

# Englist.me



## Vocabulary Builder Reference from...

*Sajan Saini: The hidden network that makes the internet possible | TED Talk*

[https://www.ted.com/talks/sajan\\_saini\\_the\\_hidden\\_network\\_that\\_makes\\_the\\_internet\\_possible](https://www.ted.com/talks/sajan_saini_the_hidden_network_that_makes_the_internet_possible)

### Advanced Words Only

#### IMPORTANT

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## Session 1: Word List

### inefficient

*adj.* lacking the ability or skill and not making the best use of time, money, energy, etc.

*synonym*: ineffective, counterproductive, inadequate

(1) **inefficient** use, (2) **inefficient** management

The system is still so **inefficient** that it is useless.

### electrify

*v.* to make a machine or system work by using electricity; to make someone extremely enthusiastic about or interested in something

*synonym*: wire, amaze, astonish

(1) **electrify** the audience, (2) **electrify** a manufacturing process

The product developed through years of research continues to **electrify** the market.

### Newtonian

*adj.* relating to Sir Isaac Newton or his laws of motion and universal gravitation

*synonym*: classical, physics, mechanics

(1) **Newtonian** physics, (2) **Newtonian** mechanics

The motion of planets can be described using **Newtonian** mechanics.

## refract

- v. to bend or alter the direction of light, sound, or particles as they pass through different substances or mediums; to cause something to appear distorted or altered

*synonym*: bend, deflect, distort

(1) **refract** light, (2) **refract** sound

The morning sun **refracted** off the dew on the grass, creating a beautiful rainbow.

## degrade

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

*synonym*: demean, disgrace, impair

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

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

## scatter

- v. to cause to separate and go in different directions

*synonym*: disperse, spread, bestrew

(1) **scatter** seeds, (2) **scatter** around the internet

The hunter's approach **scattered** the geese.

## crisscross

- v. to move or make lines that intersect or cross each other in a pattern resembling a series of X's

(1) **crisscross** over the edges of the walls, (2) **crisscross** my heart

The roads **crisscrossed** through the countryside, creating a beautiful scenic drive.

## equator

- n. an line of latitude that separates Earth's northern and southern hemispheres and has a radius of around 40,075 kilometers (24,901 miles)

(1) south of the **equator**, (2) above the **equator**

Ecuador is on the **equator**.

## overwork

*v.* to work excessively hard or too much; the condition of working excessively or beyond one's capacity, leading to fatigue, stress, and illness

*synonym* : overdo, overtax, exhaust

(1) die from **overwork**, (2) **overwork** to compensate

He **overworked** himself and ended up getting sick.

## fling

*v.* to throw or push something or someone with force or recklessness, especially because you are angry

*synonym* : throw, dump, hurl

(1) **fling** a stream of abuse, (2) **fling** a door open forcefully

He was provoked to **fling** the draft on the floor.

## hertz

*n.* the unit of frequency, equal to one cycle per second, often used to describe the frequency of electromagnetic waves or electronic signals

*synonym* : frequency, cycles per second

(1) audio **hertz**, (2) tera- **hertz** radiation

The human ear can detect sounds with frequencies ranging from 20 to 20,000 **hertz**.

## wasteful

*adj.* characterized by excessive or unnecessary use or consumption; using resources or materials inefficiently or inappropriately, resulting in unnecessary waste or expense

*synonym* : uneconomical, extravagant, profligate

(1) **wasteful** practices, (2) **wasteful** habits

Buying new clothes every week is a **wasteful** use of money and resources.

## short-range

*adj.* limited in extent, scope, or distance; designed or intended to operate or be effective only over a short distance or period of time

*synonym* : close-range, limited-range, near-range

(1) **short-range** plan, (2) **short-range** communication

The missile system was designed for **short-range** attacks on enemy territory.

## long-range

*adj.* relating to or extending over a long distance, period of time, or range of possibilities

*synonym*: far-reaching, extended, distant

(1) **long-range** radar, (2) **long-range** weather forecast

The military uses **long-range** missiles to hit targets from far away.

## middleman

*n.* a person who acts as an intermediary between two or more parties, often facilitating the exchange of goods or services and taking a commission or fee for their services

*synonym*: intermediary, agent, broker

(1) trusted **middleman**, (2) business **middleman**

The **middleman** in the real estate deal ensured a smooth and fair transaction.

## superhighway

*n.* a large, wide road designed for high-speed traffic

*synonym*: expressway, motorway, artery

(1) six-lane **superhighway**, (2) a tollgate of a **superhighway**

The University provides a wireless Internet **superhighway** to its students.

## expansive

*adj.* large or wide in extent or scope; friendly and open and willing to talk

*synonym*: large, extensive, vast

(1) with an **expansive** spirit, (2) **expansive** ocean views

The company has an **expansive** network of offices and locations around the world.

## Session 2: Spelling

1. tera-he\_\_z radiation  
*n.* the unit of frequency, equal to one cycle per second, often used to describe the frequency of electromagnetic waves or electronic signals
2. lon\_\_\_\_\_ge radar  
*adj.* relating to or extending over a long distance, period of time, or range of possibilities
3. lon\_\_\_\_\_ge weather forecast  
*adj.* relating to or extending over a long distance, period of time, or range of possibilities
4. business mi\_\_\_\_\_an  
*n.* a person who acts as an intermediary between two or more parties, often facilitating the exchange of goods or services and taking a commission or fee for their services
5. re\_\_\_\_\_t light  
*v.* to bend or alter the direction of light, sound, or particles as they pass through different substances or mediums; to cause something to appear distorted or altered
6. trusted mi\_\_\_\_\_an  
*n.* a person who acts as an intermediary between two or more parties, often facilitating the exchange of goods or services and taking a commission or fee for their services
7. ov\_\_\_\_\_rk to compensate  
*v.* to work excessively hard or too much; the condition of working excessively or beyond one's capacity, leading to fatigue, stress, and illness

ANSWERS: 1. hertz, 2. long-range, 3. long-range, 4. middleman, 5. refract, 6. middleman, 7. overwork

8. el\_\_\_\_\_fy a manufacturing process      *v.* to make a machine or system work by using electricity; to make someone extremely enthusiastic about or interested in something
9. Ne\_\_\_\_\_an physics      *adj.* relating to Sir Isaac Newton or his laws of motion and universal gravitation
10. wa\_\_\_\_\_ul practices      *adj.* characterized by excessive or unnecessary use or consumption; using resources or materials inefficiently or inappropriately, resulting in unnecessary waste or expense
11. sho\_\_\_\_\_ge plan      *adj.* limited in extent, scope, or distance; designed or intended to operate or be effective only over a short distance or period of time
12. re\_\_\_\_\_t sound      *v.* to bend or alter the direction of light, sound, or particles as they pass through different substances or mediums; to cause something to appear distorted or altered
13. above the eq\_\_\_\_\_r      *n.* an line of latitude that separates Earth's northern and southern hemispheres and has a radius of around 40,075 kilometers (24,901 miles)
14. ine\_\_\_\_\_nt management      *adj.* lacking the ability or skill and not making the best use of time, money, energy, etc.
15. south of the eq\_\_\_\_\_r      *n.* an line of latitude that separates Earth's northern and southern hemispheres and has a radius of around 40,075 kilometers (24,901 miles)

ANSWERS: 8. electrify, 9. Newtonian, 10. wasteful, 11. short-range, 12. refract, 13. equator, 14. inefficient, 15. equator

16. wa\_\_\_\_\_ul habits *adj.* characterized by excessive or unnecessary use or consumption; using resources or materials inefficiently or inappropriately, resulting in unnecessary waste or expense
17. sho\_\_\_\_\_ge communication *adj.* limited in extent, scope, or distance; designed or intended to operate or be effective only over a short distance or period of time
18. sc\_\_\_\_\_r seeds *v.* to cause to separate and go in different directions
19. fl\_\_g a door open forcefully *v.* to throw or push something or someone with force or recklessness, especially because you are angry
20. die from ov\_\_\_\_\_rk *v.* to work excessively hard or too much; the condition of working excessively or beyond one's capacity, leading to fatigue, stress, and illness
21. cri\_\_\_\_\_ss my heart *v.* to move or make lines that intersect or cross each other in a pattern resembling a series of X's
22. cri\_\_\_\_\_ss over the edges of the walls *v.* to move or make lines that intersect or cross each other in a pattern resembling a series of X's
23. Ne\_\_\_\_\_an mechanics *adj.* relating to Sir Isaac Newton or his laws of motion and universal gravitation
24. ex\_\_\_\_\_ve ocean views *adj.* large or wide in extent or scope; friendly and open and willing to talk
25. el\_\_\_\_\_fy the audience *v.* to make a machine or system work by using electricity; to make someone extremely enthusiastic about or interested in something

ANSWERS: 16. wasteful, 17. short-range, 18. scatter, 19. fling, 20. overwork, 21. crisscross, 22. crisscross, 23. Newtonian, 24. expansive, 25. electrify

26. fl\_\_g a stream of abuse *v.* to throw or push something or someone with force or recklessness, especially because you are angry
27. with an ex\_\_\_\_\_ve spirit *adj.* large or wide in extent or scope; friendly and open and willing to talk
28. sc\_\_\_\_\_r around the internet *v.* to cause to separate and go in different directions
29. de\_\_\_\_\_e environmental quality *v.* to make something worse, especially in quality; to show or treat someone in a way that makes them seem no value and do not have the respect or reasonable opinion of others
30. a tollgate of a sup\_\_\_\_\_way *n.* a large, wide road designed for high-speed traffic
31. six-lane sup\_\_\_\_\_way *n.* a large, wide road designed for high-speed traffic
32. ine\_\_\_\_\_nt use *adj.* lacking the ability or skill and not making the best use of time, money, energy, etc.
33. audio he\_\_z *n.* the unit of frequency, equal to one cycle per second, often used to describe the frequency of electromagnetic waves or electronic signals
34. de\_\_\_\_\_e his public image *v.* to make something worse, especially in quality; to show or treat someone in a way that makes them seem no value and do not have the respect or reasonable opinion of others

ANSWERS: 26. fling, 27. expansive, 28. scatter, 29. degrade, 30. superhighway, 31. superhighway, 32. inefficient, 33. hertz, 34. degrade



## Session 3: Fill in the Blanks

1. You should not \_\_\_\_\_ yourself by allowing them to use you.
  - v. to make something worse, especially in quality; to show or treat someone in a way that makes them seem no value and do not have the respect or reasonable opinion of others
  
2. He \_\_\_\_\_ himself and ended up getting sick.
  - v. to work excessively hard or too much; the condition of working excessively or beyond one's capacity, leading to fatigue, stress, and illness
  
3. The system is still so \_\_\_\_\_ that it is useless.
  - adj. lacking the ability or skill and not making the best use of time, money, energy, etc.
  
4. He was provoked to \_\_\_\_\_ the draft on the floor.
  - v. to throw or push something or someone with force or recklessness, especially because you are angry
  
5. The hunter's approach \_\_\_\_\_ the geese.
  - v. to cause to separate and go in different directions
  
6. The \_\_\_\_\_ in the real estate deal ensured a smooth and fair transaction.
  - n. a person who acts as an intermediary between two or more parties, often facilitating the exchange of goods or services and taking a commission or fee for their services
  
7. The motion of planets can be described using \_\_\_\_\_ mechanics.
  - adj. relating to Sir Isaac Newton or his laws of motion and universal gravitation

ANSWERS: 1. degrade, 2. overworked, 3. inefficient, 4. fling, 5. scattered, 6. middleman, 7. Newtonian

8. The missile system was designed for \_\_\_\_\_ attacks on enemy territory.  
*adj.* limited in extent, scope, or distance; designed or intended to operate or be effective only over a short distance or period of time
9. Buying new clothes every week is a \_\_\_\_\_ use of money and resources.  
*adj.* characterized by excessive or unnecessary use or consumption; using resources or materials inefficiently or inappropriately, resulting in unnecessary waste or expense
10. The military uses \_\_\_\_\_ missiles to hit targets from far away.  
*adj.* relating to or extending over a long distance, period of time, or range of possibilities
11. The University provides a wireless Internet \_\_\_\_\_ to its students.  
*n.* a large, wide road designed for high-speed traffic
12. The company has an \_\_\_\_\_ network of offices and locations around the world.  
*adj.* large or wide in extent or scope; friendly and open and willing to talk
13. The roads \_\_\_\_\_ through the countryside, creating a beautiful scenic drive.  
*v.* to move or make lines that intersect or cross each other in a pattern resembling a series of X's
14. The product developed through years of research continues to \_\_\_\_\_ the market.  
*v.* to make a machine or system work by using electricity; to make someone extremely enthusiastic about or interested in something

ANSWERS: 8. short-range, 9. wasteful, 10. long-range, 11. superhighway, 12. expansive, 13. crisscrossed, 14. electrify

15. The morning sun \_\_\_\_\_ off the dew on the grass, creating a beautiful rainbow.
- v.* to bend or alter the direction of light, sound, or particles as they pass through different substances or mediums; to cause something to appear distorted or altered
16. Ecuador is on the \_\_\_\_\_.
- n.* an line of latitude that separates Earth's northern and southern hemispheres and has a radius of around 40,075 kilometers (24,901 miles)
17. The human ear can detect sounds with frequencies ranging from 20 to 20,000 \_\_\_\_\_.
- n.* the unit of frequency, equal to one cycle per second, often used to describe the frequency of electromagnetic waves or electronic signals

ANSWERS: 15. refracted, 16. equator, 17. hertz