

# Englist.me



## Vocabulary Builder Reference from...

*James Hansen: Why I must speak out about climate change | TED Talk*

[https://www.ted.com/talks/james\\_hansen\\_why\\_i\\_must\\_speak\\_out\\_about\\_climate\\_change](https://www.ted.com/talks/james_hansen_why_i_must_speak_out_about_climate_change)

### Advanced Words Only

#### IMPORTANT

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## Session 1: Word List

### reticent

*adj.* disposed to be silent or uncommunicative; restrained or reluctant to speak; inclined to keep one's thoughts or feelings to oneself

*synonym* : reserved, quiet, introverted

(1) **reticent** nature, (2) **reticent** response

He was always **reticent** about his personal life and rarely shared any details with others.

### Venus

*n.* the planet second in order from the sun

(1) **Venus** orbiter, (2) surface of **Venus**

They launched a rocket toward **Venus**.

### ionosphere

*n.* the region of the Earth's atmosphere that starts at about 50 kilometers above the surface and extends into outer space, containing a high concentration of ions and free electrons

*synonym* : upper atmosphere, atmosphere, stratosphere

(1) upper **ionosphere**, (2) mid-latitude **ionosphere**

Scientists use **ionosphere** monitoring stations to keep track of solar activities and their impact on our planet.

### veil

*n.* a piece of fine cloth worn by women to cover or conceal the face; (verb) to cover, conceal, or obscure

*synonym* : cover, mask, (verb) conceal

(1) **veil** of mystery, (2) **veil** her face

He lifted her **veil** with both hands.

## smog

*n.* a type of air pollution that forms a mixture of smoke and fog resulting from the combustion of fossil fuels, industrial activity, and motor vehicle emissions in urban areas

*synonym* : smog, haze, pollution

(1) **smog** alert, (2) toxic **smog**

The heavy **smog** in the city was causing health issues for the residents.

## resigned

*adj.* having accepted something unpleasant or difficult, particularly a job or situation, without complaint or resistance; accepting one's fate or circumstances

*synonym* : submissive, acquiescent, passive

(1) with a **resigned** voice, (2) **resigned** to their fate

She had a **resigned** look on her face when she realized that she had lost the race.

## physicist

*n.* a scientist who specializes in the field of physics

(1) talented **physicist**, (2) theoretical **physicist**

Einstein was an outstanding and famous **physicist** of the 20th century.

## fable

*n.* a short story, often with animal characters, that teaches a general truth or a moral lesson

*synonym* : fantasy, story, legend

(1) classic **fable**, (2) moralize a **fable**

In his speech, he quoted a passage from a well-known **fable**.

## latent

*adj.* existing but not yet expressed, active, or visible; hidden or dormant

*synonym* : dormant, inactive, potential

(1) **latent** desire, (2) **latent** threat

Many people have **latent** talents they are not aware of.

### time-consuming

*adj.* requiring a significant amount of time or effort to complete

*synonym*: lengthy, prolonged, protracted

(1) **time-consuming** project, (2) **time-consuming** process  
Writing a research paper can be a **time-consuming** task.

### distracted

*adj.* having one's attention diverted or divided; being unable to concentrate because of being preoccupied or worried

*synonym*: preoccupied, inattentive, absent-minded

(1) get **distracted** by an urgent matter, (2) **distracted** by a conversation

I was so **distracted** by my phone that I nearly walked into a lamppost.

### grandchild

*n.* a child of someone's son or daughter

*synonym*: offspring, descendant, progeny

(1) **grandchild-grandparent** relationship, (2) **grandchild** development

The grandparents take care of their **grandchild** while the parents are at work.

### geophysical

*adj.* relating to the physical characteristics and processes of the Earth and its surrounding atmospheres, such as geology, meteorology, and oceanography

*synonym*: geologic, earth science, seismic

(1) **geophysical** exploration, (2) **geophysical** data

**Geophysical** surveys study the physical characteristics of the Earth's surface and subsurface.

### headquarter

*n.* the central office or location from which a business or organization is managed

*synonym*: base, center, command

(1) administrative **headquarter**, (2) an emergency **headquarter**

The company decided to move its **headquarters** to New York City.

## aft

*adj.* (the opposite of "forward") located at or towards the rear or back of a ship, aircraft, or other vehicle

(1) **aft** cabin, (2) **aft** view

The **aft** section of the ship suffered significant damage after the collision with the reef.

## imbalance

*n.* a situation in which two or more things are not equal or equally treated

*synonym*: inequality, asymmetry, instability

(1) trade **imbalance**, (2) symptoms of hormonal **imbalance**

An **imbalance** in certain substances causes problems with brain function.

## radiate

*v.* to spread out or emit something, such as light or heat, in all directions

*synonym*: give off, scatter, beam

(1) **radiate** an aura, (2) **radiate** in all directions

Roads **radiate** from the famous building in the center of the city.

## rev

*n.* a measure of the rate at which an engine or motor rotates, often expressed in revolutions per minute (RPM); (verb) to increase the number of rotations per minute

*synonym*: revolution, RPM, speed

(1) low- **rev** engine, (2) **rev** up the crowd

He stepped on the gas pedal, and the engine released a loud **rev**.

## 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.

## stabilize

v. to become or cause to become steady or unlikely to give way

*synonym*: brace, steady, secure

(1) **stabilize** prices, (2) **stabilize** blood sugar levels

The raising of interest rates **stabilizes** the inflation rate.

## ppm

n. an abbreviation for "parts per million," used to express the concentration of a substance in a solution or mixture

*synonym*: parts per million, concentration, proportion

(1) **ppm** volume fraction, (2) **ppm** level

According to the World Health Organization, the recommended safe lead level in drinking water is 15 **ppm**.

## overwhelm

v. to defeat someone or something by using a great deal of force; to have a strong emotional effect on somebody

*synonym*: conquer, crush, dominate

(1) he was **overwhelmed** with gratitude, (2) **overwhelm** opponents by numbers

Too much variety may **overwhelm** and confuse viewers.

## snowflake

n. a small, thin, delicate piece of snow; a person, especially a young person, who is perceived as overly sensitive, easily offended, or with an inflated sense of entitlement

*synonym*: flake, crystal, ice pellet

(1) delicate **snowflake**, (2) **snowflake** pattern

The Christmas tree was beautifully decorated with delicate **snowflake** ornaments.

## confuse

v. to mistake one thing for another; to make somebody hard to understand

*synonym*: confound, obscure, disorient

(1) **confuse** the listener, (2) **confuse** fantasy with reality

Her remarks **confused** the debate.

## methane

*n.* a chemical compound with the chemical formula CH<sub>4</sub> with no smell or color, often used as a fuel  
(1) atmospheric **methane**, (2) reduce **methane** emissions  
The ignition of **methane** gas in the plant killed five employees.

## amplify

*v.* to enhance something, particularly sound or brightness  
*synonym*: intensify, boost, argument  
(1) **amplify** a signal, (2) **amplify** the effect  
You might need to **amplify** this point.

## oscillate

*v.* to swing or move back and forth like a pendulum or a wave; to fluctuate or alternate between two points or states; to hesitate or be indecisive  
*synonym*: fluctuate, swing, vibrate  
(1) **oscillate** back and forth, (2) **oscillate** between joy and anger  
The fan in the room **oscillates**, making the airflow more evenly.

## permafrost

*n.* a layer of soil that is permanently below freezing, usually in polar regions  
(1) **permafrost** area, (2) thawing **permafrost**  
**Permafrost** is crucial to soil stability in arctic areas.

## disintegrate

*v.* break or cause to break into small fragments  
*synonym*: shatter, crumble, break down  
(1) **disintegrate** in an explosion, (2) **disintegrate** over time  
The vase **disintegrated** into pieces when it fell to the ground.

## shoreline

*n.* a line that separates land and sea  
(1) **shoreline** erosion, (2) coral-reef **shoreline**  
Flooding occurs along the city's **shoreline** due to the storm surge.

## unthinkable

*adj.* too unlikely or shocking to imagine or accept

*synonym*: impossible, inconceivable, outlandish

(1) an **unthinkable** coincidence, (2) in **unthinkable** trouble

That accident was something **unthinkable** with my long experience.

## devastation

*n.* the act of causing great destruction or damage, often on a large scale

*synonym*: destruction, ruin, havoc

(1) financial **devastation**, (2) **devastation** to life

The economic recession caused **devastation** in the housing market, with many people losing their homes.

## reprehensible

*adj.* deserving of criticism or condemnation due to being morally wrong, shameful, or improper

*synonym*: blameworthy, objectionable, shameful

(1) **reprehensible** behavior, (2) **reprehensible** act

It is **reprehensible** to discriminate against someone based on their race or gender.

## exterminate

*v.* to destroy completely, often referring to the eradication of pests or weeds

*synonym*: eradicate, eliminate, wipe out

(1) **exterminate** pests, (2) **exterminate** communism

The government **exterminated** the invasive species to protect native plants and animals.

## monarch

*n.* a person who rules a country, such as a king or queen

*synonym*: ruler, sovereign, majesty

(1) an absolute **monarch**, (2) **monarch** butterflies

She came from a commoner background but eventually became the **monarch** of that country.

## heatwave

*n.* a prolonged period of hot and dry weather, often accompanied by high humidity and extreme temperatures; a sensation of intense heat, often caused by exposure to hot or humid conditions

(1) summer **heatwave**, (2) dangerous **heatwave**

The crops in the farming community have been significantly affected by the prolonged **heatwave**, leading to concerns about food security.

## deviate

*v.* to depart from an established course or plan; to change direction or take a different route or approach

*synonym*: stray, diverge, veer

(1) **deviate** from the norm, (2) **deviate** from the plan

It's important not to **deviate** from the established safety procedures.

## anomaly

*n.* something or someone that deviates from what is expected or normal, often in a way that is difficult to explain or understand

*synonym*: abnormality, irregularity, deviation

(1) **anomaly** detection, (2) global temperature **anomaly**

The sudden drop in the stock market was an **anomaly** that puzzled many investors.

## immoral

*adj.* not conforming to accepted society's standards of honesty or morality

*synonym*: unethical, wicked, corrupt

(1) **immoral** behavior, (2) politically **immoral**

It is **immoral** to cheat on a test.

## 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.

## dime

*n.* an American or Canadian coin worth one-tenth of a dollar



(1) **dime** store, (2) behind a **dime**

He never received a **dime**, even from the company of a close friend.

## republican

*n.* a person who supports or advocates for a particular form of government, typically one that has an elected head of state rather than a monarch; a member or supporter of the Republican Party in the United States

*synonym*: conservative, right-winger, rightist

(1) **republican** ideology, (2) **Republican** party

Many **republican** lawmakers are advocating for stricter immigration policies.

## sever

*v.* to break or separate something by cutting, especially suddenly and forcibly

*synonym*: cut apart, separate, detach

(1) **sever** a rope, (2) **sever** a positive relationship

He **severed** a branch from a tree quickly.

## subsidize

*v.* to pay part of the cost of something to support an organization, activity, etc. financially

*synonym*: finance, endow, sponsor

(1) **subsidize** the project, (2) **subsidize** the cost

Governments **subsidize** renewable energy generation in various ways.

## frack

*v.* to inject water and chemicals into the ground at high pressure to fracture the rock and release the gas or oil, especially to extract them

*synonym*: extract, drill, mine

(1) **frack** the land, (2) **frack** multiple wells

The energy company plans to **frack** the shale deposit to extract natural gas.

## shale

*n.* a sedimentary rock formed from the accumulation of fine-grained clay, silt, or mud, often used in construction or as a source of fuel

*synonym* : rock, sedimentary rock

(1) **shale** rock, (2) **shale** gas

The geologist studied the **shale** layers in the rock formations to determine their age.

## arctic

*adj.* of or relating to the region around the North Pole or the Arctic Ocean; very cold

*synonym* : cold, frozen, polar

(1) **arctic** ice, (2) high **arctic**

Cold temperatures and long, dark winters characterize the **arctic** climate.

## disintegration

*n.* the process of something breaking down or falling apart physically or metaphorically; the state of being weakened or destroyed

*synonym* : decay, collapse, decomposition

(1) **disintegration** process, (2) cultural **disintegration**

The **disintegration** of the old bridge was a warning sign of its impending collapse.

## intensify

*v.* to increase or make something increase in extent or strength

*synonym* : amplify, boost, strengthen

(1) **intensify** diplomatic efforts, (2) **intensify** a good relationship

Rebels have pledged to **intensify** the armed struggle against the dictatorship.

## 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.

## asteroid

*n.* a small rocky body orbiting the sun, typically in the region between Mars and Jupiter

*synonym*: minor planet, planetoid, rocky planetesimal

(1) **asteroid** mining, (2) **asteroid** explorer

Scientists are studying the composition and origins of the **asteroid** belt to understand the early solar system better.

## dither

*v.* to be indecisive or unsure about something; to tremble or shake with nervousness or excitement

*synonym*: hesitate, waver, vacillate

(1) **dither** over a decision, (2) **dither** in negotiations

I couldn't decide what to wear to the party, so I **dithered** over my outfit for hours.

## divert

*v.* to change the course or direction of something, often away from a specific path or target; to entertain or amuse someone, often to distract them from a problem or concern; to appropriate something for a different purpose

*synonym*: distract, redirect, sidetrack

(1) **divert** attention, (2) **divert** an assault

Due to the road construction, we had to **divert** our course to get to the restaurant.

## Session 2: Spelling

1. dis\_\_\_\_\_ate in an explosion      *v.* break or cause to break into small fragments
2. im\_\_\_\_\_l behavior      *adj.* not conforming to accepted society's standards of honesty or morality
3. tim\_\_\_\_\_ing project      *adj.* requiring a significant amount of time or effort to complete
4. an\_\_\_\_\_y detection      *n.* something or someone that deviates from what is expected or normal, often in a way that is difficult to explain or understand
5. fr\_\_k the land      *v.* to inject water and chemicals into the ground at high pressure to fracture the rock and release the gas or oil, especially to extract them
6. os\_\_\_\_\_te back and forth      *v.* to swing or move back and forth like a pendulum or a wave; to fluctuate or alternate between two points or states; to hesitate or be indecisive
7. ext\_\_\_\_\_te communism      *v.* to destroy completely, often referring to the eradication of pests or weeds
8. geo\_\_\_\_\_al data      *adj.* relating to the physical characteristics and processes of the Earth and its surrounding atmospheres, such as geology, meteorology, and oceanography
9. sh\_\_e gas      *n.* a sedimentary rock formed from the accumulation of fine-grained clay, silt, or mud, often used in construction or as a source of fuel

ANSWERS: 1. disintegrate, 2. immoral, 3. time-consuming, 4. anomaly, 5. frack, 6. oscillate, 7. exterminate, 8. geophysical, 9. shale

10. financial dev\_\_\_\_\_on *n.* the act of causing great destruction or damage, often on a large scale
11. fr\_\_k multiple wells *v.* to inject water and chemicals into the ground at high pressure to fracture the rock and release the gas or oil, especially to extract them
12. mid-latitude ion\_\_\_\_\_re *n.* the region of the Earth's atmosphere that starts at about 50 kilometers above the surface and extends into outer space, containing a high concentration of ions and free electrons
13. v\_\_l of mystery *n.* a piece of fine cloth worn by women to cover or conceal the face; (verb) to cover, conceal, or obscure
14. ext\_\_\_\_\_te pests *v.* to destroy completely, often referring to the eradication of pests or weeds
15. d\_\_e store *n.* an American or Canadian coin worth one-tenth of a dollar
16. a\_t cabin *adj.* (the opposite of "forward") located at or towards the rear or back of a ship, aircraft, or other vehicle
17. rep\_\_\_\_\_an ideology *n.* a person who supports or advocates for a particular form of government, typically one that has an elected head of state rather than a monarch; a member or supporter of the Republican Party in the United States
18. re\_\_\_\_\_nt nature *adj.* disposed to be silent or uncommunicative; restrained or reluctant to speak; inclined to keep one's thoughts or feelings to oneself

ANSWERS: 10. devastation, 11. frack, 12. ionosphere, 13. veil, 14. exterminate, 15. dime, 16. aft, 17. republican, 18. reticent

19. surface of Ve\_\_s *n.* the planet second in order from the sun
20. dev\_\_\_\_\_on to life *n.* the act of causing great destruction or damage, often on a large scale
21. la\_\_\_t threat *adj.* existing but not yet expressed, active, or visible; hidden or dormant
22. summer he\_\_\_\_\_ve *n.* a prolonged period of hot and dry weather, often accompanied by high humidity and extreme temperatures; a sensation of intense heat, often caused by exposure to hot or humid conditions
23. gra\_\_\_\_\_ld-grandparent relationship *n.* a child of someone's son or daughter
24. reduce me\_\_\_\_\_e emissions *n.* a chemical compound with the chemical formula CH<sub>4</sub> with no smell or color, often used as a fuel
25. behind a d\_\_e *n.* an American or Canadian coin worth one-tenth of a dollar
26. get dis\_\_\_\_\_ed by an urgent matter *adj.* having one's attention diverted or divided; being unable to concentrate because of being preoccupied or worried
27. classic fa\_\_e *n.* a short story, often with animal characters, that teaches a general truth or a moral lesson
28. dis\_\_\_\_\_ate over time *v.* break or cause to break into small fragments
29. am\_\_\_\_\_y the effect *v.* to enhance something, particularly sound or brightness
30. in\_\_\_\_\_fy a good relationship *v.* to increase or make something increase in extent or strength

ANSWERS: 19. Venus, 20. devastation, 21. latent, 22. heatwave, 23. grandchild, 24. methane, 25. dime, 26. distracted, 27. fable, 28. disintegrate, 29. amplify, 30. intensify

31. su\_\_\_\_\_ze the cost      *v.* to pay part of the cost of something to support an organization, activity, etc. financially
32. as\_\_\_\_\_id explorer      *n.* a small rocky body orbiting the sun, typically in the region between Mars and Jupiter
33. gra\_\_\_\_\_ld development      *n.* a child of someone's son or daughter
34. thawing per\_\_\_\_\_st      *n.* a layer of soil that is permanently below freezing, usually in polar regions
35. s\_\_g alert      *n.* a type of air pollution that forms a mixture of smoke and fog resulting from the combustion of fossil fuels, industrial activity, and motor vehicle emissions in urban areas
36. de\_\_\_\_\_e from the plan      *v.* to depart from an established course or plan; to change direction or take a different route or approach
37. administrative hea\_\_\_\_\_er      *n.* the central office or location from which a business or organization is managed
38. dangerous he\_\_\_\_\_ve      *n.* a prolonged period of hot and dry weather, often accompanied by high humidity and extreme temperatures; a sensation of intense heat, often caused by exposure to hot or humid conditions
39. toxic s\_\_g      *n.* a type of air pollution that forms a mixture of smoke and fog resulting from the combustion of fossil fuels, industrial activity, and motor vehicle emissions in urban areas

ANSWERS: 31. subsidize, 32. asteroid, 33. grandchild, 34. permafrost, 35. smog, 36. deviate, 37. headquarter, 38. heatwave, 39. smog

40. ov\_\_\_\_\_lm opponents by numbers      *v.* to defeat someone or something by using a great deal of force; to have a strong emotional effect on somebody
41. re\_\_\_\_\_ed to their fate      *adj.* having accepted something unpleasant or difficult, particularly a job or situation, without complaint or resistance; accepting one's fate or circumstances
42. theoretical ph\_\_\_\_\_st      *n.* a scientist who specializes in the field of physics
43. se\_\_r a positive relationship      *v.* to break or separate something by cutting, especially suddenly and forcibly
44. atmospheric me\_\_\_\_\_e      *n.* a chemical compound with the chemical formula CH<sub>4</sub> with no smell or color, often used as a fuel
45. ra\_\_\_\_\_e an aura      *v.* to spread out or emit something, such as light or heat, in all directions
46. co\_\_\_\_\_e fantasy with reality      *v.* to mistake one thing for another; to make somebody hard to understand
47. tim\_\_\_\_\_ing process      *adj.* requiring a significant amount of time or effort to complete
48. di\_\_\_\_r over a decision      *v.* to be indecisive or unsure about something; to tremble or shake with nervousness or excitement
49. high ar\_\_\_\_c      *adj.* of or relating to the region around the North Pole or the Arctic Ocean; very cold
50. os\_\_\_\_\_te between joy and anger      *v.* to swing or move back and forth like a pendulum or a wave; to fluctuate or alternate between two points or states; to hesitate or be indecisive

ANSWERS: 40. overwhelm, 41. resigned, 42. physicist, 43. sever, 44. methane, 45. radiate, 46. confuse, 47. time-consuming, 48. dither, 49. arctic, 50. oscillate



51. Rep\_\_\_\_\_an party *n.* a person who supports or advocates for a particular form of government, typically one that has an elected head of state rather than a monarch; a member or supporter of the Republican Party in the United States
52. global temperature an\_\_\_\_\_y *n.* something or someone that deviates from what is expected or normal, often in a way that is difficult to explain or understand
53. su\_\_\_\_\_ze the project *v.* to pay part of the cost of something to support an organization, activity, etc. financially
54. de\_\_\_\_\_e from the norm *v.* to depart from an established course or plan; to change direction or take a different route or approach
55. di\_\_\_\_t attention *v.* to change the course or direction of something, often away from a specific path or target; to entertain or amuse someone, often to distract them from a problem or concern; to appropriate something for a different purpose
56. dis\_\_\_\_\_ion process *n.* the process of something breaking down or falling apart physically or metaphorically; the state of being weakened or destroyed
57. se\_\_r a rope *v.* to break or separate something by cutting, especially suddenly and forcibly
58. coal fa\_\_\_\_e *n.* a severe shortage of food, often caused by drought, war, or economic reasons

ANSWERS: 51. republican, 52. anomaly, 53. subsidize, 54. deviate, 55. divert, 56. disintegration, 57. sever, 58. famine

59. fa\_\_\_e relief *n.* a severe shortage of food, often caused by drought, war, or economic reasons
60. p\_m level *n.* an abbreviation for "parts per million," used to express the concentration of a substance in a solution or mixture
61. co\_\_\_\_\_e the listener *v.* to mistake one thing for another; to make somebody hard to understand
62. sn\_\_\_\_\_ke pattern *n.* a small, thin, delicate piece of snow; a person, especially a young person, who is perceived as overly sensitive, easily offended, or with an inflated sense of entitlement
63. ex\_\_\_\_\_e in anger *v.* to burst or break open violently and noisily; to cause something to burst or break open
64. in unt\_\_\_\_\_le trouble *adj.* too unlikely or shocking to imagine or accept
65. 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
66. with a re\_\_\_\_\_ed voice *adj.* having accepted something unpleasant or difficult, particularly a job or situation, without complaint or resistance; accepting one's fate or circumstances
67. trade im\_\_\_\_\_ce *n.* a situation in which two or more things are not equal or equally treated
68. he was ov\_\_\_\_\_lmed with gratitude *v.* to defeat someone or something by using a great deal of force; to have a strong emotional effect on somebody

ANSWERS: 59. famine, 60. ppm, 61. confuse, 62. snowflake, 63. explode, 64. unthinkable, 65. capita, 66. resigned, 67. imbalance, 68. overwhelm

69. a\_t view *adj.* (the opposite of "forward") located at or towards the rear or back of a ship, aircraft, or other vehicle
70. am\_\_\_\_y a signal *v.* to enhance something, particularly sound or brightness
71. di\_\_\_r in negotiations *v.* to be indecisive or unsure about something; to tremble or shake with nervousness or excitement
72. mo\_\_\_\_\_h butterflies *n.* a person who rules a country, such as a king or queen
73. rep\_\_\_\_\_ble act *adj.* deserving of criticism or condemnation due to being morally wrong, shameful, or improper
74. sh\_\_e rock *n.* a sedimentary rock formed from the accumulation of fine-grained clay, silt, or mud, often used in construction or as a source of fuel
75. st\_\_\_\_\_ze prices *v.* to become or cause to become steady or unlikely to give way
76. talented ph\_\_\_\_\_st *n.* a scientist who specializes in the field of physics
77. upper ion\_\_\_\_\_re *n.* the region of the Earth's atmosphere that starts at about 50 kilometers above the surface and extends into outer space, containing a high concentration of ions and free electrons
78. 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

ANSWERS: 69. aft, 70. amplify, 71. dither, 72. monarch, 73. reprehensible, 74. shale, 75. stabilize, 76. physicist, 77. ionosphere, 78. capita

79. an unt\_\_\_\_\_le coincidence      *adj.* too unlikely or shocking to imagine or accept
80. di\_\_\_t an assault      *v.* to change the course or direction of something, often away from a specific path or target; to entertain or amuse someone, often to distract them from a problem or concern; to appropriate something for a different purpose
81. delicate sn\_\_\_\_\_ke      *n.* a small, thin, delicate piece of snow; a person, especially a young person, who is perceived as overly sensitive, easily offended, or with an inflated sense of entitlement
82. la\_\_\_t desire      *adj.* existing but not yet expressed, active, or visible; hidden or dormant
83. symptoms of hormonal im\_\_\_\_\_ce      *n.* a situation in which two or more things are not equal or equally treated
84. rep\_\_\_\_\_ble behavior      *adj.* deserving of criticism or condemnation due to being morally wrong, shameful, or improper
85. per\_\_\_\_\_st area      *n.* a layer of soil that is permanently below freezing, usually in polar regions
86. moralize a fa\_\_e      *n.* a short story, often with animal characters, that teaches a general truth or a moral lesson
87. as\_\_\_\_\_id mining      *n.* a small rocky body orbiting the sun, typically in the region between Mars and Jupiter
88. r\_v up the crowd      *n.* a measure of the rate at which an engine or motor rotates, often expressed in revolutions per minute (RPM); (verb) to increase the number of rotations per minute

ANSWERS: 79. unthinkable, 80. divert, 81. snowflake, 82. latent, 83. imbalance, 84. reprehensible, 85. permafrost, 86. fable, 87. asteroid, 88. rev

89. p\_m volume fraction *n.* an abbreviation for "parts per million," used to express the concentration of a substance in a solution or mixture
90. Ve\_\_s orbiter *n.* the planet second in order from the sun
91. an emergency hea\_\_\_\_\_er *n.* the central office or location from which a business or organization is managed
92. ex\_\_\_\_\_e in popularity *v.* to burst or break open violently and noisily; to cause something to burst or break open
93. politically im\_\_\_\_\_l *adj.* not conforming to accepted society's standards of honesty or morality
94. st\_\_\_\_\_ze blood sugar levels *v.* to become or cause to become steady or unlikely to give way
95. ar\_\_\_c ice *adj.* of or relating to the region around the North Pole or the Arctic Ocean; very cold
96. dis\_\_\_\_\_ed by a conversation *adj.* having one's attention diverted or divided; being unable to concentrate because of being preoccupied or worried
97. low-r\_v engine *n.* a measure of the rate at which an engine or motor rotates, often expressed in revolutions per minute (RPM); (verb) to increase the number of rotations per minute
98. an absolute mo\_\_\_\_\_h *n.* a person who rules a country, such as a king or queen
99. ra\_\_\_\_\_e in all directions *v.* to spread out or emit something, such as light or heat, in all directions

ANSWERS: 89. ppm, 90. Venus, 91. headquarter, 92. explode, 93. immoral, 94. stabilize, 95. arctic, 96. distracted, 97. rev, 98. monarch, 99. radiate

100. coral-reef sh\_\_\_\_\_ne *n.* a line that separates land and sea
101. in\_\_\_\_\_fy diplomatic efforts *v.* to increase or make something increase in extent or strength
102. geo\_\_\_\_\_al exploration *adj.* relating to the physical characteristics and processes of the Earth and its surrounding atmospheres, such as geology, meteorology, and oceanography
103. sh\_\_\_\_\_ne erosion *n.* a line that separates land and sea
104. v\_\_l her face *n.* a piece of fine cloth worn by women to cover or conceal the face; (verb) to cover, conceal, or obscure
105. re\_\_\_\_\_nt response *adj.* disposed to be silent or uncommunicative; restrained or reluctant to speak; inclined to keep one's thoughts or feelings to oneself
106. cultural dis\_\_\_\_\_ion *n.* the process of something breaking down or falling apart physically or metaphorically; the state of being weakened or destroyed

ANSWERS: 100. shoreline, 101. intensify, 102. geophysical, 103. shoreline, 104. veil, 105. reticent, 106. disintegration

## Session 3: Fill in the Blanks

1. The \_\_\_\_\_ of the old bridge was a warning sign of its impending collapse.  
*n.* the process of something breaking down or falling apart physically or metaphorically; the state of being weakened or destroyed
2. Roads \_\_\_\_\_ from the famous building in the center of the city.  
*v.* to spread out or emit something, such as light or heat, in all directions
3. Rebels have pledged to \_\_\_\_\_ the armed struggle against the dictatorship.  
*v.* to increase or make something increase in extent or strength
4. It is \_\_\_\_\_ to discriminate against someone based on their race or gender.  
*adj.* deserving of criticism or condemnation due to being morally wrong, shameful, or improper
5. I couldn't decide what to wear to the party, so I \_\_\_\_\_ over my outfit for hours.  
*v.* to be indecisive or unsure about something; to tremble or shake with nervousness or excitement
6. Many people have \_\_\_\_\_ talents they are not aware of.  
*adj.* existing but not yet expressed, active, or visible; hidden or dormant
7. She had a \_\_\_\_\_ look on her face when she realized that she had lost the race.  
*adj.* having accepted something unpleasant or difficult, particularly a job or situation, without complaint or resistance; accepting one's fate or circumstances

ANSWERS: 1. disintegration, 2. radiate, 3. intensify, 4. reprehensible, 5. dithered, 6. latent, 7. resigned

8. He never received a \_\_\_\_\_ even from the company of a close friend.
- n.* an American or Canadian coin worth one-tenth of a dollar
9. Governments \_\_\_\_\_ renewable energy generation in various ways.
- v.* to pay part of the cost of something to support an organization, activity, etc. financially
10. Scientists use \_\_\_\_\_ monitoring stations to keep track of solar activities and their impact on our planet.
- n.* the region of the Earth's atmosphere that starts at about 50 kilometers above the surface and extends into outer space, containing a high concentration of ions and free electrons
11. 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
12. He stepped on the gas pedal, and the engine released a loud \_\_\_\_.
- n.* a measure of the rate at which an engine or motor rotates, often expressed in revolutions per minute (RPM); (verb) to increase the number of rotations per minute
13. The crops in the farming community have been significantly affected by the prolonged \_\_\_\_\_ leading to concerns about food security.
- n.* a prolonged period of hot and dry weather, often accompanied by high humidity and extreme temperatures; a sensation of intense heat, often caused by exposure to hot or humid conditions
14. Due to the road construction, we had to \_\_\_\_\_ our course to get to the restaurant.
- v.* to change the course or direction of something, often away from a specific path or target; to entertain or amuse someone, often to distract them from a problem or concern; to appropriate something for a different purpose

ANSWERS: 8. dime, 9. subsidize, 10. ionosphere, 11. famine, 12. rev, 13. heatwave, 14. divert



15. Flooding occurs along the city's \_\_\_\_\_ due to the storm surge.  
*n.* a line that separates land and sea
16. The Christmas tree was beautifully decorated with delicate \_\_\_\_\_ ornaments.  
*n.* a small, thin, delicate piece of snow; a person, especially a young person, who is perceived as overly sensitive, easily offended, or with an inflated sense of entitlement
17. The energy company plans to \_\_\_\_\_ the shale deposit to extract natural gas.  
*v.* to inject water and chemicals into the ground at high pressure to fracture the rock and release the gas or oil, especially to extract them
18. She came from a commoner background but eventually became the \_\_\_\_\_ of that country.  
*n.* a person who rules a country, such as a king or queen
19. Many \_\_\_\_\_ lawmakers are advocating for stricter immigration policies.  
*n.* a person who supports or advocates for a particular form of government, typically one that has an elected head of state rather than a monarch; a member or supporter of the Republican Party in the United States
20. Her remarks \_\_\_\_\_ the debate.  
*v.* to mistake one thing for another; to make somebody hard to understand
21. The geologist studied the \_\_\_\_\_ layers in the rock formations to determine their age.  
*n.* a sedimentary rock formed from the accumulation of fine-grained clay, silt, or mud, often used in construction or as a source of fuel

ANSWERS: 15. shoreline, 16. snowflake, 17. frack, 18. monarch, 19. republican, 20. confused, 21. shale

22. Too much variety may \_\_\_\_\_ and confuse viewers.
- v. to defeat someone or something by using a great deal of force; to have a strong emotional effect on somebody
23. He \_\_\_\_\_ a branch from a tree quickly.
- v. to break or separate something by cutting, especially suddenly and forcibly
24. The raising of interest rates \_\_\_\_\_ the inflation rate.
- v. to become or cause to become steady or unlikely to give way
25. The government \_\_\_\_\_ the invasive species to protect native plants and animals.
- v. to destroy completely, often referring to the eradication of pests or weeds
26. \_\_\_\_\_ surveys study the physical characteristics of the Earth's surface and subsurface.
- adj. relating to the physical characteristics and processes of the Earth and its surrounding atmospheres, such as geology, meteorology, and oceanography
27. The ignition of \_\_\_\_\_ gas in the plant killed five employees.
- n. a chemical compound with the chemical formula CH<sub>4</sub> with no smell or color, often used as a fuel
28. The fan in the room \_\_\_\_\_ making the airflow more evenly.
- v. to swing or move back and forth like a pendulum or a wave; to fluctuate or alternate between two points or states; to hesitate or be indecisive
29. \_\_\_\_\_ is crucial to soil stability in arctic areas.
- n. a layer of soil that is permanently below freezing, usually in polar regions

ANSWERS: 22. overwhelm, 23. severed, 24. stabilizes, 25. exterminated, 26. Geophysical, 27. methane, 28. oscillates, 29. Permafrost

30. The sudden drop in the stock market was an \_\_\_\_\_ that puzzled many investors.
- n.* something or someone that deviates from what is expected or normal, often in a way that is difficult to explain or understand
31. The heavy \_\_\_\_\_ in the city was causing health issues for the residents.
- n.* a type of air pollution that forms a mixture of smoke and fog resulting from the combustion of fossil fuels, industrial activity, and motor vehicle emissions in urban areas
32. He lifted her \_\_\_\_\_ with both hands.
- n.* a piece of fine cloth worn by women to cover or conceal the face; (verb) to cover, conceal, or obscure
33. An \_\_\_\_\_ in certain substances causes problems with brain function.
- n.* a situation in which two or more things are not equal or equally treated
34. The grandparents take care of their \_\_\_\_\_ while the parents are at work.
- n.* a child of someone's son or daughter
35. In his speech, he quoted a passage from a well-known \_\_\_\_\_.
- n.* a short story, often with animal characters, that teaches a general truth or a moral lesson
36. 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
37. He was always \_\_\_\_\_ about his personal life and rarely shared any details with others.
- adj.* disposed to be silent or uncommunicative; restrained or reluctant to speak; inclined to keep one's thoughts or feelings to oneself

ANSWERS: 30. anomaly, 31. smog, 32. veil, 33. imbalance, 34. grandchild, 35. fable, 36. capita, 37. reticent

38. Cold temperatures and long, dark winters characterize the \_\_\_\_\_ climate.  
*adj.* of or relating to the region around the North Pole or the Arctic Ocean; very cold
39. You might need to \_\_\_\_\_ this point.  
*v.* to enhance something, particularly sound or brightness
40. They launched a rocket toward \_\_\_\_\_.  
*n.* the planet second in order from the sun
41. Einstein was an outstanding and famous \_\_\_\_\_ of the 20th century.  
*n.* a scientist who specializes in the field of physics
42. The company decided to move its \_\_\_\_\_ to New York City.  
*n.* the central office or location from which a business or organization is managed
43. Scientists are studying the composition and origins of the \_\_\_\_\_ belt to understand the early solar system better.  
*n.* a small rocky body orbiting the sun, typically in the region between Mars and Jupiter
44. The economic recession caused \_\_\_\_\_ in the housing market, with many people losing their homes.  
*n.* the act of causing great destruction or damage, often on a large scale
45. That accident was something \_\_\_\_\_ with my long experience.  
*adj.* too unlikely or shocking to imagine or accept
46. I was so \_\_\_\_\_ by my phone that I nearly walked into a lamppost.  
*adj.* having one's attention diverted or divided; being unable to concentrate because of being preoccupied or worried

ANSWERS: 38. arctic, 39. amplify, 40. Venus, 41. physicist, 42. headquarters, 43. asteroid, 44. devastation, 45. unthinkable, 46. distracted

47. It is \_\_\_\_\_ to cheat on a test.

*adj.* not conforming to accepted society's standards of honesty or morality

48. Writing a research paper can be a \_\_\_\_\_ task.

*adj.* requiring a significant amount of time or effort to complete

49. According to the World Health Organization, the recommended safe lead level in drinking water is 15 \_\_\_\_\_.

*n.* an abbreviation for "parts per million," used to express the concentration of a substance in a solution or mixture

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

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

51. The vase \_\_\_\_\_ into pieces when it fell to the ground.

*v.* break or cause to break into small fragments

52. It's important not to \_\_\_\_\_ from the established safety procedures.

*v.* to depart from an established course or plan; to change direction or take a different route or approach

53. The \_\_\_\_\_ section of the ship suffered significant damage after the collision with the reef.

*adj.* (the opposite of "forward") located at or towards the rear or back of a ship, aircraft, or other vehicle

ANSWERS: 47. immoral, 48. time-consuming, 49. ppm, 50. exploded, 51. disintegrated, 52. deviate, 53. aft