *n.* a unique pattern of ridges and valleys on the surface of a finger that can be used to identify a person
112. 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
113. di\_\_\_\_\_ea with abdominal pain *n.* a common digestive disorder with the frequent passage of loose, watery stools that can be caused by various factors such as infections, food poisoning, and certain medications
114. bl\_\_t with pride *v.* to become swollen, distended, or inflated, especially in an unpleasant way; (noun) a condition in which the abdomen becomes swollen or distended with gas or fluid
115. pr\_\_\_\_\_e sanctuary *n.* any mammal of the order Primates, which includes monkeys, apes, and humans

ANSWERS: 108. indication, 109. converge, 110. premature, 111. fingerprint, 112. develop, 113. diarrhea, 114. bloat, 115. primate

116. the bl\_\_e of a turbine *n.* the flat part of a knife, weapon, or machine with a very thin edge used for cutting
117. the blind g\_t *n.* the long tube in the body of a person or animal through which food passes when it leaves the stomach; the mental strength or bravery required to do something difficult or unpleasant
118. l\_\_h and fertile land *adj.* produced or growing in extreme abundance, often in an attractive way; having strong sexual appeal
119. ac\_\_\_\_e knowledge *v.* to buy or obtain something such as an asset, object, knowledge, etc., for oneself
120. su\_\_\_\_r a setback *v.* to experience pain, distress, or hardship; to undergo or endure something painful or unpleasant
121. vi\_\_\_\_ze data *v.* to form a mental image or concept of something; to make something visible
122. ad\_\_t as needed *v.* to make fit for or change to suit a new purpose or environment
123. many tr\_\_\_\_ons of dollars *n.* the number 1,000,000,000,000; a million million
124. self-suf\_\_\_\_nt economy *adj.* adequate; enough for a particular purpose or requirement
125. vi\_\_\_\_ze flying through space *v.* to form a mental image or concept of something; to make something visible
126. pr\_\_\_\_e species *n.* any mammal of the order Primates, which includes monkeys, apes, and humans

ANSWERS: 116. blade, 117. gut, 118. lush, 119. acquire, 120. suffer, 121. visualize, 122. adapt, 123. trillion, 124. sufficient, 125. visualize, 126. primate

127. follow a di\_\_\_\_\_nt path      *adj.* different or becoming different from another or a standard; tending to move apart in different directions
128. al\_\_\_\_\_y treatment      *n.* a hypersensitivity disorder of the immune system, characterized by an exaggerated response to certain allergens, such as pollens, foods, and drugs
129. from a cl\_\_\_\_\_an's perspective      *n.* a practitioner, especially of medicine or psychology, who has direct contact with patients
130. mo\_\_\_\_\_n poetry      *adj.* of or belonging to the present time or recent times
131. as\_\_\_\_a symptoms      *n.* a chronic respiratory disease characterized by wheezing, coughing, and difficulty breathing
132. frozen as\_\_ts      *n.* something or someone that is useful or valuable quality, skill, etc.; valuable property
133. end\_\_\_\_\_ed species      *adj.* at risk of extinction because it is facing significant threats
134. re\_\_\_\_e a story      *v.* to establish a connection or association between two or more things; to narrate or tell about an event, experience, or relationship; to empathize or feel sympathy with someone or something
135. di\_\_\_\_\_s options      *v.* to talk about or examine in detail through conversation or debate; to exchange ideas, opinions, or information on a particular topic

ANSWERS: 127. divergent, 128. allergy, 129. clinician, 130. modern, 131. asthma, 132. asset, 133. endangered, 134. relate, 135. discuss

136. co\_\_\_\_\_ge of a series      *v.* to move or draw together at a specific location; (of lines) to move towards the same point where they join or meet
137. su\_\_\_\_r bad grades      *v.* to experience pain, distress, or hardship; to undergo or endure something painful or unpleasant
138. ou\_\_\_\_\_er our opponents      *v.* to be more numerous or greater in number than another group or entity; to exceed in quantity or number
139. in\_\_\_\_\_ve breast cancer      *adj.* spreading very quickly, and often aggressively, and difficult to stop
140. insulin aut\_\_\_\_\_ne syndrome      *adj.* relating to a condition in which the body's immune system attacks and destroys healthy body tissue, mistaking it for harmful foreign substances
141. a numerator in a fr\_\_\_\_\_on      *n.* a small part or item forming a piece of a whole; the quotient of two rational numbers
142. aut\_\_\_\_\_ne disorder      *adj.* relating to a condition in which the body's immune system attacks and destroys healthy body tissue, mistaking it for harmful foreign substances
143. economic ge\_\_\_\_\_hy      *n.* a field of science devoted to the study of the lands, features, inhabitants, and phenomena of the Earth
144. an im\_\_\_\_\_nt from the country      *n.* a person who has come to a country where they were not born to live there permanently
145. re\_\_\_\_\_sh a reserve fund      *v.* to fill something that had previously been emptied

ANSWERS: 136. converge, 137. suffer, 138. outnumber, 139. invasive, 140. autoimmune, 141. fraction, 142. autoimmune, 143. geography, 144. immigrant, 145. replenish

146. gu\_\_y move *adj.* displaying courage, determination, or boldness; characterized by a willingness to take risks or face challenges
147. ob\_\_e children *adj.* excessively overweight, particularly to the point of being a serious health risk; having a body mass index (BMI) of 30 or more
148. 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
149. vertical a\_\_s *n.* a real or imaginary straight line through a body or figure around which the object turns; a group of countries in special alliance
150. co\_\_\_\_e augmented reality *v.* to join or merge to form a single thing or group
151. fr\_\_\_\_nt absence *adj.* happening constantly
152. viral en\_\_\_\_is *n.* inflammation of the small intestine, often caused by infection, food poisoning, or other factors
153. hemoglobin met\_\_\_\_sm *n.* the set of chemical reactions in cells or organisms that are necessary for life-sustaining
154. tr\_\_\_\_on cubic feet *n.* the number 1,000,000,000,000; a million million
155. expansion of the un\_\_\_\_se *n.* everything that exists, especially all physical matter, including planets, stars, galaxies, and all other forms of matter and energy

ANSWERS: 146. gutsy, 147. obese, 148. disease, 149. axis, 150. combine, 151. frequent, 152. enteritis, 153. metabolism, 154. trillion, 155. universe



156. pr\_\_\_\_ve a country's heritage      *v.* to keep or maintain a particular quality, feature, etc., especially to prevent it from decaying, being damaged, or being destroyed
157. food al\_\_\_\_y      *n.* a hypersensitivity disorder of the immune system, characterized by an exaggerated response to certain allergens, such as pollens, foods, and drugs
158. p\_\_t twist      *n.* a secret plan or scheme to achieve a specific goal; the plan or main story of a literary work; (verb) to plan secretly, usually something illegal
159. gu\_\_y performance      *adj.* displaying courage, determination, or boldness; characterized by a willingness to take risks or face challenges
160. mi\_\_\_\_es sterilizer      *n.* a tiny living thing that can only be seen with a microscope and that may cause disease
161. get inc\_\_\_\_ly insecure      *adv.* in a way that is very difficult to believe; exceedingly or extremely
162. skin mic\_\_\_\_me      *n.* the community of microorganisms (= living things too small to be seen) that can usually be found living together in any given environment or the human body

ANSWERS: 156. preserve, 157. allergy, 158. plot, 159. gutsy, 160. microbe, 161. incredibly, 162. microbiome

## Session 3: Fill in the Blanks

1. He told me a \_\_\_\_\_ truth about my parent's death.
  - n.* the long tube in the body of a person or animal through which food passes when it leaves the stomach; the mental strength or bravery required to do something difficult or unpleasant
  
2. Their headquarters are in a \_\_\_\_\_ skyscraper.
  - adj.* of or belonging to the present time or recent times
  
3. The \_\_\_\_\_ disease can spread quickly and potentially cause a global pandemic.
  - adj.* spreading very quickly, and often aggressively, and difficult to stop
  
4. This area has an environment of \_\_\_\_\_ greenery and water courses.
  - adj.* produced or growing in extreme abundance, often in an attractive way; having strong sexual appeal
  
5. The community warmly welcomed the \_\_\_\_\_.
  - n.* a displaced person who has crossed national borders and who cannot or is unwilling to return home due to political, religious, or economic reasons or because of a war
  
6. Pandas rarely breed in \_\_\_\_\_.
  - n.* the situation in which a person or animal is kept in prison or a space that they cannot escape from
  
7. A sense of humor is an invaluable \_\_\_\_\_ in this job.
  - n.* something or someone that is useful or valuable quality, skill, etc.; valuable property

ANSWERS: 1. gut-wrenching, 2. modern, 3. invasive, 4. lush, 5. refugees, 6. captivity, 7. asset

8. The systems we have developed has accepted as industry \_\_\_\_\_.  
*n.* something that is regarded as usual, typical, or standard
9. The \_\_\_\_\_ test helped to determine the cause of her symptoms.  
*n.* a hypersensitivity disorder of the immune system, characterized by an exaggerated response to certain allergens, such as pollens, foods, and drugs
10. 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
11. The prevalence of \_\_\_\_\_ has increased significantly in recent years.  
*n.* the condition of being significantly overweight, typically defined as having a body mass index (BMI) of 30 or greater.
12. Please \_\_\_\_\_ my glass with some more wine.  
*v.* to fill something that had previously been emptied
13. The marathon runner covered a long \_\_\_\_\_ in a short amount of time.  
*n.* the amount of space between two points, measured in units such as miles, meters, or kilometers; the extent, scope, or range between two things, such as distance or emotional distance
14. 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
15. The stress of the job caused him to develop an \_\_\_\_\_ in his stomach.  
*n.* a sore or erosion in the skin or mucous membrane, often caused by infection or inflammation; a persistent, painful cavity in the stomach or intestinal wall that can lead to digestive problems

ANSWERS: 8. norms, 9. allergy, 10. continent, 11. obesity, 12. replenish, 13. distance, 14. suffers, 15. ulcer

16. \_\_\_\_\_ elections were held in several European countries.  
*adj.* belonging to or used by a group rather than individuals; for common use
17. The perspective of his right brain \_\_\_\_\_ his consciousness.  
*v.* to have or control a lot of power and influence over somebody or something
18. The earth's \_\_\_\_\_ of rotation is tilted 66.5 degrees to the ecliptic plane.  
*n.* a real or imaginary straight line through a body or figure around which the object turns; a group of countries in special alliance
19. It was \_\_\_\_\_ to quit her job and start her own business.  
*adj.* displaying courage, determination, or boldness; characterized by a willingness to take risks or face challenges
20. That candidate does not have \_\_\_\_\_ means to win an election with certainty.  
*adj.* adequate; enough for a particular purpose or requirement
21. The doctor asked me to provide a \_\_\_\_\_ sample for testing.  
*n.* a seat without a back or arms, typically used by one person; a piece of furniture with a flat top supported by one or more legs, used for working at or eating from; a piece of feces excreted from the body
22. I had a terrible case of \_\_\_\_\_ and couldn't stop going to the bathroom.  
*n.* a common digestive disorder with the frequent passage of loose, watery stools that can be caused by various factors such as infections, food poisoning, and certain medications
23. The two rivers \_\_\_\_\_ into one near this area.  
*v.* to move or draw together at a specific location; (of lines) to move towards the same point where they join or meet

ANSWERS: 16. Communal, 17. dominates, 18. axis, 19. gutsy, 20. sufficient, 21. stool, 22. diarrhea, 23. converge

24. 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
25. 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
26. Ulcerative \_\_\_\_\_ is an inflammatory bowel disease that can cause severe discomfort and requires long-term management.  
*n.* inflammation of the colon; a condition that results in diarrhea, abdominal pain, and cramping
27. She did well on her \_\_\_\_\_ exam.  
*n.* a field of science devoted to the study of the lands, features, inhabitants, and phenomena of the Earth
28. 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
29. The \_\_\_\_\_ of Japan is known for its unique culture and advanced technology.  
*n.* a large organized community of people living in a particular country or region and having a particular culture
30. The statement had a \_\_\_\_\_ impact on house prices.  
*adj.* very sudden, very excellent, or full of action and excitement
31. Hydrogen and oxygen \_\_\_\_\_ to form water.  
*v.* to join or merge to form a single thing or group

ANSWERS: 24. rainforest, 25. complexity, 26. colitis, 27. geography, 28. develop, 29. nation, 30. dramatic, 31. combine

32. A balanced \_\_\_\_\_ is more important for health than supplements.
- n.* the food and drink that a person, animal, or community eats and drinks regularly; a legislative assembly in certain countries, for example, Japan
33. The study of Escherichia \_\_\_\_\_ has led to important advancements in areas such as antibiotic resistance, gut microbiome, and synthetic biology.
- n.* a bacterium of the genus Escherichia that is commonly found in the human gut and is used as a model organism in molecular biology and biochemistry
34. We do move forward with those tasks in \_\_\_\_\_ next week.
- n.* a series of related events, actions, numbers, etc., which have a particular order
35. He evaluated his chances for \_\_\_\_\_ rather pessimistically.
- n.* the state of continuing to exist or live, frequently in the face of difficulty or danger
36. He was impressed by the range and \_\_\_\_\_ of the collection.
- n.* the quality or fact of many different types of things or people being included in something; a range of different things or people
37. \_\_\_\_\_ thrive on the surface of the human skin.
- n.* a tiny living thing that can only be seen with a microscope and that may cause disease
38. The prime minister had to reconcile \_\_\_\_\_ opinions on controversial issues like abortion.
- adj.* different or becoming different from another or a standard; tending to move apart in different directions
39. She tried to \_\_\_\_\_ the layout of the new house in her mind.
- v.* to form a mental image or concept of something; to make something visible

ANSWERS: 32. diet, 33. coli, 34. sequence, 35. survival, 36. diversity, 37. Microbes, 38. divergent, 39. visualize

40. I advised him to \_\_\_\_\_ to his new surroundings.  
*v.* to make fit for or change to suit a new purpose or environment
41. The \_\_\_\_\_ of the novel centers around a group of friends who uncover a conspiracy to control the world's water supply.  
*n.* a secret plan or scheme to achieve a specific goal; the plan or main story of a literary work; (verb) to plan secretly, usually something illegal
42. Several cities are experiencing \_\_\_\_\_ high unemployment rates.  
*adv.* in a way that is very difficult to believe; exceedingly or extremely
43. He spent only a \_\_\_\_\_ of his earnings.  
*n.* a small part or item forming a piece of a whole; the quotient of two rational numbers
44. There are \_\_\_\_\_ differences between the two wine-producing regions.  
*adj.* easy to see, discover or understand
45. There is a lot of \_\_\_\_\_ in the colors of flowers in the garden.  
*n.* the act or state of changing; a difference or change in the way something is done, made or said
46. Faces are a good \_\_\_\_\_ of age.  
*n.* a sign or remark that something exists, is real, or is likely to occur
47. The gut \_\_\_\_\_ is a major producer of serotonin, which is necessary for human mental stability.  
*n.* the community of microorganisms (= living things too small to be seen) that can usually be found living together in any given environment or the human body

ANSWERS: 40. adapt, 41. plot, 42. incredibly, 43. fraction, 44. obvious, 45. variation, 46. indication, 47. microbiome

48. After consuming contaminated food, she developed \_\_\_\_\_ and severe abdominal pain.
- n.* inflammation of the small intestine, often caused by infection, food poisoning, or other factors
49. Many scientists study \_\_\_\_\_ behavior and intelligence.
- n.* any mammal of the order Primates, which includes monkeys, apes, and humans
50. The police used a \_\_\_\_\_ scanner to identify the suspect.
- n.* a unique pattern of ridges and valleys on the surface of a finger that can be used to identify a person
51. The \_\_\_\_\_ baby was small but healthy.
- adj.* occurring or done too early; happening before the appropriate time; born before the end of a full-term pregnancy
52. 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
53. We need to \_\_\_\_\_ the next steps for the project during our meeting tomorrow.
- v.* to talk about or examine in detail through conversation or debate; to exchange ideas, opinions, or information on a particular topic
54. Production has decreased, but costs and unemployment have \_\_\_\_\_ dramatically.
- v.* to rapidly ascend to a very high level; increase rapidly;
55. Police received a report of illegal \_\_\_\_\_ in the area.
- n.* a person who has come to a country where they were not born to live there permanently

ANSWERS: 48. enteritis, 49. primate, 50. fingerprint, 51. premature, 52. disease, 53. discuss, 54. skyrocketed, 55. immigrants



56. The doctor warned him that his \_\_\_\_\_ condition put him at risk for numerous health problems.  
*adj.* excessively overweight, particularly to the point of being a serious health risk; having a body mass index (BMI) of 30 or more
57. This village is still in a dense \_\_\_\_\_.  
*n.* an area of tropical forest where in which trees and plants grow very thickly
58. He always had to carry an inhaler due to his severe \_\_\_\_\_.  
*n.* a chronic respiratory disease characterized by wheezing, coughing, and difficulty breathing
59. I found a stink \_\_\_\_ crawling across the ceiling.  
*n.* any tiny insect; a fault or defect in a computer program, system, or machine
60. He tried to \_\_\_\_\_ his experience to the group, but they couldn't understand.  
*v.* to establish a connection or association between two or more things; to narrate or tell about an event, experience, or relationship; to empathize or feel sympathy with someone or something
61. He accumulated wealth across a \_\_\_\_\_ spectrum of assets.  
*adj.* very wide; general
62. We elected him to \_\_\_\_\_ us at the international conference.  
*v.* to speak, act, or be present on behalf of another person or group; to form or constitute
63. They worked hard to \_\_\_\_\_ the nature of their native lands.  
*v.* to keep or maintain a particular quality, feature, etc., especially to prevent it from decaying, being damaged, or being destroyed

ANSWERS: 56. obese, 57. jungle, 58. asthma, 59. bug, 60. relate, 61. broad, 62. represent, 63. preserve

64. Many companies are now enthusiastically embracing the knowledge of \_\_\_\_\_ for sustainable development.
- n.* the study of the relationships between living organisms, including humans, and their physical environment
65. The human \_\_\_\_\_ contains approximately three billion chemical base pairs.
- n.* the complete set or sequence of genes of a human, animal, plant, or other living things
66. The Prime Minister will pay a courtesy visit to the Nobel laureate's \_\_\_\_.
- n.* a workplace for the conduct of scientific research; a laboratory
67. Better sleep leads to increased \_\_\_\_\_.
- n.* the set of chemical reactions in cells or organisms that are necessary for life-sustaining
68. The \_\_\_\_\_ of the katana itself is still in excellent condition.
- n.* the flat part of a knife, weapon, or machine with a very thin edge used for cutting
69. In the \_\_\_\_\_ while we wait for the results, let's start working on the next project.
- n.* the interval or period of time between two events; the interim or temporary time period between two actions or stages of something else
70. Some \_\_\_\_\_ believe that psychological characteristics alone may cause mental disorders.
- n.* a practitioner, especially of medicine or psychology, who has direct contact with patients

ANSWERS: 64. ecology, 65. genome, 66. lab, 67. metabolism, 68. blade, 69. meantime, 70. clinicians

71. One light year is nearly 6 \_\_\_\_\_ miles.

*n.* the number 1,000,000,000,000; a million million

72. The presence of certain substances triggered the \_\_\_\_\_ response.

*adj.* relating to a condition in which the body's immune system attacks and destroys healthy body tissue, mistaking it for harmful foreign substances

73. The \_\_\_\_\_ is about 13.8 billion years old.

*n.* everything that exists, especially all physical matter, including planets, stars, galaxies, and all other forms of matter and energy

74. My father was tested for \_\_\_\_\_.

*n.* a medical condition in which the body cannot produce enough insulin to control the glucose levels in the blood

75. Hunters use a whistle that makes the \_\_\_\_ sound to lure stags.

*n.* a mature female of mammals of which the male is called a buck, such as a deer or a rabbit

76. His heartaches are less \_\_\_\_\_ now.

*adj.* happening constantly

77. Children \_\_\_\_\_ language at a fantastic rate.

*v.* to buy or obtain something such as an asset, object, knowledge, etc., for oneself

78. He noticed that the snack food bag was \_\_\_\_\_ near the top of the mountain.

*v.* to become swollen, distended, or inflated, especially in an unpleasant way;  
(noun) a condition in which the abdomen becomes swollen or distended with gas or fluid

ANSWERS: 71. trillion, 72. autoimmune, 73. universe, 74. diabetes, 75. doe, 76. frequent, 77. acquire, 78. bloating

79. The government has implemented policies to protect the habitat of \_\_\_\_\_ animals.

*adj.* at risk of extinction because it is facing significant threats

80. The \_\_\_\_\_ of the hammer broke while he was trying to dislodge a nail.

*n.* the lower part of the leg, between the knee and ankle; a straight or curved part of a tool or utensil that is used to grip, hold, or apply pressure

81. The number of tourists in the city now \_\_\_\_\_ the locals.

*v.* to be more numerous or greater in number than another group or entity; to exceed in quantity or number

ANSWERS: 79. endangered, 80. shank, 81. outnumber