

# Englist.me



## Vocabulary Builder Reference from...

*Bruce Friedrich: The next global agricultural revolution | TED Talk*

[https://www.ted.com/talks/bruce\\_friedrich\\_the\\_next\\_global\\_agricultural\\_revolution](https://www.ted.com/talks/bruce_friedrich_the_next_global_agricultural_revolution)

### All Words

#### IMPORTANT

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## Session 1: Word List

### warn

v. to make someone aware of potential danger or difficulty, particularly one that may occur in the future

*synonym*: alert, caution, admonish

(1) **warn** a reckless driver, (2) **warned** me of the plan  
I attempted to **warn** him, but he ignored me.

### release

v. to set free or allow to escape from confinement

*synonym*: free, let go, discharge

(1) **release** a prisoner, (2) **release** CO2 into the air  
The animal rights group worked to **release** the dolphins back into the wild.

### massive

*adj.* enormous amount; very heavy and solid

*synonym*: enormous, giant, immense

(1) **massive** amounts, (2) **massive** stars  
The recent economic downturn has resulted in **massive** layoffs.

### agriculture

*n.* the practice or science of cultivating the land or raising stock

*synonym*: farming, husbandry, agribusiness

(1) organic **agriculture**, (2) intensive **agriculture**

**Agriculture** is the foundation of our economy.

**declare**

v. to say, state, or announce something clearly, officially, or publicly

*synonym*: announce, state, affirm

(1) **declare** independence, (2) **declare** my love

Foreign goods from abroad must be **declared** to customs when entering a country.

**destroy**

v. to ruin or damage severely or completely; to eradicate or eliminate completely

*synonym*: demolish, ruin, obliterate

(1) **destroy** the ecosystem, (2) **destroyed** evidence

The building was **destroyed** in the fire and had to be rebuilt.

**planet**

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

*synonym*: earth, world, globe

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

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

**jeopardize**

v. to put something at risk or in danger; to threaten or endanger something or someone

*synonym*: endanger, imperil, risk

(1) **jeopardize** safety, (2) **jeopardize** reputation

His reckless behavior could **jeopardize** his chances of getting hired for the job.

**pose**

v. to present a risk, problem, or other issues that must be addressed

*synonym*: present, put, position

(1) **pose** a significant threat to my company, (2) **pose** a challenge

The chemicals **pose** a massive health risk.

## threat

*n.* a strong indication or likelihood of harm, danger, or adverse consequences; an expression of intent to inflict harm or injury on someone or something, often made as a means of coercion or intimidation

*synonym* : menace, danger, hazard

(1) economic **threat**, (2) environmental **threat**

The **threat** of severe weather prompted the city to issue an evacuation warning.

## stability

*n.* the quality or attribute of being firm and steadfast

*synonym* : resilience, solidity, steadiness

(1) **stability** pact, (2) fiscal **stability** pact

The policy should increase the country's monetary **stability**.

## revolution

*n.* a large-scale attempt to overthrow the government of a country, often using violence or war;

*synonym* : coup, innovation, rebellion

(1) beginning of the industrial **revolution**, (2) a political **revolution**

The **revolution** by the citizen resulted in a redistribution of wealth.

## advocate

*n.* a person who supports or suggests an idea, development, or way of doing something

*synonym* : proponent, exponent, promoter

(1) an **advocate** of disarmament, (2) public education

**advocates**

**Advocates** of abolishing the death penalty often argue that the alternative heaviest sentence should be life in prison.

## shift

*n.* a slight transition in position, direction, or trend

*synonym* : transition, change, modification

(1) Doppler **shift**, (2) major paradigm **shift**

Could you help me **shift** some furniture?

## industrial

*adj.* of or relating to or resulting from industry

*synonym* : manufacturing, mechanical

(1) beginning of the **industrial** revolution, (2) **industrial** alcohol

**Industrial** design has become more focused on human nature aspect than ever before.

## clarion

*n.* a loud, clear, and ringing sound, often used to signal an alarm, warning, or call to action; a type of medieval trumpet

*synonym*: trumpet, bugle, horn

(1) **clarion** tone, (2) the **clarion** sound of the trumpet

The **clarion** call for social justice has been made by activists worldwide.

## journal

*n.* a newspaper or magazine specialized in a specific topic or profession

*synonym*: periodical, diary, bulletin

(1) scientific **journal**, (2) **journal** articles

The physician is reading the **journals** related to medicine

## bioscience

*n.* a branch of science that deals with living organisms, including biology, physiology, genetics, ecology, and biotechnology

*synonym*: life science, biotech

(1) **bioscience** research, (2) **bioscience** industry

The university's **bioscience** program offers biology, genetics, and biotechnology courses.

## nation

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

*synonym*: country, state, sovereign entity

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

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

## academy

*n.* a school for special training; a type of official organization that aims to encourage and develop

standards in its particular field

*synonym* : school, institute, college

(1) an **academy** of music, (2) a member of the **Academy**  
Her new documentary earned her an **Academy** Award.

## climate

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

*synonym* : atmosphere, weather, environment

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

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

## antibiotic

*n.* a substance or drug that kills or slows down the growth of bacteria

*synonym* : antimicrobial, chemotherapeutic, germicide

(1) **antibiotic** resistance, (2) **antibiotic** allergy

He has been prescribed an **antibiotic** to treat his infection.

## resistance

*n.* the act of defending oneself from an aggressor or refusing to accept something

*synonym* : opposition, antagonism, defiance

(1) **resistance** movement, (2) **resistance** to insulin

The bill to increase the consumption tax had passed despite much **resistance** from the public.

## represent

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

*synonym* : depict, express, describe

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

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

## mutation

*n.* the way in which genes of a person, plant, animal, or other organism change and produce permanent differences

*synonym* :

metamorphosis, transformation, alteration

(1) **mutation** of DNA, (2) hereditary **mutation**

Radiation often promotes genetic **mutations** in plants and animals.

## superbug

*n.* a strain of bacteria that is resistant to multiple types of antibiotics, making it difficult or impossible to treat with traditional medications

*synonym*: super bacteria, antibiotic-resistant bacteria

(1) **superbug** outbreak, (2) **superbug** infection

The hospital is battling a **superbug** that is resistant to antibiotics.

## threaten

*v.* to utter intentions of injury or punishment against someone

*synonym*: endanger, terrorize, intimidate

(1) **threaten** a healthy relationship, (2) **threaten** national security

Various artificially induced causes are **threatening** our ecosystem.

## render

*v.* to bring someone or something into a particular state; to provide something such as service, help, etc.

*synonym*: deliver, give, provide

(1) **render** an assessment, (2) **render** the contract void

The jury must **render** a decision on this complex case.

## obsolete

*adj.* no longer in use or helpful because something newer or better has been invented and introduced

*synonym*: ancient, bygone, outdated

(1) an **obsolete** word, (2) become **obsolete**

New technology has rendered my old smartphone **obsolete**.

## lifetime

*n.* the duration of someone's life or something's existence;

*synonym*: lifespan, duration

(1) **lifetime** benefits, (2) **lifetime** ban from the sport

She had lived through two world wars in her **lifetime**.

## scare

*v.* to frighten a person or animal, or to become frightened  
*synonym*: frighten, spook, intimidate

(1) **scare** off her attacker by screaming, (2) **scare** the birds away

We hit the ground to **scare** out the rabbits.

## individual

*n.* a single person or thing, as distinct from a group  
*synonym*: person, being, self

(1) a private **individual**, (2) **individual** freedom

As an **individual**, he had the right to make his own decisions and live his life as he saw fit.

## convincing

*adj.* able to make someone believe that something is true  
*synonym*: clear, compelling, believable

(1) a **convincing** victory, (2) **convincing** biochemical explanation

I found her assertion pretty **convincing**.

## environmentalist

*n.* a person who is concerned with and advocates for the protection of the natural environment

*synonym*: conservationist

(1) dedicated **environmentalist**, (2) an **environmentalist** political party

The **environmentalist** lobby changed the mindset of many conservative politicians.

## beg

*v.* to ask for something urgently or earnestly; to appeal to someone to do something

*synonym*: plead, implore, entreat

(1) **beg** the question, (2) **beg** for help

She **begged** her parents to let her go to the concert.

## capita

*n.* a Latin word meaning "head," used to express the amount for each person; any head or headlike

expansion on a structure, as on a bone

*synonym* : head, headcount, person

(1) per **capita** sales, (2) the agricultural yield per **capita**  
GDP per **capita** shrunk by almost 10 percent for the third consecutive year.

## consumption

*n.* the amount used or eaten; the act of using up a resource such as energy, food, or materials

*synonym* : usage, uptake, utilization

(1) average fuel **consumption**, (2) the **consumption** of food

In our country, water **consumption** usually decreases during the winter.

## pound

*n.* the standard unit of money in the UK; the standard unit of weight equal to 16 ounces

(1) three-fourths of a **pound**, (2) thousands of **pounds**

The car's front bumper cost fifteen hundred **pounds**.

## trajectory

*n.* the curved path followed by an object moving through space

*synonym* : course, curve, orbit

(1) career **trajectory**, (2) a **trajectory** missile

The company has shown an excellent growth **trajectory** over the years.

## inefficiency

*n.* the lack of ability or effectiveness in producing the desired results or outcomes; the quality of being wasteful or unproductive

*synonym* : ineffectiveness, inefficacy, inadequacy

(1) **inefficiency** in the system, (2) bureaucratic **inefficiency**

The company's **inefficiency** in handling customer requests led to many complaints.

## 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.

## slaughter

*n.* the killing of a large number of animals or people brutally and indiscriminately; a violent and bloody event that results in the death of many individuals

*synonym*: thrashing, massacre, carnage

(1) **slaughter** of animals, (2) senseless **slaughter**

The **slaughter** of endangered animals must be stopped.

## brew

*v.* to make beer or tea by mixing a substance with hot water

*synonym*: make, prepare

(1) **brew** a cup of tea, (2) **brew** beer

I am going to **brew** some coffee this morning.

## consume

*v.* to spend something, especially fuel, energy, or time, in a large amount

*synonym*: absorb, ingest, use up

(1) **consume** a large of alcohol, (2) **consume** electricity

A smaller car will **consume** less fuel.

## distinguish

*v.* to notice or understand the difference between two people or things

*synonym*: determine, differentiate, characterize

(1) **distinguish** these two things, (2) **distinguish** man from the other animals

This study **distinguished** four different ways to run a business.

## fraction

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

*synonym*: piece, part, fragment

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

### **fraction**

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

### **adverse**

*adj.* unfavorable or harmful

*synonym*: hostile, detrimental, unfavorable

(1) **adverse** circumstances, (2) **adverse** reaction

The **adverse** weather conditions forced us to cancel the outdoor event.

### **efficient**

*adj.* performing at the highest level of productivity with the least wasted effort or resources; capable of achieving maximum output with minimum wasted effort, time, or materials

*synonym*: productive, effective, competent

(1) **efficient** operation, (2) energy- **efficient** appliances

The new washing machine is much more **efficient** than the old one.

### **fortune**

*n.* a large amount of money or property; chance or luck as an unknown and arbitrary force affecting human affairs

*synonym*: wealth, affluence, assets

(1) ill **fortune**, (2) bit of good **fortune**

Capitalism guarantees the right of ownership of personal **fortune**.

### **commercialize**

*v.* to make something available for sale or use on a large scale

*synonym*: monetize, capitalize, marketize

(1) **commercialize** my patents, (2) **commercialize** idea

The company is trying to **commercialize** its new product.

### **deck**

*n.* a flat surface that is usually made of wood or other material and is attached to a building, vehicle, or other structure

*synonym*: platform, veranda, patio

(1) **deck** chairs, (2) hands on **deck**

She sat on the ship's **deck**, watching the sunset over the ocean.

## industrious

*adj.* hardworking, diligent, and persistent in effort

*synonym* : diligent, hardworking, assiduous

(1) **industrious** worker, (2) **industrious** student

He was known to be very **industrious** and would often work late into the night.

## disrupt

*v.* to prevent or stop something, especially an event, activity, or process, from continuing in the usual way by causing a problem or disturbance

*synonym* : interrupt, disturb, break into

(1) **disrupt** a well-ordered condition, (2) **disrupt** sleep

I'm so sorry to **disrupt** you when you're pretty busy.

## transform

*v.* to change in outward structure or looks;

*synonym* : alter, convert, change

(1) **transform** an education system, (2) **transform** heat into power

My father's death **transformed** my life completely.

## economy

*n.* the system by which a country or region produces, manages, and distributes goods and services, including the money and finances involved in these activities; (of an airline) the lowest-priced, most basic option for seating in commercial travel

*synonym* : finance, trade, business

(1) **economy** of scale, (2) **economy** class

The **economy** of the country is struggling due to the recent political instability.

## chain

*n.* a series of connected links or objects; a system or group of interconnected elements; a restraint or shackle

*synonym* : series, string, link

(1) **chain** reaction, (2) supply **chain**

The **chain** on my bike broke, leaving me stranded.

## government

*n.* the group of people with authority to control a country or state

*synonym* : administration, regime, state

(1) **government** bureaucracy, (2) **government** funding

The federal **government** is planning to increase taxes for the next fiscal year.

## develop

*v.* to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created

*synonym* : evolve, progress, advance

(1) **develop** a strategy, (2) **develop** a skill

We must **develop** a new system to streamline our workflow and increase efficiency.

## environment

*n.* the natural world such as air, water, and land in which humans, animals, and plants live

*synonym* : atmosphere, surroundings, climate

(1) **environment** affairs, (2) chaotic **environment**

Every human is responsible for taking care of the Earth's **environment**.

## optimize

*v.* to make the best or most effective use of something

*synonym* : advance, amend, improve

(1) **optimize** a process, (2) **optimize** control for cooling

The essence of economics is to **optimize** the allocation of limited resources.

## resistant

*adj.* not affected by something, especially changes or new ideas; of or relating to immunity to disease or infection

*synonym* : unsusceptible, immune, invulnerable

(1) penicillin- **resistant** bacteria, (2) **resistant** to persuasion

Insects in urban areas are becoming **resistant** to insecticides.

## poorest

*adj.* having the least wealth or resources

*synonym* : impecunious, penniless, least

(1) **poorest** of the poor, (2) **poorest** area

The **poorest** countries in the world often have the highest rates of malnutrition.

## emergency

*n.* a sudden unforeseen crisis usually involving danger that requires immediate action

*synonym* : crisis, trouble, difficulty

(1) **emergency** action, (2) acute **emergency**

The president declared a state of **emergency**.

## exacerbate

*v.* to make a situation, problem, or feeling worse

*synonym* : worsen, aggravate, escalate

(1) **exacerbate** the situation, (2) **exacerbate** symptoms

The heat wave **exacerbated** the drought conditions.

## alternative

*n.* one of two or more available possibilities or choice

*synonym* : choice, option

(1) an **alternative** plan, (2) there is no other **alternative**

Doctors are gradually coming around to the idea of using **alternative** medicines.

## mobilize

*v.* to make something ready for action or use; to organize people or resources for a particular purpose

*synonym* : activate, rally, marshal

(1) **mobilize** cooperation, (2) **mobilize** a stiff joint

The military **mobilized** troops to the border.

## Session 2: Spelling

- |                                    |  |
|------------------------------------|--|
| 1. com_____ize my patents          | <i>v.</i> to make something available for sale or use on a large scale   |
| 2. ma_____e amounts                | <i>adj.</i> enormous amount; very heavy and solid  |
| 3. em_____cy action                | <i>n.</i> a sudden unforeseen crisis usually involving danger that requires immediate action                                       |
| 4. thousands of po__ds             | <i>n.</i> the standard unit of money in the UK; the standard unit of weight equal to 16 ounces                                     |
| 5. dedicated env_____ist           | <i>n.</i> a person who is concerned with and advocates for the protection of the natural environment                               |
| 6. a numerator in a fr_____on      | <i>n.</i> a small part or item forming a piece of a whole; the quotient of two rational numbers                                    |
| 7. penicillin-re_____nt bacteria   | <i>adj.</i> not affected by something, especially changes or new ideas; of or relating to immunity to disease or infection         |
| 8. hands on d__k                   | <i>n.</i> a flat surface that is usually made of wood or other material and is attached to a building, vehicle, or other structure |
| 9. career tra_____ry               | <i>n.</i> the curved path followed by an object moving through space   |
| 10. an env_____ist political party | <i>n.</i> a person who is concerned with and advocates for the protection of the natural environment                               |

ANSWERS: 1. commercialize, 2. massive, 3. emergency, 4. pound, 5. environmentalist, 6. fraction, 7. resistant, 8. deck, 9. trajectory, 10. environmentalist

11. di\_\_\_\_\_t sleep *v.* to prevent or stop something, especially an event, activity, or process, from continuing in the usual way by causing a problem or disturbance
12. sl\_\_\_\_\_er of animals *n.* the killing of a large number of animals or people brutally and indiscriminately; a violent and bloody event that results in the death of many individuals
13. th\_\_\_\_\_en a healthy relationship *v.* to utter intentions of injury or punishment against someone
14. a seafaring na\_\_\_\_n *n.* a large organized community of people living in a particular country or region and having a particular culture
15. di\_\_\_\_\_t a well-ordered condition *v.* to prevent or stop something, especially an event, activity, or process, from continuing in the usual way by causing a problem or disturbance
16. a private ind\_\_\_\_\_al *n.* a single person or thing, as distinct from a group
17. jo\_\_\_\_\_l articles *n.* a newspaper or magazine specialized in a specific topic or profession
18. intensive agr\_\_\_\_\_re *n.* the practice or science of cultivating the land or raising stock
19. gov\_\_\_\_\_nt funding *n.* the group of people with authority to control a country or state
20. li\_\_\_\_\_me benefits *n.* the duration of someone's life or something's existence;
21. re\_\_\_\_r the contract void *v.* to bring someone or something into a particular state; to provide something such as service, help, etc.

ANSWERS: 11. disrupt, 12. slaughter, 13. threaten, 14. nation, 15. disrupt, 16. individual, 17. journal, 18. agriculture, 19. government, 20. lifetime, 21. render

22. Doppler sh\_\_t *n.* a slight transition in position, direction, or trend
23. op\_\_\_\_ze a process *v.* to make the best or most effective use of something
24. w\_\_n a reckless driver *v.* to make someone aware of potential danger or difficulty, particularly one that may occur in the future
25. the characters that re\_\_\_\_\_nt numbers *v.* to speak, act, or be present on behalf of another person or group; to form or constitute
26. a member of the Ac\_\_\_\_y *n.* a school for special training; a type of official organization that aims to encourage and develop standards in its particular field
27. re\_\_\_\_\_e CO2 into the air *v.* to set free or allow to escape from confinement
28. b\_\_w a cup of tea *v.* to make beer or tea by mixing a substance with hot water
29. re\_\_\_\_\_nt to persuasion *adj.* not affected by something, especially changes or new ideas; of or relating to immunity to disease or infection
30. sc\_\_e the birds away *v.* to frighten a person or animal, or to become frightened
31. ma\_\_\_\_\_e stars *adj.* enormous amount; very heavy and solid
32. effects of cl\_\_\_\_\_e change *n.* the weather in a particular location averaged over some long period
33. con\_\_\_\_\_ng biochemical explanation *adj.* able to make someone believe that something is true

ANSWERS: 22. shift, 23. optimize, 24. warn, 25. represent, 26. academy, 27. release, 28. brew, 29. resistant, 30. scare, 31. massive, 32. climate, 33. convincing



34. bureaucratic ine\_\_\_\_\_ncy *n.* the lack of ability or effectiveness in producing the desired results or outcomes; the quality of being wasteful or unproductive
35. an ac\_\_\_\_\_y of music *n.* a school for special training; a type of official organization that aims to encourage and develop standards in its particular field
36. ind\_\_\_\_\_al freedom *n.* a single person or thing, as distinct from a group
37. senseless sl\_\_\_\_\_er *n.* the killing of a large number of animals or people brutally and indiscriminately; a violent and bloody event that results in the death of many individuals
38. dis\_\_\_\_\_sh these two things *v.* to notice or understand the difference between two people or things
39. op\_\_\_\_\_ze control for cooling *v.* to make the best or most effective use of something
40. de\_\_\_\_\_e my love *v.* to say, state, or announce something clearly, officially, or publicly
41. res\_\_\_\_\_ce to insulin *n.* the act of defending oneself from an aggressor or refusing to accept something
42. b\_\_w beer *v.* to make beer or tea by mixing a substance with hot water
43. supply ch\_\_n *n.* a series of connected links or objects; a system or group of interconnected elements; a restraint or shackle
44. jeo\_\_\_\_\_ze safety *v.* to put something at risk or in danger; to threaten or endanger something or someone

ANSWERS: 34. inefficiency, 35. academy, 36. individual, 37. slaughter, 38. distinguish, 39. optimize, 40. declare, 41. resistance, 42. brew, 43. chain, 44. jeopardize

45. tr\_\_\_\_\_rm heat into power      *v.* to change in outward structure or looks;
46. sc\_\_e off her attacker by screaming      *v.* to frighten a person or animal, or to become frightened
47. d\_\_k chairs      *n.* a flat surface that is usually made of wood or other material and is attached to a building, vehicle, or other structure
48. pl\_\_\_t like the Earth      *n.* any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star
49. ec\_\_\_\_\_y class      *n.* the system by which a country or region produces manages, and distributes goods and services, including the money and finances involved in these activities; (of an airline) the lowest-priced, most basic option for seating in commercial travel
50. na\_\_\_n-state      *n.* a large organized community of people living in a particular country or region and having a particular culture
51. the cl\_\_\_\_\_n sound of the trumpet      *n.* a loud, clear, and ringing sound, often used to signal an alarm, warning, or call to action; a type of medieval trumpet
52. b\_g the question      *v.* to ask for something urgently or earnestly; to appeal to someone to do something
53. an ob\_\_\_\_\_te word      *adj.* no longer in use or helpful because something newer or better has been invented and introduced

ANSWERS: 45. transform, 46. scare, 47. deck, 48. planet, 49. economy, 50. nation, 51. clarion, 52. beg, 53. obsolete

54. tr\_\_\_\_\_m an education system      *v.* to change in outward structure or looks;
55. dis\_\_\_\_\_sh man from the other animals      *v.* to notice or understand the difference between two people or things
56. re\_\_\_r an assessment      *v.* to bring someone or something into a particular state; to provide something such as service, help, etc.
57. a political rev\_\_\_\_\_on      *n.* a large-scale attempt to overthrow the government of a country, often using violence or war;
58. st\_\_\_\_\_ty pact      *n.* the quality or attribute of being firm and steadfast
59. a cold cl\_\_\_\_\_e      *n.* the weather in a particular location averaged over some long period
60. a tra\_\_\_\_\_ry missile      *n.* the curved path followed by an object moving through space
61. jeo\_\_\_\_\_ze reputation      *v.* to put something at risk or in danger; to threaten or endanger something or someone
62. de\_\_\_\_\_y the ecosystem      *v.* to ruin or damage severely or completely; to eradicate or eliminate completely
63. de\_\_\_\_\_p a strategy      *v.* to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created
64. su\_\_\_\_\_ug outbreak      *n.* a strain of bacteria that is resistant to multiple types of antibiotics, making it difficult or impossible to treat with traditional medications

ANSWERS: 54. transform, 55. distinguish, 56. render, 57. revolution, 58. stability, 59. climate, 60. trajectory, 61. jeopardize, 62. destroy, 63. develop, 64. superbug

- |  |             |  |
|--|-------------|--|
| 65. com_____ize idea                       | <i>v.</i>   | to make something available for sale or use on a large scale   |
| 66. energy-ef_____nt appliances            | <i>adj.</i> | performing at the highest level of productivity with the least wasted effort or resources; capable of achieving maximum output with minimum wasted effort, time, or materials  |
| 67. res_____ce movement                    | <i>n.</i>   | the act of defending oneself from an aggressor or refusing to accept something   |
| 68. beginning of the ind_____al revolution | <i>adj.</i> | of or relating to or resulting from industry   |
| 69. fiscal st_____ty pact                  | <i>n.</i>   | the quality or attribute of being firm and steadfast   |
| 70. an alt_____ve plan                     | <i>n.</i>   | one of two or more available possibilities or choice   |
| 71. th_____en national security            | <i>v.</i>   | to utter intentions of injury or punishment against someone  |
| 72. p__e a challenge                       | <i>v.</i>   | to present a risk, problem, or other issues that must be addressed   |
| 73. mu_____on of DNA                       | <i>n.</i>   | the way in which genes of a person, plant, animal, or other organism change and produce permanent differences  |
| 74. de_____p a skill                       | <i>v.</i>   | to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created |

ANSWERS: 65. commercialize, 66. efficient, 67. resistance, 68. industrial, 69. stability, 70. alternative, 71. threaten, 72. pose, 73. mutation, 74. develop

75. re\_\_\_\_\_e a prisoner *v.* to set free or allow to escape from confinement
76. ant\_\_\_\_\_ic resistance *n.* a substance or drug that kills or slows down the growth of bacteria
77. exa\_\_\_\_\_te symptoms *v.* to make a situation, problem, or feeling worse
78. de\_\_\_\_\_yed evidence *v.* to ruin or damage severely or completely; to eradicate or eliminate completely
79. ant\_\_\_\_\_ic allergy *n.* a substance or drug that kills or slows down the growth of bacteria
80. a fr\_\_\_\_\_onal share of the vote *n.* a small part or item forming a piece of a whole; the quotient of two rational numbers
81. bio\_\_\_\_\_ce research *n.* a branch of science that deals with living organisms, including biology, physiology, genetics, ecology, and biotechnology
82. economic th\_\_\_\_\_t *n.* a strong indication or likelihood of harm, danger, or adverse consequences; an expression of intent to inflict harm or injury on someone or something, often made as a means of coercion or intimidation
83. scientific jo\_\_\_\_\_l *n.* a newspaper or magazine specialized in a specific topic or profession
84. ef\_\_\_\_\_nt operation *adj.* performing at the highest level of productivity with the least wasted effort or resources; capable of achieving maximum output with minimum wasted effort, time, or materials

ANSWERS: 75. release, 76. antibiotic, 77. exacerbate, 78. destroy, 79. antibiotic, 80. fraction, 81. bioscience, 82. threat, 83. journal, 84. efficient

85. ec\_\_\_\_y of scale *n.* the system by which a country or region produces, manages, and distributes goods and services, including the money and finances involved in these activities; (of an airline) the lowest-priced, most basic option for seating in commercial travel
86. ch\_\_n reaction *n.* a series of connected links or objects; a system or group of interconnected elements; a restraint or shackle
87. a con\_\_\_\_\_ng victory *adj.* able to make someone believe that something is true
88. chaotic env\_\_\_\_\_nt *n.* the natural world such as air, water, and land in which humans, animals, and plants live
89. ad\_\_\_\_\_e circumstances *adj.* unfavorable or harmful
90. beginning of the industrial rev\_\_\_\_\_on *n.* a large-scale attempt to overthrow the government of a country, often using violence or war;
91. major paradigm sh\_\_t *n.* a slight transition in position, direction, or trend
92. p\_\_e a significant threat to my company *v.* to present a risk, problem, or other issues that must be addressed
93. ind\_\_\_\_\_al alcohol *adj.* of or relating to or resulting from industry
94. su\_\_\_\_\_ug infection *n.* a strain of bacteria that is resistant to multiple types of antibiotics, making it difficult or impossible to treat with traditional medications

ANSWERS: 85. economy, 86. chain, 87. convincing, 88. environment, 89. adverse, 90. revolution, 91. shift, 92. pose, 93. industrial, 94. superbug

95. save the pl\_\_\_t *n.* any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star
96. bio\_\_\_\_\_ce industry *n.* a branch of science that deals with living organisms, including biology, physiology, genetics, ecology, and biotechnology
97. gov\_\_\_\_\_nt bureaucracy *n.* the group of people with authority to control a country or state
98. exa\_\_\_\_\_te the situation *v.* to make a situation, problem, or feeling worse
99. organic agr\_\_\_\_\_re *n.* the practice or science of cultivating the land or raising stock
100. per ca\_\_\_a sales *n.* a Latin word meaning "head," used to express the amount for each person; any head or headlike expansion on a structure, as on a bone
101. re\_\_\_\_\_nt by a diagram *v.* to speak, act, or be present on behalf of another person or group; to form or constitute
102. ill fo\_\_\_\_\_e *n.* a large amount of money or property; chance or luck as an unknown and arbitrary force affecting human affairs
103. co\_\_\_\_\_e a large of alcohol *v.* to spend something, especially fuel, energy, or time, in a large amount
104. b\_g for help *v.* to ask for something urgently or earnestly; to appeal to someone to do something

ANSWERS: 95. planet, 96. bioscience, 97. government, 98. exacerbate, 99. agriculture, 100. capita, 101. represent, 102. fortune, 103. consume, 104. beg

105. po\_\_\_\_t area *adj.* having the least wealth or resources
106. po\_\_\_\_t of the poor *adj.* having the least wealth or resources
107. ad\_\_\_\_e reaction *adj.* unfavorable or harmful
108. bit of good fo\_\_\_\_e *n.* a large amount of money or property; chance or luck as an unknown and arbitrary force affecting human affairs
109. mi\_\_c a human voice *v.* to imitate someone's speech, movement, or behavior, especially to make others laugh
110. acute em\_\_\_\_cy *n.* a sudden unforeseen crisis usually involving danger that requires immediate action
111. de\_\_\_\_e independence *v.* to say, state, or announce something clearly, officially, or publicly
112. there is no other alt\_\_\_\_ve *n.* one of two or more available possibilities or choice
113. co\_\_\_\_e electricity *v.* to spend something, especially fuel, energy, or time, in a large amount
114. hereditary mu\_\_\_\_on *n.* the way in which genes of a person, plant, animal, or other organism change and produce permanent differences
115. mi\_\_c numerous instruments *v.* to imitate someone's speech, movement, or behavior, especially to make others laugh
116. mo\_\_\_\_ze a stiff joint *v.* to make something ready for action or use; to organize people or resources for a particular purpose

ANSWERS: 105. poorest, 106. poorest, 107. adverse, 108. fortune, 109. mimic, 110. emergency, 111. declare, 112. alternative, 113. consume, 114. mutation, 115. mimic, 116. mobilize



117. ind\_\_\_\_\_us student *adj.* hardworking, diligent, and persistent in effort
118. cl\_\_\_\_\_n tone *n.* a loud, clear, and ringing sound, often used to signal an alarm, warning, or call to action; a type of medieval trumpet
119. mo\_\_\_\_\_ze cooperation *v.* to make something ready for action or use; to organize people or resources for a particular purpose
120. average fuel con\_\_\_\_\_on *n.* the amount used or eaten; the act of using up a resource such as energy, food, or materials
121. environmental th\_\_\_\_\_t *n.* a strong indication or likelihood of harm, danger, or adverse consequences; an expression of intent to inflict harm or injury on someone or something, often made as a means of coercion or intimidation
122. become ob\_\_\_\_\_te *adj.* no longer in use or helpful because something newer or better has been invented and introduced
123. ind\_\_\_\_\_us worker *adj.* hardworking, diligent, and persistent in effort
124. the agricultural yield per ca\_\_\_\_\_a *n.* a Latin word meaning "head," used to express the amount for each person; any head or headlike expansion on a structure, as on a bone
125. the con\_\_\_\_\_on of food *n.* the amount used or eaten; the act of using up a resource such as energy, food, or materials

ANSWERS: 117. industrious, 118. clarion, 119. mobilize, 120. consumption, 121. threat, 122. obsolete, 123. industrious, 124. capita, 125. consumption

126. w\_\_ned me of the plan *v.* to make someone aware of potential danger or difficulty, particularly one that may occur in the future
127. ine\_\_\_\_\_ncy in the system *n.* the lack of ability or effectiveness in producing the desired results or outcomes; the quality of being wasteful or unproductive
128. an ad\_\_\_\_\_te of disarmament *n.* a person who supports or suggests an idea, development, or way of doing something
129. three-fourths of a po\_\_d *n.* the standard unit of money in the UK; the standard unit of weight equal to 16 ounces
130. li\_\_\_\_\_me ban from the sport *n.* the duration of someone's life or something's existence;
131. env\_\_\_\_\_nt affairs *n.* the natural world such as air, water, and land in which humans, animals, and plants live
132. public education ad\_\_\_\_\_tes *n.* a person who supports or suggests an idea, development, or way of doing something

ANSWERS: 126. warn, 127. inefficiency, 128. advocate, 129. pound, 130. lifetime, 131. environment, 132. advocate

## Session 3: Fill in the Blanks

1. The policy should increase the country's monetary \_\_\_\_\_.  
*n.* the quality or attribute of being firm and steadfast
2. His reckless behavior could \_\_\_\_\_ his chances of getting hired for the job.  
*v.* to put something at risk or in danger; to threaten or endanger something or someone
3. Insects in urban areas are becoming \_\_\_\_\_ to insecticides.  
*adj.* not affected by something, especially changes or new ideas; of or relating to immunity to disease or infection
4. The recent economic downturn has resulted in \_\_\_\_\_ layoffs.  
*adj.* enormous amount; very heavy and solid
5. Doctors are gradually coming around to the idea of using \_\_\_\_\_ medicines.  
*n.* one of two or more available possibilities or choice
6. We must \_\_\_\_\_ a new system to streamline our workflow and increase efficiency.  
*v.* to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created
7. The jury must \_\_\_\_\_ a decision on this complex case.  
*v.* to bring someone or something into a particular state; to provide something such as service, help, etc.

ANSWERS: 1. stability, 2. jeopardize, 3. resistant, 4. massive, 5. alternative, 6. develop, 7. render

8. As an \_\_\_\_\_ he had the right to make his own decisions and live his life as he saw fit.

*n.* a single person or thing, as distinct from a group

9. A smaller car will \_\_\_\_\_ less fuel.

*v.* to spend something, especially fuel, energy, or time, in a large amount

10. The \_\_\_\_\_ weather conditions forced us to cancel the outdoor event.

*adj.* unfavorable or harmful

11. \_\_\_\_\_ design has become more focused on human nature aspect than ever before.

*adj.* of or relating to or resulting from industry

12. The car's front bumper cost fifteen hundred \_\_\_\_\_.

*n.* the standard unit of money in the UK; the standard unit of weight equal to 16 ounces

13. The president declared a state of \_\_\_\_\_.

*n.* a sudden unforeseen crisis usually involving danger that requires immediate action

14. \_\_\_\_\_ is the foundation of our economy.

*n.* the practice or science of cultivating the land or raising stock

15. The \_\_\_\_\_ call for social justice has been made by activists worldwide.

*n.* a loud, clear, and ringing sound, often used to signal an alarm, warning, or call to action; a type of medieval trumpet

ANSWERS: 8. individual, 9. consume, 10. adverse, 11. Industrial, 12. pounds, 13. emergency, 14. Agriculture, 15. clarion

16. He spent only a \_\_\_\_\_ of his earnings.
- n.* a small part or item forming a piece of a whole; the quotient of two rational numbers
17. Foreign goods from abroad must be \_\_\_\_\_ to customs when entering a country.
- v.* to say, state, or announce something clearly, officially, or publicly
18. We elected him to \_\_\_\_\_ us at the international conference.
- v.* to speak, act, or be present on behalf of another person or group; to form or constitute
19. The federal \_\_\_\_\_ is planning to increase taxes for the next fiscal year.
- n.* the group of people with authority to control a country or state
20. The \_\_\_\_\_ of Japan is known for its unique culture and advanced technology.
- n.* a large organized community of people living in a particular country or region and having a particular culture
21. Every human is responsible for taking care of the Earth's \_\_\_\_\_.
- n.* the natural world such as air, water, and land in which humans, animals, and plants live
22. Capitalism guarantees the right of ownership of personal \_\_\_\_\_.
- n.* a large amount of money or property; chance or luck as an unknown and arbitrary force affecting human affairs
23. The hospital is battling a \_\_\_\_\_ that is resistant to antibiotics.
- n.* a strain of bacteria that is resistant to multiple types of antibiotics, making it difficult or impossible to treat with traditional medications

ANSWERS: 16. fraction, 17. declared, 18. represent, 19. government, 20. nation, 21. environment, 22. fortune, 23. superbug

24. She had lived through two world wars in her \_\_\_\_\_.
- n.* the duration of someone's life or something's existence;
25. She sat on the ship's \_\_\_\_\_ watching the sunset over the ocean.
- n.* a flat surface that is usually made of wood or other material and is attached to a building, vehicle, or other structure
26. The bill to increase the consumption tax had passed despite much \_\_\_\_\_ from the public.
- n.* the act of defending oneself from an aggressor or refusing to accept something
27. The new washing machine is much more \_\_\_\_\_ than the old one.
- adj.* performing at the highest level of productivity with the least wasted effort or resources; capable of achieving maximum output with minimum wasted effort, time, or materials
28. GDP per \_\_\_\_\_ shrunk by almost 10 percent for the third consecutive year.
- n.* a Latin word meaning "head," used to express the amount for each person; any head or headlike expansion on a structure, as on a bone
29. 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
30. Mercury is the closest \_\_\_\_\_ to the sun.
- n.* any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star
31. \_\_\_\_\_ and weather have an impact on every part of our lifestyles.
- n.* the weather in a particular location averaged over some long period

ANSWERS: 24. lifetime, 25. deck, 26. resistance, 27. efficient, 28. capita, 29. mimic, 30. planet, 31. Climate

32. The physician is reading the \_\_\_\_\_ related to medicine
- n.* a newspaper or magazine specialized in a specific topic or profession
33. She \_\_\_\_\_ her parents to let her go to the concert.
- v.* to ask for something urgently or earnestly; to appeal to someone to do something
34. The \_\_\_\_\_ of severe weather prompted the city to issue an evacuation warning.
- n.* a strong indication or likelihood of harm, danger, or adverse consequences; an expression of intent to inflict harm or injury on someone or something, often made as a means of coercion or intimidation
35. The building was \_\_\_\_\_ in the fire and had to be rebuilt.
- v.* to ruin or damage severely or completely; to eradicate or eliminate completely
36. I'm so sorry to \_\_\_\_\_ you when you're pretty busy.
- v.* to prevent or stop something, especially an event, activity, or process, from continuing in the usual way by causing a problem or disturbance
37. The animal rights group worked to \_\_\_\_\_ the dolphins back into the wild.
- v.* to set free or allow to escape from confinement
38. We hit the ground to \_\_\_\_\_ out the rabbits.
- v.* to frighten a person or animal, or to become frightened
39. \_\_\_\_\_ of abolishing the death penalty often argue that the alternative heaviest sentence should be life in prison.
- n.* a person who supports or suggests an idea, development, or way of doing something

ANSWERS: 32. journals, 33. begged, 34. threat, 35. destroyed, 36. disrupt, 37. release, 38. scare, 39. Advocates

40. The university's \_\_\_\_\_ program offers biology, genetics, and biotechnology courses.
- n.* a branch of science that deals with living organisms, including biology, physiology, genetics, ecology, and biotechnology
41. In our country, water \_\_\_\_\_ usually decreases during the winter.
- n.* the amount used or eaten; the act of using up a resource such as energy, food, or materials
42. New technology has rendered my old smartphone \_\_\_\_\_.
- adj.* no longer in use or helpful because something newer or better has been invented and introduced
43. The \_\_\_\_\_ lobby changed the mindset of many conservative politicians.
- n.* a person who is concerned with and advocates for the protection of the natural environment
44. Could you help me \_\_\_\_\_ some furniture?
- n.* a slight transition in position, direction, or trend
45. The \_\_\_\_\_ countries in the world often have the highest rates of malnutrition.
- adj.* having the least wealth or resources
46. The military \_\_\_\_\_ troops to the border.
- v.* to make something ready for action or use; to organize people or resources for a particular purpose
47. I am going to \_\_\_\_\_ some coffee this morning.
- v.* to make beer or tea by mixing a substance with hot water

ANSWERS: 40. bioscience, 41. consumption, 42. obsolete, 43. environmentalist, 44. shift, 45. poorest, 46. mobilized, 47. brew



48. My father's death \_\_\_\_\_ my life completely.

*v.* to change in outward structure or looks;

49. The \_\_\_\_\_ of the country is struggling due to the recent political instability.

*n.* the system by which a country or region produces manages, and distributes goods and services, including the money and finances involved in these activities; (of an airline) the lowest-priced, most basic option for seating in commercial travel

50. The chemicals \_\_\_\_\_ a massive health risk.

*v.* to present a risk, problem, or other issues that must be addressed

51. I found her assertion pretty \_\_\_\_\_.

*adj.* able to make someone believe that something is true

52. The heat wave \_\_\_\_\_ the drought conditions.

*v.* to make a situation, problem, or feeling worse

53. The \_\_\_\_\_ by the citizen resulted in a redistribution of wealth.

*n.* a large-scale attempt to overthrow the government of a country, often using violence or war;

54. The company is trying to \_\_\_\_\_ its new product.

*v.* to make something available for sale or use on a large scale

55. The \_\_\_\_\_ of endangered animals must be stopped.

*n.* the killing of a large number of animals or people brutally and indiscriminately; a violent and bloody event that results in the death of many individuals

ANSWERS: 48. transformed, 49. economy, 50. pose, 51. convincing, 52. exacerbated, 53. revolution, 54. commercialize, 55. slaughter

56. He has been prescribed an \_\_\_\_\_ to treat his infection.  
*n.* a substance or drug that kills or slows down the growth of bacteria
57. The \_\_\_\_\_ on my bike broke, leaving me stranded.  
*n.* a series of connected links or objects; a system or group of interconnected elements; a restraint or shackle
58. The company's \_\_\_\_\_ in handling customer requests led to many complaints.  
*n.* the lack of ability or effectiveness in producing the desired results or outcomes; the quality of being wasteful or unproductive
59. Various artificially induced causes are \_\_\_\_\_ our ecosystem.  
*v.* to utter intentions of injury or punishment against someone
60. The essence of economics is to \_\_\_\_\_ the allocation of limited resources.  
*v.* to make the best or most effective use of something
61. Radiation often promotes genetic \_\_\_\_\_ in plants and animals.  
*n.* the way in which genes of a person, plant, animal, or other organism change and produce permanent differences
62. He was known to be very \_\_\_\_\_ and would often work late into the night.  
*adj.* hardworking, diligent, and persistent in effort
63. Her new documentary earned her an \_\_\_\_\_ Award.  
*n.* a school for special training; a type of official organization that aims to encourage and develop standards in its particular field

ANSWERS: 56. antibiotic, 57. chain, 58. inefficiency, 59. threatening, 60. optimize, 61. mutations, 62. industrious, 63. Academy

64. The company has shown an excellent growth \_\_\_\_\_ over the years.

*n.* the curved path followed by an object moving through space

65. This study \_\_\_\_\_ four different ways to run a business.

*v.* to notice or understand the difference between two people or things

66. I attempted to \_\_\_\_\_ him, but he ignored me.

*v.* to make someone aware of potential danger or difficulty, particularly one that may occur in the future

ANSWERS: 64. trajectory, 65. distinguished, 66. warn