

# Englist.me



## Vocabulary Builder Reference from...

Charles C. Mann: How will we survive when the population hits 10 billion? | TED Talk

[https://www.ted.com/talks/charles\\_c\\_mann\\_how\\_will\\_we\\_survive\\_when\\_the\\_population\\_hits\\_10\\_billion](https://www.ted.com/talks/charles_c_mann_how_will_we_survive_when_the_population_hits_10_billion)

### Advanced Words Only

#### IMPORTANT

This material is a commentary and does not contain any copyrighted material of the reference source. We strongly recommend accessing/buying the reference source at the same time.

## Session 1: Word List

### 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.

### longevity

*n.* the property of being long-lived; significant duration of service

*synonym*: seniority, endurance

(1) **longevity** crisis, (2) **longevity** genes

He is proud of the **longevity** of the business.

### skit

*n.* a short, often humorous performative piece or act, typically performed in a comic or satirical tone or style, as part of a variety show or a theatrical or musical performance

*synonym*: sketch, parody, routine

(1) comedy **skit**, (2) political **skit**

The comedy group performed a hilarious **skit** about life in quarantine.

### 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.

## parasite

*n.* an organism that lives on or in another organism and benefits by deriving nutrients at the other's expense

*synonym*: hitchhiker, leech, saprophyte

(1) blood-sucking **parasite**, (2) **parasite** disease

Tapeworms are **parasites** that live in the intestines of humans and animals.

## starfish

*n.* marine invertebrate that belongs to the phylum Echinodermata, characterized by a five-armed body shape that resembles a star, typically found on or near the seafloor

*synonym*: sea star, echinoderm, asteroid

(1) **starfish** arm, (2) **starfish** habitat

The **starfish's** unique shape helps it to escape from predators quickly.

## zebra

*n.* a wild, horse-like mammal native to Africa with distinctive black-and-white stripes

*synonym*: striped horse, wild horse

(1) **zebra** pattern, (2) **zebra** crossing

The **zebra's** distinctive black and white stripes help it blend into its surroundings in the wild.

## mussel

*n.* a type of shellfish that lives in freshwater or saltwater has a hard, elongated shell and is edible

*synonym*: clam, oyster, bivalve

(1) **mussel** shells, (2) **mussel** cultivation

I ordered the **mussels** in a white wine sauce for dinner.

## spruce

*n.* a type of evergreen tree with short, stiff needles and small cones, often used as a decorative or ornamental tree; (adjective) neat, clean, or tidy in appearance

*synonym* : fir, pine, (verb) clean

(1) **spruce** appearance, (2) **spruce** forest

The **spruce** tree was the perfect addition to the family's Christmas decorations.

## bud

*n.* a small swelling on a plant stem or twig containing an undeveloped shoot

*synonym* : shoot, sprout, germ

(1) pinch off a **bud**, (2) **bud** grafting

The flower was starting to show its **bud** and would soon bloom into a beautiful blossom.

## explode

*v.* to burst or break open violently and noisily; to cause something to burst or break open

*synonym* : detonate, blast, rupture

(1) **explode** in anger, (2) **explode** in popularity

The old building **exploded** in a fiery inferno.

## hundredfold

*adj.* a hundred times as great or as much

(1) rise nearly **hundredfold**, (2) improve **hundredfold**

The development team reported two **hundredfold** increases in performance.

## protozoa

*n.* a diverse group of single-celled microorganisms that are classified as eukaryotic, meaning they have a distinct nucleus and other membrane-bound organelles found in a wide range of environments, from soil to water to the bodies of humans and animals

*synonym* : microorganism, unicellular organism, amoeba

(1) free-living **protozoa**, (2) **protozoa** species

The water in the lake was contaminated with high levels of **protozoa**, making it unsafe for swimming or drinking.

**petri**

*n.* (petri dish) a small, clear, and round dish with a lid used in laboratories, especially for growing bacteria

(1) **petri** dish test, (2) bacteria on **petri** dishes

Glass **petri** dishes are used to culture microorganisms.

**constrain**

*v.* to restrict or limit someone or something's freedom or ability to do something

*synonym*: restrict, limit, confine

(1) **constrain** his freedom, (2) **constrain** information flow

The political situation **constrained** the country's economic growth and foreign relations.

**drown**

*v.* to die or cause to die by being unable to breathe underwater

*synonym*: douse, drench, overwhelm

(1) **drown** in a bath, (2) I was **drowned** in work

Floods have the potential to **drown** any subsurface animals easily.

**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**.

**doom**

*n.* death, destruction, or some other terrible situation that cannot be avoided

*synonym*: judgment, destiny, fate

(1) economic **doom**, (2) prophet of **doom**

Everyone was aware of the impending **doom** but was unable to prevent it.

**transgress**

*v.* to break the law or moral code; to go beyond or exceed the limits or boundaries of something

*synonym*: trespass, violate, infringe

(1) **transgress** boundaries, (2) **transgress** against the rules

The company was fined for **transgressing** environmental regulations.

## peril

*n.* serious and great danger or risk

*synonym* : hazard, danger, threat

(1) the **peril** of the sea, (2) environmental **peril**

Due to hunger, the lives of the refugees were in **peril**.

## conserve

*v.* to protect something, especially the natural environment or culture, from change, damage, or destruction

*synonym* : preserve, save, maintain

(1) means to **conserve** energy, (2) **conserve** coal resources

Children must be taught to **conserve** our natural environment.

## envision

*v.* to imagine or expect what a situation will be like in the future

*synonym* : anticipate, foresee, picture

(1) **envision** the future, (2) **envision** the project's success

We cannot **envision** her as President.

## glitter

*v.* to shine with bright, sparkling light; to reflect light in a way that sparkles and shines

*synonym* : sparkle, glisten, shine

(1) **glitter** against her skin, (2) **glitter** in her eyes

Her dress **glittered** in the sunlight as she walked down the street.

## megacity

*n.* a huge city, especially with a population of more than 10 million people

(1) **megacity** pollution, (2) **megacity** project

The fishing village grew rapidly into a bustling **megacity**.

## untouched

*adj.* not touched or disturbed by anyone or anything; not having been altered, changed, or affected in any way

*synonym* :

untarnished, pristine, intact

(1) **untouched** wilderness, (2) **untouched** landscape

The abandoned house was **untouched** for years, with vines growing all over it.

## materialize

v. to become actual or real; to take physical form or shape; to appear or come into existence in a tangible way

*synonym*: appear, manifest, emerge

(1) **materialize** a cease-fire, (2) **materialize** in the dimness

The expected profits from their new venture did not **materialize** as predicted.

## footprint

n. a mark of a foot, shoe, or animal's foot left on a surface

*synonym*: footmark, imprint, impression

(1) **footprints** in the snow, (2) the **footprints** of an earlier civilization

We choose transportation that has a smaller carbon **footprint**.

## desalination

n. the process of removing salt, especially from seawater

(1) shut down a **desalination** plant, (2) water **desalination**

He worked on improving the equipment using the freeze-**desalination** method.

## aquifer

n. an underground layer of rock, sand, or Earth that can take in and hold water

(1) **aquifer** soil, (2) subsurface **aquifer**

Some areas melt snow by harnessing heat from underground **aquifers**.

## urbanize

v. to make an area more urban in character or nature, often through the development and expansion of cities or towns

*synonym*: develop, modernize, city-build

(1) **urbanize** a region, (2) **urbanize** transportation systems

The government plans to **urbanize** the rural area by building more housing units and improving transportation

infrastructure.

## aspiration

*n.* a strong desire to achieve something; the action or process of drawing breath

*synonym*: ambition, inhalation, intake

(1) no **aspiration** for fame, (2) **aspiration** into the lungs  
He has an **aspiration** to become a doctor.

## 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.

## cesspit

*n.* a pit or tank used for the disposal of human waste or sewage

*synonym*: latrine, sewer, privy

(1) **cesspit** cleaning, (2) stuck in the **cesspit**  
The public **cesspit** was overflowing and causing a major health hazard.

## interconnect

*v.* to connect similar things

*synonym*: interlink, connect, annex

(1) directly **interconnect** with those systems, (2) human activities **interconnect** with the environment  
Our system can now **interconnect** with other databases.

## agrarian

*adj.* relating to the cultivation of land or the raising of crops and animals; characterized by a society that relies on agriculture as its primary means of sustenance

*synonym*: agricultural, farming, rural

(1) **agrarian** society, (2) **agrarian** reform  
Most of the people in the **agrarian** community work in agriculture.

## 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.

## endlessly

*adv.* in a way that continues for a long time or seems to have no end or limit

*synonym*: ceaselessly, interminably, unceasingly

(1) repeat **endlessly**, (2) worry **endlessly** about our future

The procession of demonstrators was **endlessly** continuing.

## regress

v. to move or develop backward; to return to an earlier or less advanced state or condition; to decline or deteriorate

*synonym*: retrovert, deteriorate, decline

(1) **regress** to childhood, (2) **regress** in skills

The team's failure to win games has caused them to **regress** in confidence.

## shunt

v. to redirect or transfer something, often a flow of liquid or gas, to an alternative path or conduit; to move someone or something aside or out of the way; (noun) a device used to divert or redirect the flow of something, usually electrical current or fluid

*synonym*: redirect, divert, reroute

(1) **shunt** surgery, (2) **shunt** the output wavelength

The railway workers had to **shunt** the train to a different track to clear the tracks.

## unbridled

*adj.* lacking restraint or control; unrestrained; unchecked, used to describe behaviors, emotions, or actions that are wild, excessive, or uncontrolled

*synonym*: unrestrained, unchecked, unfettered

(1) **unbridled** power, (2) **unbridled** creativity



Her **unbridled** enthusiasm for the project helped to motivate the team.

## illusory

*adj.* not real or true; based on or having the nature of an illusion

*synonym* : illusive, deceptive, delusional

(1) **illusory** wealth, (2) **illusory** hope

The promise of easy money turned out to be **illusory**.

## leaky

*adj.* having a hole or crack that allows liquids or gases to pass through it

*synonym* : faulty, permeable, porous

(1) heal **leaky** gut, (2) **leaky** bucket

The boat had a **leaky** hull and needed to be patched.

## contaminate

*v.* to make something impure, unclean, or poisonous by contact or mixture

*synonym* : defile, pollute, adulterate

(1) **contaminate** with a disease, (2) **contaminate** his ego

We strive not to **contaminate** the environment when demolishing petroleum plants.

## cape

*n.* a type of long, loose outer garment that covers the back, shoulders, and arms; a headland or promontory extending into the sea or other large body of water

*synonym* : shawl, cloak, mantle

(1) **cape** cod, (2) red **cape**

The superhero wore a flowing **cape** as part of their costume.

## nuke

*v.* (derived from "nuclear") to attack or destroy a place or target with a nuclear weapon; to cook food in a microwave oven; (noun) a nuclear weapon, such as a nuclear bomb or missile

*synonym* : blast, bomb, attack

(1) **nuke** a city, (2) **nuke** missile

The government threatened to **nuke** the enemy territory if they didn't surrender.

## devote

*v.* to commit or dedicate oneself or one's time, effort, or energy to a particular task or purpose

*synonym*: commit, dedicate, apply

(1) **devote** all of my energies, (2) **devote** my own life

He **devoted** himself to studying the history of ancient civilizations.

## yell

*v.* to shout in a sudden and loud way

*synonym*: shout, scream, cry

(1) **yell** for help, (2) **yell** as loud as we can

When I asked my father for more money, he became furious and **yelled** at me.

## dwarf

*n.* a person or animal that is much smaller than usual or expected for its type; a celestial body, especially a planet, that is smaller and less massive than a star

*synonym*: midget, lilliputian, pygmy

(1) a potted **dwarf** tree, (2) a wise old **dwarf**

The **dwarf** planet Pluto is much smaller than earth and orbits the sun.

## hostility

*n.* aggressive or unfriendly feelings or behavior

*synonym*: antagonism, antipathy, estrangement

(1) an act of **hostility**, (2) bitter **hostility**

Her unconcealed **hostility** made us unpleasant.

## rickety

*adj.* wobbly, unsteady, and likely to collapse

*synonym*: unstable, wobbly, shaky

(1) **rickety** structure, (2) **rickety** chair

The old wooden bridge was **rickety** and swayed with every step.

## biome

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

*synonym*: ecosystem, habitat, biota

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

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

## **cynical**

*adj.* believing that people are motivated by self-interest;  
distrustful of human sincerity or integrity

*synonym*: skeptical, mistrustful, doubtful

(1) **cynical** remarks, (2) **cynical** worldview

He was very **cynical** and didn't believe anything anyone said unless he saw evidence for himself.

## Session 2: Spelling

1. sp\_\_\_e appearance  
*n.* a type of evergreen tree with short, stiff needles and small cones, often used as a decorative or ornamental tree; (adjective) neat, clean, or tidy in appearance
2. ri\_\_\_\_y chair  
*adj.* wobbly, unsteady, and likely to collapse
3. comedy s\_\_t  
*n.* a short, often humorous performative piece or act, typically performed in a comic or satirical tone or style, as part of a variety show or a theatrical or musical performance
4. pe\_\_i dish test  
*n.* (petri dish) a small, clear, and round dish with a lid used in laboratories, especially for growing bacteria
5. en\_\_\_\_on the project's success  
*v.* to imagine or expect what a situation will be like in the future
6. repeat en\_\_\_\_ly  
*adv.* in a way that continues for a long time or seems to have no end or limit
7. shut down a des\_\_\_\_\_ion plant  
*n.* the process of removing salt, especially from seawater
8. de\_\_\_e all of my energies  
*v.* to commit or dedicate oneself or one's time, effort, or energy to a particular task or purpose
9. ag\_\_\_\_an reform  
*adj.* relating to the cultivation of land or the raising of crops and animals; characterized by a society that relies on agriculture as its primary means of sustenance

ANSWERS: 1. spruce, 2. rickety, 3. skit, 4. petri, 5. envision, 6. endlessly, 7. desalination, 8. devote, 9. agrarian

10. bi\_\_e conservation *n.* a major ecological community characterized by particular plant and animal species adapted to a specific climate and geographic region, such as desert, tundra, or rainforest
11. political s\_\_t *n.* a short, often humorous performative piece or act, typically performed in a comic or satirical tone or style, as part of a variety show or a theatrical or musical performance
12. the wel\_\_\_\_\_ng of a nation *n.* the state of being happy and healthy and prosperous
13. the fo\_\_\_\_\_nts of an earlier civilization *n.* a mark of a foot, shoe, or animal's foot left on a surface
14. rise nearly hun\_\_\_\_\_ld *adj.* a hundred times as great or as much
15. de\_\_\_e my own life *v.* to commit or dedicate oneself or one's time, effort, or energy to a particular task or purpose
16. gl\_\_\_\_\_r in her eyes *v.* to shine with bright, sparkling light; to reflect light in a way that sparkles and shines
17. st\_\_\_\_\_sh arm *n.* marine invertebrate that belongs to the phylum Echinodermata, characterized by a five-armed body shape that resembles a star, typically found on or near the seafloor
18. prophet of d\_\_m *n.* death, destruction, or some other terrible situation that cannot be avoided
19. tra\_\_\_\_\_ss boundaries *v.* to break the law or moral code; to go beyond or exceed the limits or boundaries of something

ANSWERS: 10. biome, 11. skit, 12. well-being, 13. footprint, 14. hundredfold, 15. devote, 16. glitter, 17. starfish, 18. doom, 19. transgress

20. le\_\_y bucket *adj.* having a hole or crack that allows liquids or gases to pass through it
21. co\_\_\_\_\_in information flow *v.* to restrict or limit someone or something's freedom or ability to do something
22. the pe\_\_l of the sea *n.* serious and great danger or risk
23. ce\_\_\_\_\_t cleaning *n.* a pit or tank used for the disposal of human waste or sewage
24. b\_d grafting *n.* a small swelling on a plant stem or twig containing an undeveloped shoot
25. pinch off a b\_d *n.* a small swelling on a plant stem or twig containing an undeveloped shoot
26. directly int\_\_\_\_\_ect with those systems *v.* to connect similar things
27. ze\_\_a pattern *n.* a wild, horse-like mammal native to Africa with distinctive black-and-white stripes
28. c\_\_e cod *n.* a type of long, loose outer garment that covers the back, shoulders, and arms; a headland or promontory extending into the sea or other large body of water
29. lo\_\_\_\_\_ty genes *n.* the property of being long-lived; significant duration of service
30. con\_\_\_\_\_te his ego *v.* to make something impure, unclean, or poisonous by contact or mixture
31. 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

ANSWERS: 20. leaky, 21. constrain, 22. peril, 23. cesspit, 24. bud, 25. bud, 26. interconnect, 27. zebra, 28. cape, 29. longevity, 30. contaminate, 31. microbiome

32. fo\_\_\_\_\_nts in the snow *n.* a mark of a foot, shoe, or animal's foot left on a surface
33. aq\_\_\_\_\_r soil *n.* an underground layer of rock, sand, or Earth that can take in and hold water
34. mat\_\_\_\_\_ze a cease-fire *v.* to become actual or real; to take physical form or shape; to appear or come into existence in a tangible way
35. ex\_\_\_\_\_e in popularity *v.* to burst or break open violently and noisily; to cause something to burst or break open
36. marine bi\_\_\_e *n.* a major ecological community characterized by particular plant and animal species adapted to a specific climate and geographic region, such as desert, tundra, or rainforest
37. an act of ho\_\_\_\_\_ty *n.* aggressive or unfriendly feelings or behavior
38. un\_\_\_\_\_ed wilderness *adj.* not touched or disturbed by anyone or anything; not having been altered, changed, or affected in any way
39. me\_\_\_\_\_ty pollution *n.* a huge city, especially with a population of more than 10 million people
40. human activities int\_\_\_\_\_ect with the environment *v.* to connect similar things
41. mat\_\_\_\_\_ze in the dimness *v.* to become actual or real; to take physical form or shape; to appear or come into existence in a tangible way
42. ag\_\_\_\_\_an society *adj.* relating to the cultivation of land or the raising of crops and animals; characterized by a society that relies on agriculture as its primary means of sustenance

ANSWERS: 32. footprint, 33. aquifer, 34. materialize, 35. explode, 36. biome, 37. hostility, 38. untouched, 39. megacity, 40. interconnect, 41. materialize, 42. agrarian

43. 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
44. tra\_\_\_\_\_ss against the rules *v.* to break the law or moral code; to go beyond or exceed the limits or boundaries of something
45. blood-sucking pa\_\_\_\_\_te *n.* an organism that lives on or in another organism and benefits by deriving nutrients at the other's expense
46. subsurface aq\_\_\_\_\_r *n.* an underground layer of rock, sand, or Earth that can take in and hold water
47. dr\_\_n in a bath *v.* to die or cause to die by being unable to breathe underwater
48. environmental pe\_\_l *n.* serious and great danger or risk
49. 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
50. worry en\_\_\_\_\_ly about our future *adv.* in a way that continues for a long time or seems to have no end or limit
51. il\_\_\_\_\_ry hope *adj.* not real or true; based on or having the nature of an illusion
52. means to co\_\_\_\_\_ve energy *v.* to protect something, especially the natural environment or culture, from change, damage, or destruction
53. y\_\_l as loud as we can *v.* to shout in a sudden and loud way

ANSWERS: 43. microbiome, 44. transgress, 45. parasite, 46. aquifer, 47. drown, 48. peril, 49. starve, 50. endlessly, 51. illusory, 52. conserve, 53. yell



54. no asp\_\_\_\_\_on for fame *n.* a strong desire to achieve something; the action or process of drawing breath
55. un\_\_\_\_\_ed creativity *adj.* lacking restraint or control; unrestrained; unchecked, used to describe behaviors, emotions, or actions that are wild, excessive, or uncontrolled
56. pa\_\_\_\_\_te disease *n.* an organism that lives on or in another organism and benefits by deriving nutrients at the other's expense
57. ex\_\_\_\_\_e in anger *v.* to burst or break open violently and noisily; to cause something to burst or break open
58. 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
59. a potted dw\_\_f tree *n.* a person or animal that is much smaller than usual or expected for its type; a celestial body, especially a planet, that is smaller and less massive than a star
60. co\_\_\_\_\_ve coal resources *v.* to protect something, especially the natural environment or culture, from change, damage, or destruction
61. asp\_\_\_\_\_on into the lungs *n.* a strong desire to achieve something; the action or process of drawing breath
62. mu\_\_\_l cultivation *n.* a type of shellfish that lives in freshwater or saltwater has a hard, elongated shell and is edible
63. heal le\_\_y gut *adj.* having a hole or crack that allows liquids or gases to pass through it

ANSWERS: 54. aspiration, 55. unbridled, 56. parasite, 57. explode, 58. recycle, 59. dwarf, 60. conserve, 61. aspiration, 62. mussel, 63. leaky

64. il\_\_\_\_ry wealth *adj.* not real or true; based on or having the nature of an illusion
65. a sense of wel\_\_\_\_\_ng *n.* the state of being happy and healthy and prosperous
66. me\_\_\_\_ty project *n.* a huge city, especially with a population of more than 10 million people
67. st\_\_\_\_sh habitat *n.* marine invertebrate that belongs to the phylum Echinodermata, characterized by a five-armed body shape that resembles a star, typically found on or near the seafloor
68. ri\_\_\_\_y structure *adj.* wobbly, unsteady, and likely to collapse
69. bacteria on pe\_\_i dishes *n.* (petri dish) a small, clear, and round dish with a lid used in laboratories, especially for growing bacteria
70. stuck in the ce\_\_\_\_t *n.* a pit or tank used for the disposal of human waste or sewage
71. en\_\_\_\_on the future *v.* to imagine or expect what a situation will be like in the future
72. ze\_\_a crossing *n.* a wild, horse-like mammal native to Africa with distinctive black-and-white stripes
73. con\_\_\_\_\_te with a disease *v.* to make something impure, unclean, or poisonous by contact or mixture
74. sh\_\_t surgery *v.* to redirect or transfer something, often a flow of liquid or gas, to an alternative path or conduit; to move someone or something aside or out of the way; (noun) a device used to divert or redirect the flow of something, usually electrical current or fluid

ANSWERS: 64. illusory, 65. well-being, 66. megacity, 67. starfish, 68. rickety, 69. petri, 70. cesspit, 71. envision, 72. zebra, 73. contaminate, 74. shunt

75. cy\_\_\_\_l remarks *adj.* believing that people are motivated by self-interest; distrustful of human sincerity or integrity
76. re\_\_\_\_e the cardboard boxes *v.* to sort and collect things to process them and produce valuable materials that can be used again
77. improve hun\_\_\_\_ld *adj.* a hundred times as great or as much
78. red c\_\_e *n.* a type of long, loose outer garment that covers the back, shoulders, and arms; a headland or promontory extending into the sea or other large body of water
79. un\_\_\_\_ed landscape *adj.* not touched or disturbed by anyone or anything; not having been altered, changed, or affected in any way
80. sp\_\_\_\_e forest *n.* a type of evergreen tree with short, stiff needles and small cones, often used as a decorative or ornamental tree; (adjective) neat, clean, or tidy in appearance
81. 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
82. lo\_\_\_\_ty crisis *n.* the property of being long-lived; significant duration of service
83. n\_\_e a city *v.* (derived from "nuclear") to attack or destroy a place or target with a nuclear weapon; to cook food in a microwave oven; (noun) a nuclear weapon, such as a nuclear bomb or missile

ANSWERS: 75. cynical, 76. recycle, 77. hundredfold, 78. cape, 79. untouched, 80. spruce, 81. starve, 82. longevity, 83. nuke



92. economic d\_\_m *n.* death, destruction, or some other terrible situation that cannot be avoided
93. cy\_\_\_\_l worldview *adj.* believing that people are motivated by self-interest; distrustful of human sincerity or integrity
94. bitter ho\_\_\_\_ty *n.* aggressive or unfriendly feelings or behavior
95. re\_\_\_\_s to childhood *v.* to move or develop backward; to return to an earlier or less advanced state or condition; to decline or deteriorate
96. y\_\_l for help *v.* to shout in a sudden and loud way
97. co\_\_\_\_in his freedom *v.* to restrict or limit someone or something's freedom or ability to do something
98. un\_\_\_\_ed power *adj.* lacking restraint or control; unrestrained; unchecked, used to describe behaviors, emotions, or actions that are wild, excessive, or uncontrolled
99. a wise old dw\_\_f *n.* a person or animal that is much smaller than usual or expected for its type; a celestial body, especially a planet, that is smaller and less massive than a star
100. I was dr\_\_ned in work *v.* to die or cause to die by being unable to breathe underwater
101. sh\_\_t the output wavelength *v.* to redirect or transfer something, often a flow of liquid or gas, to an alternative path or conduit; to move someone or something aside or out of the way; (noun) a device used to divert or redirect the flow of something, usually electrical current or fluid

ANSWERS: 92. doom, 93. cynical, 94. hostility, 95. regress, 96. yell, 97. constrain, 98. unbridled, 99. dwarf, 100. drown, 101. shunt

102. re\_\_\_\_s in skills

*v.* to move or develop backward; to return to an earlier or less advanced state or condition; to decline or deteriorate

103. 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.

104. pr\_\_\_\_oa species

*n.* a diverse group of single-celled microorganisms that are classified as eukaryotic, meaning they have a distinct nucleus and other membrane-bound organelles found in a wide range of environments, from soil to water to the bodies of humans and animals

ANSWERS: 102. regress, 103. photosynthesis, 104. protozoa

## Session 3: Fill in the Blanks

1. He \_\_\_\_\_ himself to studying the history of ancient civilizations.
  - v. to commit or dedicate oneself or one's time, effort, or energy to a particular task or purpose
  
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. Tapeworms are \_\_\_\_\_ that live in the intestines of humans and animals.
  - n. an organism that lives on or in another organism and benefits by deriving nutrients at the other's expense
  
4. The procession of demonstrators was \_\_\_\_\_ continuing.
  - adv. in a way that continues for a long time or seems to have no end or limit
  
5. He is proud of the \_\_\_\_\_ of the business.
  - n. the property of being long-lived; significant duration of service
  
6. The old wooden bridge was \_\_\_\_\_ and swayed with every step.
  - adj. wobbly, unsteady, and likely to collapse
  
7. Due to hunger, the lives of the refugees were in \_\_\_\_\_.
  - n. serious and great danger or risk
  
8. We cannot \_\_\_\_\_ her as President.
  - v. to imagine or expect what a situation will be like in the future

ANSWERS: 1. devoted, 2. starve, 3. parasites, 4. endlessly, 5. longevity, 6. rickety, 7. peril, 8. envision

9. 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
10. The public \_\_\_\_\_ was overflowing and causing a major health hazard.
- n.* a pit or tank used for the disposal of human waste or sewage
11. Glass \_\_\_\_\_ dishes are used to culture microorganisms.
- n.* (petri dish) a small, clear, and round dish with a lid used in laboratories, especially for growing bacteria
12. Floods have the potential to \_\_\_\_\_ any subsurface animals easily.
- v.* to die or cause to die by being unable to breathe underwater
13. The fishing village grew rapidly into a bustling \_\_\_\_\_.
- n.* a huge city, especially with a population of more than 10 million people
14. The abandoned house was \_\_\_\_\_ for years, with vines growing all over it.
- adj.* not touched or disturbed by anyone or anything; not having been altered, changed, or affected in any way
15. When I asked my father for more money, he became furious and \_\_\_\_\_ at me.
- v.* to shout in a sudden and loud way
16. The development team reported two \_\_\_\_\_ increases in performance.
- adj.* a hundred times as great or as much
17. Children must be taught to \_\_\_\_\_ our natural environment.
- v.* to protect something, especially the natural environment or culture, from change, damage, or destruction

ANSWERS: 9. microbiome, 10. cesspit, 11. petri, 12. drown, 13. megacity, 14. untouched, 15. yelled, 16. hundredfold, 17. conserve



18. The \_\_\_\_\_ planet Pluto is much smaller than earth and orbits the sun.  
*n.* a person or animal that is much smaller than usual or expected for its type; a celestial body, especially a planet, that is smaller and less massive than a star
19. He was very \_\_\_\_\_ and didn't believe anything anyone said unless he saw evidence for himself.  
*adj.* believing that people are motivated by self-interest; distrustful of human sincerity or integrity
20. Most of the people in the \_\_\_\_\_ community work in agriculture.  
*adj.* relating to the cultivation of land or the raising of crops and animals; characterized by a society that relies on agriculture as its primary means of sustenance
21. The government threatened to \_\_\_\_\_ the enemy territory if they didn't surrender.  
*v.* (derived from "nuclear") to attack or destroy a place or target with a nuclear weapon; to cook food in a microwave oven; (noun) a nuclear weapon, such as a nuclear bomb or missile
22. The company was fined for \_\_\_\_\_ environmental regulations.  
*v.* to break the law or moral code; to go beyond or exceed the limits or boundaries of something
23. The superhero wore a flowing \_\_\_\_\_ as part of their costume.  
*n.* a type of long, loose outer garment that covers the back, shoulders, and arms; a headland or promontory extending into the sea or other large body of water
24. Some areas melt snow by harnessing heat from underground \_\_\_\_\_.  
*n.* an underground layer of rock, sand, or Earth that can take in and hold water

ANSWERS: 18. dwarf, 19. cynical, 20. agrarian, 21. nuke, 22. transgressing, 23. cape, 24. aquifers

25. The boat had a \_\_\_\_\_ hull and needed to be patched.

*adj.* having a hole or crack that allows liquids or gases to pass through it

26. 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

27. The old building \_\_\_\_\_ in a fiery inferno.

*v.* to burst or break open violently and noisily; to cause something to burst or break open

28. The government plans to \_\_\_\_\_ the rural area by building more housing units and improving transportation infrastructure.

*v.* to make an area more urban in character or nature, often through the development and expansion of cities or towns

29. The railway workers had to \_\_\_\_\_ the train to a different track to clear the tracks.

*v.* to redirect or transfer something, often a flow of liquid or gas, to an alternative path or conduit; to move someone or something aside or out of the way; (noun) a device used to divert or redirect the flow of something, usually electrical current or fluid

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

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

31. The \_\_\_\_\_ unique shape helps it to escape from predators quickly.

*n.* marine invertebrate that belongs to the phylum Echinodermata, characterized by a five-armed body shape that resembles a star, typically found on or near the seafloor

ANSWERS: 25. leaky, 26. recycle, 27. exploded, 28. urbanize, 29. shunt, 30. biomes, 31. starfish's

32. The \_\_\_\_\_ tree was the perfect addition to the family's Christmas decorations.
- n.* a type of evergreen tree with short, stiff needles and small cones, often used as a decorative or ornamental tree; (adjective) neat, clean, or tidy in appearance
33. The expected profits from their new venture did not \_\_\_\_\_ as predicted.
- v.* to become actual or real; to take physical form or shape; to appear or come into existence in a tangible way
34. The political situation \_\_\_\_\_ the country's economic growth and foreign relations.
- v.* to restrict or limit someone or something's freedom or ability to do something
35. We strive not to \_\_\_\_\_ the environment when demolishing petroleum plants.
- v.* to make something impure, unclean, or poisonous by contact or mixture
36. Her unconcealed \_\_\_\_\_ made us unpleasant.
- n.* aggressive or unfriendly feelings or behavior
37. We are responsible for the care and \_\_\_\_\_ of all our employees.
- n.* the state of being happy and healthy and prosperous
38. The comedy group performed a hilarious \_\_\_\_\_ about life in quarantine.
- n.* a short, often humorous performative piece or act, typically performed in a comic or satirical tone or style, as part of a variety show or a theatrical or musical performance
39. We choose transportation that has a smaller carbon \_\_\_\_\_.
- n.* a mark of a foot, shoe, or animal's foot left on a surface

ANSWERS: 32. spruce, 33. materialize, 34. constrained, 35. contaminate, 36. hostility, 37. well-being, 38. skit, 39. footprint

40. Her \_\_\_\_\_ enthusiasm for the project helped to motivate the team.

*adj.* lacking restraint or control; unrestrained; unchecked, used to describe behaviors, emotions, or actions that are wild, excessive, or uncontrolled

41. He has an \_\_\_\_\_ to become a doctor.

*n.* a strong desire to achieve something; the action or process of drawing breath

42. The team's failure to win games has caused them to \_\_\_\_\_ in confidence.

*v.* to move or develop backward; to return to an earlier or less advanced state or condition; to decline or deteriorate

43. The \_\_\_\_\_ distinctive black and white stripes help it blend into its surroundings in the wild.

*n.* a wild, horse-like mammal native to Africa with distinctive black-and-white stripes

44. The flower was starting to show its \_\_\_\_ and would soon bloom into a beautiful blossom.

*n.* a small swelling on a plant stem or twig containing an undeveloped shoot

45. Her dress \_\_\_\_\_ in the sunlight as she walked down the street.

*v.* to shine with bright, sparkling light; to reflect light in a way that sparkles and shines

46. The promise of easy money turned out to be \_\_\_\_\_.

*adj.* not real or true; based on or having the nature of an illusion

47. Our system can now \_\_\_\_\_ with other databases.

*v.* to connect similar things

ANSWERS: 40. unbridled, 41. aspiration, 42. regress, 43. zebra's, 44. bud, 45. glittered, 46. illusory, 47. interconnect

48. The water in the lake was contaminated with high levels of \_\_\_\_\_ making it unsafe for swimming or drinking.

- n.* a diverse group of single-celled microorganisms that are classified as eukaryotic, meaning they have a distinct nucleus and other membrane-bound organelles found in a wide range of environments, from soil to water to the bodies of humans and animals

49. I ordered the \_\_\_\_\_ in a white wine sauce for dinner.

- n.* a type of shellfish that lives in freshwater or saltwater has a hard, elongated shell and is edible

50. Everyone was aware of the impending \_\_\_\_\_ but was unable to prevent it.

- n.* death, destruction, or some other terrible situation that cannot be avoided

51. 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.

52. He worked on improving the equipment using the freeze-\_\_\_\_\_ method.

- n.* the process of removing salt, especially from seawater

ANSWERS: 48. protozoa, 49. mussels, 50. doom, 51. photosynthesis, 52. desalination