

# Englist.me



## Vocabulary Builder Reference from...

*Jill Farrant: How we can make crops survive without water | TED Talk*

[https://www.ted.com/talks/jill\\_farrant\\_how\\_we\\_can\\_make\\_crops\\_survive\\_without\\_water](https://www.ted.com/talks/jill_farrant_how_we_can_make_crops_survive_without_water)

### Advanced Words Only

#### IMPORTANT

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## Session 1: Word List

### resurrect

*v.* to bring back to life or bring into existence again

*synonym*: revive, bring back, bring to life

(1) **resurrect** the dead, (2) **resurrect** an argument

They tried to **resurrect** the ancient tradition.

### arid

*adj.* lacking in moisture or rainfall; dry and barren; lacking in interest, life, or vitality

*synonym*: dry, parched, barren

(1) **arid** terrain, (2) semi- **arid** zone

The desert is known for its **arid** climate and lack of rainfall.

### infrequent

*adj.* occurring rarely or irregularly; happening at long intervals; not happening often or in large numbers

*synonym*: rare, sporadic, uncommon

(1) **infrequent** showers, (2) **infrequent** meetings

Traveling to remote villages can be difficult due to **infrequent** transportation.

### rained

*adj.* referring to agricultural practices or crops that rely solely on rainfall for moisture and do not utilize additional irrigation methods, which are dependent on the natural precipitation in a region and can be subject to variations in rainfall patterns and drought conditions

*synonym* : dryland, unirrigated

(1) **rained** agriculture, (2) **rained** regions

**Rained** crops rely solely on rainfall for their water supply rather than irrigation systems.

## 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.

## predominate

*v.* to be the most powerful, important, or frequent; to be more common or prevalent than others

*synonym* : reign, prevail, rule

(1) **predominate** in the army, (2) **predominate** religion

In this particular field, his work **predominated** over all others.

## succulent

*adj.* having thick and fleshy leaves or stems that can store water, typically used to describe plants in arid environments; (noun) a type of plant that has thick, fleshy leaves or stems that are capable of storing water

*synonym* : juicy, fleshy, moist

(1) **succulent** plant, (2) potted **succulent**

The tropical island is known for its **succulent** seafood dishes featuring fresh fish, lobster, and shrimp.

## shrub

*n.* a woody plant that is smaller than a tree and has several main stems emerging from the soil

*synonym* : bush, hedge, fern

(1) tree and **shrubs**, (2) small **shrub**

These are **shrubs** with no trunks that rarely grow taller than 3 meters.

## subterranean

*adj.* under the ground

*synonym* : underground, belowground, subsurface

(1) **subterranean** rooms, (2) **subterranean** motives for

murder

Such **subterranean** passages span kilometers in London.

## hydrate

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

*synonym*: moisturize, water, rehydrate

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

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

## baobab

n. a type of African tree with a large, bulbous trunk and sparse branches that often looks upside-down; also known as the "tree of life" due to its ability to store water during droughts

*synonym*: monkey bread tree, cream of tartar tree, bottle tree

(1) **baobab** pulp, (2) ancient **baobab**

The **baobab** tree can grow over 60 feet tall and live for thousands of years.

## desiccate

v. to remove moisture and liquids from something thoroughly

*synonym*: dehydrate, dry up, exsiccate

(1) **desiccate** food, (2) **desiccated** milk

The bricks were **desiccated** by the hot air completely.

## prolong

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

*synonym*: extend, lengthen, stretch

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

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

## germinate

v. to begin to grow or develop, typically as a seed sprouts

*synonym*: sprout, grow, develop

(1) days to **germinate**, (2) **germinate** the idea

The seeds **germinated** quickly in the warm soil.

## 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.

## angiosperm

*n.* a type of flowering plant that produces seeds enclosed within a protective structure, such as a fruit or seed pod, which comprises the largest group of plants in the plant kingdom, and they include most of the familiar plants found in gardens, forests, and fields

*synonym*: flowering plant

(1) **angiosperm** reproduction, (2) **angiosperm** classification

Scientists are studying the **angiosperm** reproduction process to understand how these plants produce seeds within enclosed ovaries.

## famine

*n.* a severe shortage of food, often caused by drought, war, or economic reasons

*synonym*: hunger, starvation, drought

(1) **famine** relief, (2) coal **famine**

The severe **famine** caused by the drought has left many people without food.

## downside

*n.* the negative aspects or consequences of something; the potential for loss or failure

*synonym*: drawback, negative, disadvantage

(1) major **downside**, (2) **downside** of globalization

The **downside** of the new policy was that it would be more expensive for customers.

## vegetative

*adj.* composed of or relating to the division of nature comprising the plant; alive but losing brain functioning and having only involuntary bodily functioning

*synonym* : herbal, monotonous

(1) a dull **vegetative** lifestyle, (2) the **vegetative** world  
He was in what was described as a **vegetative** state.

## concerted

*adj.* involving the joint activity of more than one person, government, country, etc.

*synonym* : coordinated, planned, united

(1) **concerted** effort, (2) apply **concerted** pressure  
The NGO launched a **concerted** campaign to raise awareness about the issue.

## improvisation

*n.* the act of making something up on the spot or creating or performing something without preparation

*synonym* : spontaneity, ad-lib, extemporization

(1) **improvisation** on stage, (2) jazz **improvisation**  
He created a beautiful piece of music using only **improvisation**.

## staple

*adj.* essential, crucial, or regularly used

*synonym* : essential, fundamental, pivotal

(1) **staple** commodities, (2) **staple** crop  
Rice and beans are a **staple** food in many cultures.

## gluten

*n.* a protein found in wheat, barley, and rye that is responsible for the elastic texture of the dough

*synonym* : wheat protein, wheat starch

(1) **gluten-free** diets, (2) **gluten** intolerance  
Many people with celiac disease must avoid **gluten** in their diet.

## transcriptome

*n.* the complete set of messenger RNA (mRNA) molecules present within a cell or tissue at a specific time, which represents the collection of genes that are actively being transcribed

*synonym* : gene expression pattern

(1) **transcriptome** analysis, (2) **transcriptome** sequencing

The researchers examined the **transcriptome** of cancer cells to identify genes associated with the disease.

### proteome

*n.* the entire complement of proteins that can be expressed by a genome, cell, tissue, or organism, including all of its functional forms and modifications

(1) bacterial **proteome**, (2) **proteome** database

Scientists are studying the human **proteome** to understand better how proteins work in the body.

### metabolite

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

*synonym*: intermediate

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

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

### metabolome

*n.* the complete set of small molecules, such as metabolites, found within a cell, tissue, or organism at a specific time, which represents the metabolic status and activity of a biological system

*synonym*: metabolic fingerprint

(1) lipid **metabolome**, (2) analyze the **metabolome**

The study aimed to analyze the changes in the **metabolome** of cancer cells.

### arsenal

*n.* a collection of weapons or military equipment stored in preparation for war or conflict; a collection of resources or tools available for use in a particular field or endeavor

*synonym*: storage, stockpile, armory

(1) **arsenal** of knowledge, (2) political **arsenal**

The police found a hidden **arsenal** of weapons in the suspect's house.

### 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.

## ancestor

*n.* a person from whom one is descended; a forefather  
*synonym*: forebear, forefather, progenitor

(1) **ancestor** language, (2) earliest human **ancestor**  
My remote **ancestor** immigrated to the United States from Ireland in the 1800s.

## spearhead

*v.* to lead or initiate an effort or campaign  
*synonym*: lead, initiate, begin

(1) **spearhead** campaign, (2) **spearhead** movement  
The CEO decided to **spearhead** the new project to ensure its success.

## embark

*v.* to go on board a ship or plane; to set out on an enterprise or subject of study; to start something  
*synonym*: enter, undertake, commence

(1) **embark** on a trip, (2) **embark** on a foolish adventure  
We **embarked** on a new project.

## unwind

*v.* to relax and release tension, often by engaging in leisure activities or by simply resting; to reverse the winding or twisting of something  
*synonym*: relax, de-stress, unroll

(1) **unwind** after work, (2) **unwind** on vacation  
I like to **unwind** with a good book after a long day at work.

## fine-tuning

*n.* the act of making small adjustments or changes to improve or optimize the performance, quality, or effectiveness of something  
*synonym*: adjustment, calibration, tweaking

(1) **fine-tuning** process, (2) **fine-tuning** of a financial plan  
The **fine-tuning** of the car engine made it run more smoothly.

## inducible

*adj.* capable of being brought about or caused; able to be prompted, persuaded, or influenced to do or experience something; responsive to a stimulus or condition

*synonym* : persuasive, convincing, inducible

(1) **inducible** enzyme, (2) **inducible** response

The scientist conducted experiments to determine if the gene was **inducible** under certain conditions.

## antioxidant

*n.* a substance that inhibits oxidation, especially one used to counteract the deterioration of stored food products

(1) high levels of **antioxidants**, (2) **antioxidant** behavior

Fruits and vegetables are good sources of **antioxidants**.

## mimic

*v.* to imitate someone's speech, movement, or behavior, especially to make others laugh

*synonym* : mirror, imitate, ape

(1) **mimic** a human voice, (2) **mimic** numerous instruments

He is very popular at school because he can **mimic** all the teachers' accents.



## Session 2: Spelling

1. earliest human an\_\_\_\_or  
*n.* a person from whom one is descended; a forefather
2. su\_\_\_\_\_nt plant  
*adj.* having thick and fleshy leaves or stems that can store water, typically used to describe plants in arid environments; (noun) a type of plant that has thick, fleshy leaves or stems that are capable of storing water
3. major do\_\_\_\_de  
*n.* the negative aspects or consequences of something; the potential for loss or failure
4. pre\_\_\_\_\_te religion  
*v.* to be the most powerful, important, or frequent; to be more common or prevalent than others
5. de\_\_\_\_\_te food  
*v.* to remove moisture and liquids from something thoroughly
6. in\_\_\_\_\_le enzyme  
*adj.* capable of being brought about or caused; able to be prompted, persuaded, or influenced to do or experience something; responsive to a stimulus or condition
7. st\_\_\_e commodities  
*adj.* essential, crucial, or regularly used
8. bio\_\_\_\_\_al reaction  
*adj.* relating to the chemical processes and substances that occur within living organisms
9. st\_\_\_e crop  
*adj.* essential, crucial, or regularly used

ANSWERS: 1. ancestor, 2. succulent, 3. downside, 4. predominate, 5. desiccate, 6. inducible, 7. staple, 8. biochemical, 9. staple

10. bacterial pr\_\_\_\_me *n.* the entire complement of proteins that can be expressed by a genome, cell, tissue, or organism, including all of its functional forms and modifications
11. complex bio\_\_\_\_al *adj.* relating to the chemical processes and substances that occur within living organisms
12. in\_\_\_\_le response *adj.* capable of being brought about or caused; able to be prompted, persuaded, or influenced to do or experience something; responsive to a stimulus or condition
13. the veg\_\_\_\_ve world *adj.* composed of or relating to the division of nature comprising the plant; alive but losing brain functioning and having only involuntary bodily functioning
14. drug met\_\_\_\_te *n.* a substance produced by metabolic processes in living organisms, especially those that are essential for normal physiological functions
15. inf\_\_\_\_nt showers *adj.* occurring rarely or irregularly; happening at long intervals; not happening often or in large numbers
16. coal fa\_\_\_e *n.* a severe shortage of food, often caused by drought, war, or economic reasons
17. mi\_\_\_\_es sterilizer *n.* a tiny living thing that can only be seen with a microscope and that may cause disease
18. ge\_\_\_\_te the idea *v.* to begin to grow or develop, typically as a seed sprouts

ANSWERS: 10. proteome, 11. biochemical, 12. inducible, 13. vegetative, 14. metabolite, 15. infrequent, 16. famine, 17. microbe, 18. germinate

19. semi-a\_\_d zone *adj.* lacking in moisture or rainfall; dry and barren; lacking in interest, life, or vitality
20. potted su\_\_\_\_\_nt *adj.* having thick and fleshy leaves or stems that can store water, typically used to describe plants in arid environments; (noun) a type of plant that has thick, fleshy leaves or stems that are capable of storing water
21. small sh\_\_b *n.* a woody plant that is smaller than a tree and has several main stems emerging from the soil
22. ang\_\_\_\_\_rm classification *n.* a type of flowering plant that produces seeds enclosed within a protective structure, such as a fruit or seed pod, which comprises the largest group of plants in the plant kingdom, and they include most of the familiar plants found in gardens, forests, and fields
23. re\_\_\_\_\_ct an argument *v.* to bring back to life or bring into existence again
24. sub\_\_\_\_\_ean rooms *adj.* under the ground
25. un\_\_\_d after work *v.* to relax and release tension, often by engaging in leisure activities or by simply resting; to reverse the winding or twisting of something
26. ancient ba\_\_\_b *n.* a type of African tree with a large, bulbous trunk and sparse branches that often looks upside-down; also known as the "tree of life" due to its ability to store water during droughts

ANSWERS: 19. arid, 20. succulent, 21. shrub, 22. angiosperm, 23. resurrect, 24. subterranean, 25. unwind, 26. baobab

27. pr\_\_\_\_\_me database *n.* the entire complement of proteins that can be expressed by a genome, cell, tissue, or organism, including all of its functional forms and modifications
28. lipid met\_\_\_\_\_me *n.* the complete set of small molecules, such as metabolites, found within a cell, tissue, or organism at a specific time, which represents the metabolic status and activity of a biological system
29. ang\_\_\_\_\_rm reproduction *n.* a type of flowering plant that produces seeds enclosed within a protective structure, such as a fruit or seed pod, which comprises the largest group of plants in the plant kingdom, and they include most of the familiar plants found in gardens, forests, and fields
30. an\_\_\_\_\_or language *n.* a person from whom one is descended; a forefather
31. em\_\_\_k on a foolish adventure *v.* to go on board a ship or plane; to set out on an enterprise or subject of study; to start something
32. ba\_\_\_b pulp *n.* a type of African tree with a large, bulbous trunk and sparse branches that often looks upside-down; also known as the "tree of life" due to its ability to store water during droughts
33. re\_\_\_\_\_ct the dead *v.* to bring back to life or bring into existence again
34. mi\_\_c numerous instruments *v.* to imitate someone's speech, movement, or behavior, especially to make others laugh

ANSWERS: 27. proteome, 28. metabolome, 29. angiosperm, 30. ancestor, 31. embark, 32. baobab, 33. resurrect, 34. mimic

35. co\_\_\_\_\_ed effort *adj.* involving the joint activity of more than one person, government, country, etc.
36. high levels of ant\_\_\_\_\_nts *n.* a substance that inhibits oxidation, especially one used to counteract the deterioration of stored food products
37. ar\_\_\_\_\_l of knowledge *n.* a collection of weapons or military equipment stored in preparation for war or conflict; a collection of resources or tools available for use in a particular field or endeavor
38. days to ge\_\_\_\_\_te *v.* to begin to grow or develop, typically as a seed sprouts
39. tra\_\_\_\_\_ome analysis *n.* the complete set of messenger RNA (mRNA) molecules present within a cell or tissue at a specific time, which represents the collection of genes that are actively being transcribed
40. co\_\_\_\_\_ze for cultivation *v.* to establish a colony in or on a specific place; to settle or occupy in large numbers
41. fa\_\_\_e relief *n.* a severe shortage of food, often caused by drought, war, or economic reasons
42. tree and sh\_\_\_bs *n.* a woody plant that is smaller than a tree and has several main stems emerging from the soil
43. pr\_\_\_\_\_g the agony *v.* to extend the duration or length of something, particularly a period of time or an event
44. sub\_\_\_\_\_ean motives for murder *adj.* under the ground

ANSWERS: 35. concerted, 36. antioxidant, 37. arsenal, 38. germinate, 39. transcriptome, 40. colonize, 41. famine, 42. shrub, 43. prolong, 44. subterranean

45. analyze the met\_\_\_\_\_me
- n.* the complete set of small molecules, such as metabolites, found within a cell, tissue, or organism at a specific time, which represents the metabolic status and activity of a biological system
46. ra\_\_\_\_\_d regions
- adj.* referring to agricultural practices or crops that rely solely on rainfall for moisture and do not utilize additional irrigation methods, which are dependent on the natural precipitation in a region and can be subject to variations in rainfall patterns and drought conditions
47. fin\_\_\_\_\_ng process
- n.* the act of making small adjustments or changes to improve or optimize the performance, quality, or effectiveness of something
48. apply co\_\_\_\_\_ed pressure
- adj.* involving the joint activity of more than one person, government, country, etc.
49. a dull veg\_\_\_\_\_ve lifestyle
- adj.* composed of or relating to the division of nature comprising the plant; alive but losing brain functioning and having only involuntary bodily functioning
50. sp\_\_\_\_\_ad campaign
- v.* to lead or initiate an effort or campaign
51. ra\_\_\_\_\_d agriculture
- adj.* referring to agricultural practices or crops that rely solely on rainfall for moisture and do not utilize additional irrigation methods, which are dependent on the natural precipitation in a region and can be subject to variations in rainfall patterns and drought conditions

ANSWERS: 45. metabolome, 46. rainfed, 47. fine-tuning, 48. concerted, 49. vegetative, 50. spearhead, 51. rainfed

52. pathogenic mi\_\_\_\_e *n.* a tiny living thing that can only be seen with a microscope and that may cause disease
53. em\_\_\_k on a trip *v.* to go on board a ship or plane; to set out on an enterprise or subject of study; to start something
54. jazz imp\_\_\_\_\_ion *n.* the act of making something up on the spot or creating or performing something without preparation
55. co\_\_\_\_\_ze planets *v.* to establish a colony in or on a specific place; to settle or occupy in large numbers
56. de\_\_\_\_\_ted milk *v.* to remove moisture and liquids from something thoroughly
57. mi\_\_c a human voice *v.* to imitate someone's speech, movement, or behavior, especially to make others laugh
58. acid hy\_\_\_\_\_e *v.* to add water or moisture to something; to drink enough fluids to maintain proper moisture; (noun) any compound that contains water of crystallization
59. gl\_\_\_n-free diets *n.* a protein found in wheat, barley, and rye that is responsible for the elastic texture of the dough
60. fin\_\_\_\_\_ng of a financial plan *n.* the act of making small adjustments or changes to improve or optimize the performance, quality, or effectiveness of something
61. ant\_\_\_\_\_nt behavior *n.* a substance that inhibits oxidation, especially one used to counteract the deterioration of stored food products

ANSWERS: 52. microbe, 53. embark, 54. improvisation, 55. colonize, 56. desiccate, 57. mimic, 58. hydrate, 59. gluten, 60. fine-tuning, 61. antioxidant

62. met\_\_\_\_\_te concentration *n.* a substance produced by metabolic processes in living organisms, especially those that are essential for normal physiological functions
63. sp\_\_\_\_\_ad movement *v.* to lead or initiate an effort or campaign
64. un\_\_\_\_d on vacation *v.* to relax and release tension, often by engaging in leisure activities or by simply resting; to reverse the winding or twisting of something
65. hy\_\_\_\_\_e my skin *v.* to add water or moisture to something; to drink enough fluids to maintain proper moisture; (noun) any compound that contains water of crystallization
66. political ar\_\_\_\_\_l *n.* a collection of weapons or military equipment stored in preparation for war or conflict; a collection of resources or tools available for use in a particular field or endeavor
67. gl\_\_\_\_n intolerance *n.* a protein found in wheat, barley, and rye that is responsible for the elastic texture of the dough
68. do\_\_\_\_\_de of globalization *n.* the negative aspects or consequences of something; the potential for loss or failure
69. measures to pr\_\_\_\_\_g the lifespan *v.* to extend the duration or length of something, particularly a period of time or an event
70. a\_\_d terrain *adj.* lacking in moisture or rainfall; dry and barren; lacking in interest, life, or vitality

ANSWERS: 62. metabolite, 63. spearhead, 64. unwind, 65. hydrate, 66. arsenal, 67. gluten, 68. downside, 69. prolong, 70. arid



71. tra\_\_\_\_\_ome sequencing      *n.* the complete set of messenger RNA (mRNA) molecules present within a cell or tissue at a specific time, which represents the collection of genes that are actively being transcribed
72. imp\_\_\_\_\_ion on stage      *n.* the act of making something up on the spot or creating or performing something without preparation
73. pre\_\_\_\_\_te in the army      *v.* to be the most powerful, important, or frequent; to be more common or prevalent than others
74. inf\_\_\_\_\_nt meetings      *adj.* occurring rarely or irregularly; happening at long intervals; not happening often or in large numbers

ANSWERS: 71. transcriptome, 72. improvisation, 73. predominate, 74. infrequent

## Session 3: Fill in the Blanks

1. The seeds \_\_\_\_\_ quickly in the warm soil.  
*v.* to begin to grow or develop, typically as a seed sprouts
  
2. The tropical island is known for its \_\_\_\_\_ seafood dishes featuring fresh fish, lobster, and shrimp.  
*adj.* having thick and fleshy leaves or stems that can store water, typically used to describe plants in arid environments; (noun) a type of plant that has thick, fleshy leaves or stems that are capable of storing water
  
3. He created a beautiful piece of music using only \_\_\_\_\_.  
*n.* the act of making something up on the spot or creating or performing something without preparation
  
4. The \_\_\_\_\_ tree can grow over 60 feet tall and live for thousands of years.  
*n.* a type of African tree with a large, bulbous trunk and sparse branches that often looks upside-down; also known as the "tree of life" due to its ability to store water during droughts
  
5. \_\_\_\_\_ 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
  
6. He is very popular at school because he can \_\_\_\_\_ all the teachers' accents.  
*v.* to imitate someone's speech, movement, or behavior, especially to make others laugh
  
7. We \_\_\_\_\_ on a new project.  
*v.* to go on board a ship or plane; to set out on an enterprise or subject of study; to start something

ANSWERS: 1. germinated, 2. succulent, 3. improvisation, 4. baobab, 5. Biochemical, 6. mimic, 7. embarked

8. I like to \_\_\_\_\_ with a good book after a long day at work.
- v.* to relax and release tension, often by engaging in leisure activities or by simply resting; to reverse the winding or twisting of something
9. We need to \_\_\_\_\_ the meeting for another hour to discuss all the issues.
- v.* to extend the duration or length of something, particularly a period of time or an event
10. \_\_\_\_\_ 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
11. These are \_\_\_\_\_ with no trunks that rarely grow taller than 3 meters.
- n.* a woody plant that is smaller than a tree and has several main stems emerging from the soil
12. The study aimed to analyze the changes in the \_\_\_\_\_ of cancer cells.
- n.* the complete set of small molecules, such as metabolites, found within a cell, tissue, or organism at a specific time, which represents the metabolic status and activity of a biological system
13. My remote \_\_\_\_\_ immigrated to the United States from Ireland in the 1800s.
- n.* a person from whom one is descended; a forefather
14. The liver \_\_\_\_\_ levels were higher than usual.
- n.* a substance produced by metabolic processes in living organisms, especially those that are essential for normal physiological functions
15. The police found a hidden \_\_\_\_\_ of weapons in the suspect's house.
- n.* a collection of weapons or military equipment stored in preparation for war or conflict; a collection of resources or tools available for use in a particular field or endeavor

ANSWERS: 8. unwind, 9. prolong, 10. Microbes, 11. shrubs, 12. metabolome, 13. ancestor, 14. metabolite, 15. arsenal

16. They tried to \_\_\_\_\_ the ancient tradition.

*v.* to bring back to life or bring into existence again

17. He was in what was described as a \_\_\_\_\_ state.

*adj.* composed of or relating to the division of nature comprising the plant; alive but losing brain functioning and having only involuntary bodily functioning

18. The scientist conducted experiments to determine if the gene was \_\_\_\_\_ under certain conditions.

*adj.* capable of being brought about or caused; able to be prompted, persuaded, or influenced to do or experience something; responsive to a stimulus or condition

19. The researchers examined the \_\_\_\_\_ of cancer cells to identify genes associated with the disease.

*n.* the complete set of messenger RNA (mRNA) molecules present within a cell or tissue at a specific time, which represents the collection of genes that are actively being transcribed

20. The CEO decided to \_\_\_\_\_ the new project to ensure its success.

*v.* to lead or initiate an effort or campaign

21. The bricks were \_\_\_\_\_ by the hot air completely.

*v.* to remove moisture and liquids from something thoroughly

22. The \_\_\_\_\_ of the car engine made it run more smoothly.

*n.* the act of making small adjustments or changes to improve or optimize the performance, quality, or effectiveness of something

23. Scientists are studying the human \_\_\_\_\_ to understand better how proteins work in the body.

*n.* the entire complement of proteins that can be expressed by a genome, cell, tissue, or organism, including all of its functional forms and modifications

ANSWERS: 16. resurrect, 17. vegetative, 18. inducible, 19. transcriptome, 20. spearhead, 21. desiccated, 22. fine-tuning, 23. proteome

24. The NGO launched a \_\_\_\_\_ campaign to raise awareness about the issue.  
*adj.* involving the joint activity of more than one person, government, country, etc.
25. The desert is known for its \_\_\_\_\_ climate and lack of rainfall.  
*adj.* lacking in moisture or rainfall; dry and barren; lacking in interest, life, or vitality
26. 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
27. She drank water to \_\_\_\_\_ her body.  
*v.* to add water or moisture to something; to drink enough fluids to maintain proper moisture; (noun) any compound that contains water of crystallization
28. \_\_\_\_\_ crops rely solely on rainfall for their water supply rather than irrigation systems.  
*adj.* referring to agricultural practices or crops that rely solely on rainfall for moisture and do not utilize additional irrigation methods, which are dependent on the natural precipitation in a region and can be subject to variations in rainfall patterns and drought conditions
29. Rice and beans are a \_\_\_\_\_ food in many cultures.  
*adj.* essential, crucial, or regularly used
30. The severe \_\_\_\_\_ caused by the drought has left many people without food.  
*n.* a severe shortage of food, often caused by drought, war, or economic reasons
31. The \_\_\_\_\_ of the new policy was that it would be more expensive for customers.  
*n.* the negative aspects or consequences of something; the potential for loss or failure

ANSWERS: 24. concerted, 25. arid, 26. colonized, 27. hydrate, 28. Rainfed, 29. staple, 30. famine, 31. downside

32. Many people with celiac disease must avoid \_\_\_\_\_ in their diet.
- n.* a protein found in wheat, barley, and rye that is responsible for the elastic texture of the dough
33. Fruits and vegetables are good sources of \_\_\_\_\_.
- n.* a substance that inhibits oxidation, especially one used to counteract the deterioration of stored food products
34. Scientists are studying the \_\_\_\_\_ reproduction process to understand how these plants produce seeds within enclosed ovaries.
- n.* a type of flowering plant that produces seeds enclosed within a protective structure, such as a fruit or seed pod, which comprises the largest group of plants in the plant kingdom, and they include most of the familiar plants found in gardens, forests, and fields
35. Traveling to remote villages can be difficult due to \_\_\_\_\_ transportation.
- adj.* occurring rarely or irregularly; happening at long intervals; not happening often or in large numbers
36. In this particular field, his work \_\_\_\_\_ over all others.
- v.* to be the most powerful, important, or frequent; to be more common or prevalent than others
37. Such \_\_\_\_\_ passages span kilometers in London.
- adj.* under the ground

ANSWERS: 32. gluten, 33. antioxidants, 34. angiosperm, 35. infrequent, 36. predominated, 37. subterranean