

# Englist.me



## Vocabulary Builder Reference from...

Steven Allison: Earth's original inhabitants -- and their role in combating climate change | TED Talk

[https://www.ted.com/talks/steven\\_allison\\_earth\\_s\\_original\\_inhabitants\\_and\\_their\\_role\\_in\\_combating\\_climate\\_change](https://www.ted.com/talks/steven_allison_earth_s_original_inhabitants_and_their_role_in_combating_climate_change)

### Advanced Words Only

#### 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.

### sanitize

*v.* to clean or disinfect something to make it safe or hygienic; to remove potentially harmful or sensitive information from a document or communication

*synonym*: clean, disinfect, sterilize

(1) **sanitize** surfaces, (2) **sanitize** the kitchen

I always **sanitize** my hands before eating to prevent germs from spreading.

### emit

*v.* to give off or send out something such as light, heat, sound, gas, etc.

*synonym*: give off, radiate, expel

(1) **emit** a gamma ray, (2) **emit** air pollution

During the unloading, the container box **emits** a clicking sound.

## adaptable

*adj.* able or willing to modify or be modified to deal with new situations

*synonym* : flexible, adjustable, elastic

(1) **adaptable** enough for the environment, (2) an **adaptable** person

We seek a candidate who possesses **adaptable** fighting potential.

## inhabitant

*n.* a person or an animal that lives in a particular place

*synonym* : dweller, occupant, resident

(1) the early **inhabitants** of Europe, (2) **inhabitant** tax  
His family is the oldest **inhabitant** of the island.

## enamored

*adj.* deeply in love; having a strong affection or admiration for

*synonym* : captivated, smitten, in love

(1) **enamored** of the idea, (2) **enamored** of bygone days  
He had been **enamored** with her since the first time he saw her.

## pathogen

*n.* a bacterium, virus, or other microorganism that causes disease

*synonym* : germ, microbe, bacterium

(1) plant **pathogen**, (2) the **pathogen** in the air  
mRNA vaccines are approved faster because they do not contain inactivated **pathogens**.

## pandemic

*n.* an outbreak of a disease that affects many people over a very wide area

*synonym* : outbreak

(1) flu **pandemic**, (2) global **pandemic**

They fear a **pandemic** of a new type of virus.

## fungus

*n.* a type of organism that includes yeasts, molds, and mushrooms, which are heterotrophic, meaning they do not produce their food and must consume organic matter to survive

*synonym* : mold, mildew, yeast

(1) **fungus** infection, (2) symbiotic **fungus**

Certain types of **fungus** can be toxic to humans, causing severe illness if ingested.

## microbiology

*n.* the study of microorganisms, including bacteria, viruses, fungi, and algae, and their role in various fields such as medicine, agriculture, and the environment

(1) a specialist in **microbiology**, (2) **microbiology** laboratory

The field of **microbiology** includes the study of bacteria, fungi, viruses, and other microorganisms.

## assemblage

*n.* a collection or gathering of things or persons; a group or ensemble of items that have been brought together in a particular way

*synonym* : gathering, collection, meeting

(1) sculptural **assemblage**, (2) an **assemblage** of tools

The **assemblage** of artists displayed their works in the gallery for all to see.

## interloper

*n.* a person who intrudes into a place or sphere of activity where they are not wanted or are considered not to belong

*synonym* : intruder, trespasser, intruder

(1) an annoying **interloper**, (2) interstellar **interloper**

The **interloper** at the party was not on the guest list and was asked to leave.

## 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.

## **cyanobacteria**

*n.* a group of photosynthetic bacteria that possess chlorophyll and blue pigments and are characteristically found in aquatic environments; also known as blue-green algae

*synonym* : blue-green algae, blue-green bacteria, pond scum

(1) **cyanobacteria** blooms, (2) marine **cyanobacteria**

The toxic algae bloom in the lake was caused by an overgrowth of **cyanobacteria**.

## **photosynthesis**

*n.* the process through which plants and other organisms transform light energy into chemical energy, which is then released through cellular respiration to power the organism's activities.

(1) oxygenic **photosynthesis**, (2) process of **photosynthesis**

In **photosynthesis**, plants use carbon dioxide to feed themselves.

## **ecologist**

*n.* a person who studies the relationships between living organisms and their environment; the state of being outside or directed toward or relating to the outside or exterior

*synonym* : conservationist, naturalist

(1) behavioral **ecologist**, (2) forestry **ecologist**

The forestry **ecologist** studied the interactions between the different species in the forest's ecosystem.

## **insecure**

*adj.* not firm or firmly fixed; likely to fail or give way, or not assured of safety

*synonym* : uncertain, unsure, unconfident

(1) an **insecure** future, (2) **insecure** attachment

Children in an unstructured environment often feel **insecure**.

## **symbiotic**

*adj.* involving two varieties of animal or plant, each of which supplies the conditions for the other to exist

(1) **symbiotic** economy, (2) **symbiotic** bacteria

We have a mutually **symbiotic** connection with them.

## mycorrhiza

*n.* a mutually beneficial association between a fungus and the roots of a plant, in which the fungus helps the plant absorb water and nutrients, and the plant provides the fungus with sugars produced through photosynthesis

*synonym* : fungus, root, relationship

(1) **mycorrhiza** fungi, (2) orchid **mycorrhiza**

Some studies have shown that plants grown in soil with a high population of **mycorrhizal** fungi are more resistant to drought and disease.

## inoculate

*v.* to introduce a vaccine into the body to produce immunity to a specific disease

*synonym* : vaccinate, immunize, protect

(1) **inoculate** against disease, (2) **inoculate** with a virus

The doctor **inoculated** the child with a vaccine.

## colonize

*v.* to establish a colony in or on a specific place; to settle or occupy in large numbers

*synonym* : settle, occupy, inhabit

(1) **colonize** planets, (2) **colonize** for cultivation

European powers **colonized** much of the Americas in the 16th and 17th centuries.

## degrade

*v.* to make something worse, especially in quality; to show or treat someone in a way that makes them seem no value and do not have the respect or reasonable opinion of others

*synonym* : demean, disgrace, impair

(1) **degrade** his public image, (2) **degrade** environmental quality

You should not **degrade** yourself by allowing them to use you.

## 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.

## mushroom

*n.* a type of fungus that grows on dead or decaying organic matter and typically has a stalk and an umbrella-shaped cap

*synonym*: fungus, toadstool

(1) **mushroom** spores, (2) **mushroom** cultivation

The **mushroom** risotto was delicious, but I couldn't identify all the mushrooms in it.

## recycle

*v.* to sort and collect things to process them and produce valuable materials that can be used again

*synonym*: reclaim, reuse, reprocess

(1) **recycle** the cardboard boxes, (2) **recycle** milk packaging into new paper

We largely **recycle** the circuit board of cell phones because they contain a lot of valuable metals.

## diligent

*adj.* showing or characterized by care and effort in your work or duties

*synonym*: active, engaged, assiduous

(1) a **diligent** person, (2) a **diligent** search of the files

The **diligent** detective investigated all clues.

## grind

*v.* to reduce something to small particles or powder by crushing or rubbing it; to work hard over a long period of time

*synonym*: mill, crush, grate

(1) **grind** away at my work, (2) **grind** your teeth

She had to **grind** the coffee beans before making a fresh cup.

## deprive

*v.* to take away something from someone

*synonym*: deny, take away, divest

(1) **deprive** others of profit, (2) **deprive** him of his status

He was **deprived** of his freedom when sentenced to life in prison.

## biofuel

*n.* a fuel produced from organic matter, such as crops or waste material, that can be used to replace or supplement traditional fossil fuels

*synonym*: renewable energy, green fuel, alternative fuel

(1) **biofuel** production, (2) **biofuel** technology

The airplane was powered by a **biofuel** made from plant-based materials.

## starve

*v.* to suffer or die from lack of food; to cause someone or something to suffer or die from lack of food; to deprive something of necessary nourishment or sustenance

*synonym*: famish, hunger

(1) **starve** for a victory, (2) **starve** to death

If you don't eat soon, you're going to **starve**.

## staphylococcus

*n.* (also staph) a type of bacteria that can cause various types of infections in humans, including skin infections, pneumonia, and food poisoning

*synonym*: bacteria, microbe, germ

(1) **staphylococcus** aureus, (2) **staphylococcus** bacteria

The patient was diagnosed with a **staphylococcus** infection.

## decompose

*v.* to break down or cause to break down over time into simpler substances or elements

*synonym*: break down, rot, spoil

(1) **decompose** matter, (2) **decompose** into simpler molecules

After the earthquake, many of the buildings in the city were left in ruins and began to **decompose**.

## sterilize

*v.* to make something free of all forms of life, especially bacteria or viruses, by using heat, chemicals, or radiation

*synonym*: disinfect, sanitize, cleanse

(1) **sterilize** chemically, (2) **sterilize** surfaces

The nurse **sterilized** the instruments before the surgery to prevent any infections.

## faze

v. to disturb or disconcert someone, often causing them to lose their confidence or composure; to unsettle, intimidate, or fluster

*synonym*: disturb, unsettle, bother

(1) **faze** a decision-maker, (2) unlikely to **faze** him

I won't let a little criticism **faze** me from pursuing my dreams.

## ooze

v. to flow or seep out slowly, often in a thick, viscous manner; to exude or emit slowly and steadily

*synonym*: flow, seep, drip

(1) **ooze** from the speakers, (2) **ooze** with confidence

The wound on his leg continued to **ooze** blood even after he applied pressure.

## sequester

v. to take temporary possession of someone's property until a debt is paid.

*synonym*: isolate, set apart, segregate

(1) **sequester** ten percent of the annual carbon emissions,

(2) **sequester** myself from the world

He approved their requests to **sequester** the jury.

## 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.

## vault

*n.* a large room or chamber used for storage, often for valuables such as money, documents, or artwork; (verb) to leap or jump over something; to move quickly or suddenly

*synonym*: safe, strongbox, coffer



(1) **vault** door, (2) **vault** from five to fifty percent

The government **vault** contains top-secret documents and classified information that only a few individuals can access.

## buildup

*n.* the accumulation or increase of something over time

*synonym*: accumulation, increase, growth

(1) lactic acid **buildup**, (2) huge military **buildup**

The **buildup** of stress over time can lead to health problems.

## reimagine

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

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

(1) **reimagine** the future, (2) **reimagine** the possibilities

The company is trying to **reimagine** its business model to stay competitive.

## spew

*v.* to eject forcefully and abundantly; to flow out rapidly and in large amounts

*synonym*: vomit, spout, discharge

(1) **spew** carbon dioxide, (2) **spew** insults

The volcano started to **spew** lava and ash, causing panic among residents.

## well-being

*n.* the state of being happy and healthy and prosperous

*synonym*: health, welfare, happiness

(1) the **well-being** of a nation, (2) a sense of **well-being**

We are responsible for the care and **well-being** of all our employees.

## Session 2: Spelling

1. in\_\_\_\_re attachment *adj.* not firm or firmly fixed; likely to fail or give way, or not assured of safety
2. st\_\_\_\_\_ze chemically *v.* to make something free of all forms of life, especially bacteria or viruses, by using heat, chemicals, or radiation
3. bi\_\_\_\_\_l technology *n.* a fuel produced from organic matter, such as crops or waste material, that can be used to replace or supplement traditional fossil fuels
4. pathogenic mi\_\_\_\_\_e *n.* a tiny living thing that can only be seen with a microscope and that may cause disease
5. re\_\_\_\_\_e the cardboard boxes *v.* to sort and collect things to process them and produce valuable materials that can be used again
6. the early inh\_\_\_\_\_nts of Europe *n.* a person or an animal that lives in a particular place
7. plant pa\_\_\_\_\_en *n.* a bacterium, virus, or other microorganism that causes disease
8. 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
9. s\_\_w insults *v.* to eject forcefully and abundantly; to flow out rapidly and in large amounts

ANSWERS: 1. insecure, 2. sterilize, 3. biofuel, 4. microbe, 5. recycle, 6. inhabitant, 7. pathogen, 8. microbiome, 9. spew

10. e\_\_t air pollution      *v.* to give off or send out something such as light, heat, sound, gas, etc.
11. process of pho\_\_\_\_\_sis      *n.* the process through which plants and other organisms transform light energy into chemical energy, which is then released through cellular respiration to power the organism's activities.
12. de\_\_\_\_\_e his public image      *v.* to make something worse, especially in quality; to show or treat someone in a way that makes them seem no value and do not have the respect or reasonable opinion of others
13. marine cya\_\_\_\_\_ria      *n.* a group of photosynthetic bacteria that possess chlorophyll and blue pigments and are characteristically found in aquatic environments; also known as blue-green algae
14. de\_\_\_\_\_e him of his status      *v.* to take away something from someone
15. an ass\_\_\_\_\_ge of tools      *n.* a collection or gathering of things or persons; a group or ensemble of items that have been brought together in a particular way
16. symbiotic fu\_\_\_\_s      *n.* a type of organism that includes yeasts, molds, and mushrooms, which are heterotrophic, meaning they do not produce their food and must consume organic matter to survive
17. in\_\_\_\_\_te with a virus      *v.* to introduce a vaccine into the body to produce immunity to a specific disease

ANSWERS: 10. emit, 11. photosynthesis, 12. degrade, 13. cyanobacteria, 14. deprive, 15. assemblage, 16. fungus, 17. inoculate

18. st\_\_\_e to death      *v.* to suffer or die from lack of food; to cause someone or something to suffer or die from lack of food; to deprive something of necessary nourishment or sustenance
19. se\_\_\_\_\_er myself from the world      *v.* to take temporary possession of someone's property until a debt is paid.
20. myc\_\_\_\_\_za fungi      *n.* a mutually beneficial association between a fungus and the roots of a plant, in which the fungus helps the plant absorb water and nutrients, and the plant provides the fungus with sugars produced through photosynthesis
21. mi\_\_\_\_\_es sterilizer      *n.* a tiny living thing that can only be seen with a microscope and that may cause disease
22. sa\_\_\_\_\_ze surfaces      *v.* to clean or disinfect something to make it safe or hygienic; to remove potentially harmful or sensitive information from a document or communication
23. sta\_\_\_\_\_cus bacteria      *n.* (also staph) a type of bacteria that can cause various types of infections in humans, including skin infections, pneumonia, and food poisoning
24. a di\_\_\_\_\_nt search of the files      *adj.* showing or characterized by care and effort in your work or duties
25. st\_\_\_e for a victory      *v.* to suffer or die from lack of food; to cause someone or something to suffer or die from lack of food; to deprive something of necessary nourishment or sustenance

ANSWERS: 18. starve, 19. sequester, 20. mycorrhiza, 21. microbe, 22. sanitize, 23. staphylococcus, 24. diligent, 25. starve

26. re\_\_\_\_\_ne the future *v.* to imagine or conceive of something in a new or different way
27. the wel\_\_\_\_\_ng of a nation *n.* the state of being happy and healthy and prosperous
28. an in\_\_\_\_\_re future *adj.* not firm or firmly fixed; likely to fail or give way, or not assured of safety
29. de\_\_\_\_\_se into simpler molecules *v.* to break down or cause to break down over time into simpler substances or elements
30. sy\_\_\_\_\_ic bacteria *adj.* involving two varieties of animal or plant, each of which supplies the conditions for the other to exist
31. complex bio\_\_\_\_\_al *adj.* relating to the chemical processes and substances that occur within living organisms
32. global pa\_\_\_\_\_ic *n.* an outbreak of a disease that affects many people over a very wide area
33. fu\_\_\_\_s infection *n.* a type of organism that includes yeasts, molds, and mushrooms, which are heterotrophic, meaning they do not produce their food and must consume organic matter to survive
34. behavioral ec\_\_\_\_\_st *n.* a person who studies the relationships between living organisms and their environment; the state of being outside or directed toward or relating to the outside or exterior
35. mu\_\_\_\_\_om spores *n.* a type of fungus that grows on dead or decaying organic matter and typically has a stalk and an umbrella-shaped cap

ANSWERS: 26. reimagine, 27. well-being, 28. insecure, 29. decompose, 30. symbiotic, 31. biochemical, 32. pandemic, 33. fungus, 34. ecologist, 35. mushroom

36. o\_\_e from the speakers *v.* to flow or seep out slowly, often in a thick, viscous manner; to exude or emit slowly and steadily
37. huge military bu\_\_\_\_p *n.* the accumulation or increase of something over time
38. cya\_\_\_\_\_ria blooms *n.* a group of photosynthetic bacteria that possess chlorophyll and blue pigments and are characteristically found in aquatic environments; also known as blue-green algae
39. va\_\_t from five to fifty percent *n.* a large room or chamber used for storage, often for valuables such as money, documents, or artwork; (verb) to leap or jump over something; to move quickly or suddenly
40. inh\_\_\_\_\_nt tax *n.* a person or an animal that lives in a particular place
41. co\_\_\_\_\_ze planets *v.* to establish a colony in or on a specific place; to settle or occupy in large numbers
42. re\_\_\_\_\_e milk packaging into new paper *v.* to sort and collect things to process them and produce valuable materials that can be used again
43. lactic acid bu\_\_\_\_p *n.* the accumulation or increase of something over time
44. st\_\_\_\_\_ze surfaces *v.* to make something free of all forms of life, especially bacteria or viruses, by using heat, chemicals, or radiation
45. an ad\_\_\_\_\_le person *adj.* able or willing to modify or be modified to deal with new situations

ANSWERS: 36. ooze, 37. buildup, 38. cyanobacteria, 39. vault, 40. inhabitant, 41. colonize, 42. recycle, 43. buildup, 44. sterilize, 45. adaptable

46. unlikely to f\_\_e him      *v.* to disturb or disconcert someone, often causing them to lose their confidence or composure; to unsettle, intimidate, or fluster
47. gr\_\_d away at my work      *v.* to reduce something to small particles or powder by crushing or rubbing it; to work hard over a long period of time
48. de\_\_\_\_e environmental quality      *v.* to make something worse, especially in quality; to show or treat someone in a way that makes them seem no value and do not have the respect or reasonable opinion of others
49. sy\_\_\_\_ic economy      *adj.* involving two varieties of animal or plant, each of which supplies the conditions for the other to exist
50. gr\_\_d your teeth      *v.* to reduce something to small particles or powder by crushing or rubbing it; to work hard over a long period of time
51. re\_\_\_\_ne the possibilities      *v.* to imagine or conceive of something in a new or different way
52. en\_\_\_\_ed of bygone days      *adj.* deeply in love; having a strong affection or admiration for
53. in\_\_\_\_te against disease      *v.* to introduce a vaccine into the body to produce immunity to a specific disease
54. a specialist in mic\_\_\_\_ogy      *n.* the study of microorganisms, including bacteria, viruses, fungi, and algae, and their role in various fields such as medicine, agriculture, and the environment

ANSWERS: 46. faze, 47. grind, 48. degrade, 49. symbiotic, 50. grind, 51. reimagine, 52. enamored, 53. inoculate, 54. microbiology

55. se\_\_\_\_\_er ten percent of the annual carbon emissions      *v.* to take temporary possession of someone's property until a debt is paid.
56. sculptural ass\_\_\_\_\_ge      *n.* a collection or gathering of things or persons; a group or ensemble of items that have been brought together in a particular way
57. co\_\_\_\_\_ze for cultivation      *v.* to establish a colony in or on a specific place; to settle or occupy in large numbers
58. green m\_\_s      *n.* a small, soft plant that grows in a low, compact layer, often on the ground or on rocks
59. an annoying int\_\_\_\_\_er      *n.* a person who intrudes into a place or sphere of activity where they are not wanted or are considered not to belong
60. 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
61. interstellar int\_\_\_\_\_er      *n.* a person who intrudes into a place or sphere of activity where they are not wanted or are considered not to belong
62. orchid myc\_\_\_\_\_za      *n.* a mutually beneficial association between a fungus and the roots of a plant, in which the fungus helps the plant absorb water and nutrients, and the plant provides the fungus with sugars produced through photosynthesis

ANSWERS: 55. sequester, 56. assemblage, 57. colonize, 58. moss, 59. interloper, 60. microbiome, 61. interloper, 62. mycorrhiza



63. sta\_\_\_\_\_cus aureus *n.* (also staph) a type of bacteria that can cause various types of infections in humans, including skin infections, pneumonia, and food poisoning
64. bi\_\_\_\_\_l production *n.* a fuel produced from organic matter, such as crops or waste material, that can be used to replace or supplement traditional fossil fuels
65. va\_\_t door *n.* a large room or chamber used for storage, often for valuables such as money, documents, or artwork; (verb) to leap or jump over something; to move quickly or suddenly
66. ad\_\_\_\_\_le enough for the environment *adj.* able or willing to modify or be modified to deal with new situations
67. mic\_\_\_\_\_ogy laboratory *n.* the study of microorganisms, including bacteria, viruses, fungi, and algae, and their role in various fields such as medicine, agriculture, and the environment
68. the pa\_\_\_\_\_en in the air *n.* a bacterium, virus, or other microorganism that causes disease
69. f\_\_e a decision-maker *v.* to disturb or disconcert someone, often causing them to lose their confidence or composure; to unsettle, intimidate, or fluster
70. forestry ec\_\_\_\_\_st *n.* a person who studies the relationships between living organisms and their environment; the state of being outside or directed toward or relating to the outside or exterior

ANSWERS: 63. staphylococcus, 64. biofuel, 65. vault, 66. adaptable, 67. microbiology, 68. pathogen, 69. faze, 70. ecologist

71. en\_\_\_\_ed of the idea *adj.* deeply in love; having a strong affection or admiration for
72. sa\_\_\_\_ze the kitchen *v.* to clean or disinfect something to make it safe or hygienic; to remove potentially harmful or sensitive information from a document or communication
73. de\_\_\_\_e others of profit *v.* to take away something from someone
74. flu pa\_\_\_\_ic *n.* an outbreak of a disease that affects many people over a very wide area
75. s\_\_w carbon dioxide *v.* to eject forcefully and abundantly; to flow out rapidly and in large amounts
76. oxygenic pho\_\_\_\_\_sis *n.* the process through which plants and other organisms transform light energy into chemical energy, which is then released through cellular respiration to power the organism's activities.
77. e\_\_t a gamma ray *v.* to give off or send out something such as light, heat, sound, gas, etc.
78. a di\_\_\_\_nt person *adj.* showing or characterized by care and effort in your work or duties
79. o\_\_e with confidence *v.* to flow or seep out slowly, often in a thick, viscous manner; to exude or emit slowly and steadily
80. a sense of wel\_\_\_\_\_ng *n.* the state of being happy and healthy and prosperous
81. de\_\_\_\_se matter *v.* to break down or cause to break down over time into simpler substances or elements

ANSWERS: 71. enamored, 72. sanitize, 73. deprive, 74. pandemic, 75. spew, 76. photosynthesis, 77. emit, 78. diligent, 79. ooze, 80. well-being, 81. decompose

82. bio\_\_\_\_\_al reaction

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

83. mu\_\_\_\_\_om cultivation

*n.* a type of fungus that grows on dead or decaying organic matter and typically has a stalk and an umbrella-shaped cap

84. m\_\_s garden

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

ANSWERS: 82. biochemical, 83. mushroom, 84. moss

## Session 3: Fill in the Blanks

1. The toxic algae bloom in the lake was caused by an overgrowth of \_\_\_\_\_.
  - n.* a group of photosynthetic bacteria that possess chlorophyll and blue pigments and are characteristically found in aquatic environments; also known as blue-green algae
  
2. If you don't eat soon, you're going to \_\_\_\_\_.
  - v.* to suffer or die from lack of food; to cause someone or something to suffer or die from lack of food; to deprive something of necessary nourishment or sustenance
  
3. The \_\_\_\_\_ at the party was not on the guest list and was asked to leave.
  - n.* a person who intrudes into a place or sphere of activity where they are not wanted or are considered not to belong
  
4. mRNA vaccines are approved faster because they do not contain inactivated \_\_\_\_\_.
  - n.* a bacterium, virus, or other microorganism that causes disease
  
5. His family is the oldest \_\_\_\_\_ of the island.
  - n.* a person or an animal that lives in a particular place
  
6. The forestry \_\_\_\_\_ studied the interactions between the different species in the forest's ecosystem.
  - n.* a person who studies the relationships between living organisms and their environment; the state of being outside or directed toward or relating to the outside or exterior

ANSWERS: 1. cyanobacteria, 2. starve, 3. interloper, 4. pathogens, 5. inhabitant, 6. ecologist

7. We are responsible for the care and \_\_\_\_\_ of all our employees.  
*n.* the state of being happy and healthy and prosperous
8. The \_\_\_\_\_ of artists displayed their works in the gallery for all to see.  
*n.* a collection or gathering of things or persons; a group or ensemble of items that have been brought together in a particular way
9. The volcano started to \_\_\_\_\_ lava and ash, causing panic among residents.  
*v.* to eject forcefully and abundantly; to flow out rapidly and in large amounts
10. In \_\_\_\_\_ plants use carbon dioxide to feed themselves.  
*n.* the process through which plants and other organisms transform light energy into chemical energy, which is then released through cellular respiration to power the organism's activities.
11. We seek a candidate who possesses \_\_\_\_\_ fighting potential.  
*adj.* able or willing to modify or be modified to deal with new situations
12. \_\_\_\_\_ 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
13. Some studies have shown that plants grown in soil with a high population of \_\_\_\_\_ fungi are more resistant to drought and disease.  
*n.* a mutually beneficial association between a fungus and the roots of a plant, in which the fungus helps the plant absorb water and nutrients, and the plant provides the fungus with sugars produced through photosynthesis
14. I won't let a little criticism \_\_\_\_\_ me from pursuing my dreams.  
*v.* to disturb or disconcert someone, often causing them to lose their confidence or composure; to unsettle, intimidate, or fluster

ANSWERS: 7. well-being, 8. assemblage, 9. spew, 10. photosynthesis, 11. adaptable, 12. Biochemical, 13. mycorrhizal, 14. faze

15. The wound on his leg continued to \_\_\_\_\_ blood even after he applied pressure.
- v.* to flow or seep out slowly, often in a thick, viscous manner; to exude or emit slowly and steadily
16. 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
17. The \_\_\_\_\_ risotto was delicious, but I couldn't identify all the mushrooms in it.
- n.* a type of fungus that grows on dead or decaying organic matter and typically has a stalk and an umbrella-shaped cap
18. I always \_\_\_\_\_ my hands before eating to prevent germs from spreading.
- v.* to clean or disinfect something to make it safe or hygienic; to remove potentially harmful or sensitive information from a document or communication
19. The doctor \_\_\_\_\_ the child with a vaccine.
- v.* to introduce a vaccine into the body to produce immunity to a specific disease
20. The field of \_\_\_\_\_ includes the study of bacteria, fungi, viruses, and other microorganisms.
- n.* the study of microorganisms, including bacteria, viruses, fungi, and algae, and their role in various fields such as medicine, agriculture, and the environment
21. We largely \_\_\_\_\_ the circuit board of cell phones because they contain a lot of valuable metals.
- v.* to sort and collect things to process them and produce valuable materials that can be used again

ANSWERS: 15. ooze, 16. microbiome, 17. mushroom, 18. sanitize, 19. inoculated, 20. microbiology, 21. recycle

22. He was \_\_\_\_\_ of his freedom when sentenced to life in prison.

*v.* to take away something from someone

23. He had been \_\_\_\_\_ with her since the first time he saw her.

*adj.* deeply in love; having a strong affection or admiration for

24. The \_\_\_\_\_ of stress over time can lead to health problems.

*n.* the accumulation or increase of something over time

25. The company is trying to \_\_\_\_\_ its business model to stay competitive.

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

26. \_\_\_\_\_ 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

27. The patient was diagnosed with a \_\_\_\_\_ infection.

*n.* (also staph) a type of bacteria that can cause various types of infections in humans, including skin infections, pneumonia, and food poisoning

28. After the earthquake, many of the buildings in the city were left in ruins and began to \_\_\_\_\_.

*v.* to break down or cause to break down over time into simpler substances or elements

29. During the unloading, the container box \_\_\_\_\_ a clicking sound.

*v.* to give off or send out something such as light, heat, sound, gas, etc.

30. The nurse \_\_\_\_\_ the instruments before the surgery to prevent any infections.

*v.* to make something free of all forms of life, especially bacteria or viruses, by using heat, chemicals, or radiation

ANSWERS: 22. deprived, 23. enamored, 24. buildup, 25. reimagine, 26. Moss, 27. staphylococcus, 28. decompose, 29. emits, 30. sterilized

31. Certain types of \_\_\_\_\_ can be toxic to humans, causing severe illness if ingested.

- n.* a type of organism that includes yeasts, molds, and mushrooms, which are heterotrophic, meaning they do not produce their food and must consume organic matter to survive

32. Children in an unstructured environment often feel \_\_\_\_\_.

- adj.* not firm or firmly fixed; likely to fail or give way, or not assured of safety

33. \_\_\_\_\_ 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

34. They fear a \_\_\_\_\_ of a new type of virus.

- n.* an outbreak of a disease that affects many people over a very wide area

35. He approved their requests to \_\_\_\_\_ the jury.

- v.* to take temporary possession of someone's property until a debt is paid.

36. The \_\_\_\_\_ detective investigated all clues.

- adj.* showing or characterized by care and effort in your work or duties

37. We have a mutually \_\_\_\_\_ connection with them.

- adj.* involving two varieties of animal or plant, each of which supplies the conditions for the other to exist

38. She had to \_\_\_\_\_ the coffee beans before making a fresh cup.

- v.* to reduce something to small particles or powder by crushing or rubbing it; to work hard over a long period of time

ANSWERS: 31. fungus, 32. insecure, 33. Microbes, 34. pandemic, 35. sequester, 36. diligent, 37. symbiotic, 38. grind



39. You should not \_\_\_\_\_ yourself by allowing them to use you.

- v.* to make something worse, especially in quality; to show or treat someone in a way that makes them seem no value and do not have the respect or reasonable opinion of others

40. The government \_\_\_\_\_ contains top-secret documents and classified information that only a few individuals can access.

- n.* a large room or chamber used for storage, often for valuables such as money, documents, or artwork; (verb) to leap or jump over something; to move quickly or suddenly

41. European powers \_\_\_\_\_ much of the Americas in the 16th and 17th centuries.

- v.* to establish a colony in or on a specific place; to settle or occupy in large numbers

42. The airplane was powered by a \_\_\_\_\_ made from plant-based materials.

- n.* a fuel produced from organic matter, such as crops or waste material, that can be used to replace or supplement traditional fossil fuels

ANSWERS: 39. degrade, 40. vault, 41. colonized, 42. biofuel