

# Englist.me



## Vocabulary Builder Reference from...

Anirudh Sharma: Ink made of air pollution | TED Talk  
[https://www.ted.com/talks/anirudh\\_sharma\\_ink\\_made\\_of\\_air\\_pollution](https://www.ted.com/talks/anirudh_sharma_ink_made_of_air_pollution)

### Advanced Words Only

#### IMPORTANT

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## Session 1: Word List

### outdo

*v.* to do better than someone; to surpass

*synonym*: excel, surpass, outshine

(1) **outdo** him in trickery, (2) **outdo** the competition

He tried to **outdo** his rival by breaking the world record.

### petri

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

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

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

### pyrolysis

*n.* a chemical reaction that occurs with the application of heat, resulting in the breakdown of material into smaller chemical components or constituents, often involving the release of gases or liquid byproducts

*synonym*: thermolysis, carbonization, conversion

(1) bio- **pyrolysis**, (2) **pyrolysis** plant

The **pyrolysis** of wood produces charcoal, which can be used as a fuel source.

### industrialize

*v.* to organize the production of something into an industry

*synonym*: motorize

(1) **industrialize** service, (2) **industrialized** textile production

The nations of South East Asia will quickly **industrialize** and

catch up with the West.

## triangular

*adj.* having three angles or sides; forming or shaped like a triangle (= a three-sided polygon)

*synonym*: three-cornered, trilateral

(1) a **triangular** alliance, (2) **triangular** form

The **triangular** shape of the pyramid was an important architectural feature.

## swatch

*n.* a small sample or piece taken from a larger whole, often used for testing or comparison; a range of samples or colors used to demonstrate or promote a product or brand

*synonym*: sample, specimen, scrap

(1) **swatch** of fabric, (2) color **swatch**

I need to choose a **swatch** of paint to match my new couch.

## particulate

*adj.* consisting of small particles, especially those that are suspended in a fluid or air

*synonym*: granular, dusty

(1) **particulate** size, (2) **particulate** pollution

Smoke from forest fires is causing an increase in **particulate** matter in the air.

## rethink

*v.* to consider again a plan, idea, etc., especially to change it

*synonym*: reexplore, review, reconsider

(1) **rethink** a marketing plan, (2) **rethink** the role of the manager

We have to **rethink** our company's product lineup for further growth.

## conventionally

*adv.* in a way that follows accepted customs, rules, or standards; in a way that is typical or traditional

*synonym*: traditionally, customarily, conventionally

(1) **conventionally** dressed, (2) **conventionally** grown crops

**Conventionally**, doctors recommend getting at least 8 hours of sleep per night for optimal health.

## recycle

*v.* to sort and collect things to process them and produce valuable materials that can be used again

*synonym* : reclaim, reuse, reprocess

(1) **recycle** the cardboard boxes, (2) **recycle** milk packaging into new paper

We largely **recycle** the circuit board of cell phones because they contain a lot of valuable metals.

## contraption

*n.* a machine or device that is made up of a combination of interconnected parts and often appears complicated or unusual

*synonym* : device, gadget, machinery

(1) farming **contraption**, (2) complicated **contraption**

The inventor created a **contraption** that could turn salt water into drinking water.

## soot

*n.* a black, powdery substance that is produced by the incomplete burning of a material such as coal, wood, or oil and is often found on surfaces near the source of the fire

*synonym* : smut, dirt

(1) **soot-covered** walls, (2) black **soot**

The fire left a layer of **soot** on everything in the room.

## vodka

*n.* a distilled alcoholic beverage made from fermented grains or potatoes, typically with high alcohol content and little or no added flavoring

*synonym* : spirit, liquor, distilled beverage

(1) **vodka** shot, (2) flavored **vodka**

I ordered a **vodka** tonic at the bar.

## churn

*v.* to stir or agitate a liquid, substance, or mixture vigorously to produce foam or because of violent movement; to cause a large number of people to move

or leave; to produce something, such as money, through continuous activity or turnover

*synonym* : stir, agitate, whirl

(1) **churn** out manufactured goods, (2) **churn** in my stomach

The cream needs to be **churned** for several minutes before it becomes butter.

## rudimentary

*adj.* relating to basic facts or principles; fundamental

*synonym* : essential, fundamental, elementary

(1) a **rudimentary** plant, (2) **rudimentary** understanding

He has only a **rudimentary** knowledge of this topic.

## passersby

*n.* people who are walking past a particular place often used to refer to a group of people or an undefined number of individuals

*synonym* : bystanders, onlookers, observers

(1) **passersby** on the sidewalk, (2) group of **passersby**

The busy street was filled with **passersby** hurrying to their destinations.

## fume

*v.* to emit gas, smoke, vapor, or a strong, unpleasant odor; to show anger, irritation, or annoyance in a visible way; (noun) gas or vapor that is emitted from a substance, usually as a result of heating or combustion

*synonym* : smoke, vaporize, emit

(1) **fume** with anger, (2) acrid **fumes**

The angry customer began to **fume** when their order was delayed.

## cofounder

*n.* one of several people who establishes an organization or starts a business

(1) **cofounder** of the university, (2) late **cofounder**

He is the **cofounder** and chairman of this tech company.

## contagious

*adj.* able to be passed on to others through contact or proximity, especially by infection or disease

*synonym* : infectious, transmissible, communicable

(1) **contagious** enthusiasm, (2) **contagious** virus

The disease is highly **contagious** and spreads quickly.

## Christ

*n.* the man that Christians believe is the prophet and the son of God, and whose life and sermons form the basis for Christianity

*synonym* : Savior, Jesus Christ, Jesus

(1) teaching of **Christ**, (2) before **Christ**

**Christmas** is the day to celebrate the birth of Christ.

## pollute

*v.* to make an area or substance, such as land, air, water, etc., dirty or harmful to living things by adding waste matter or harmful chemicals

*synonym* : contaminate, corrupt, degrade

(1) **pollute** the air, (2) **pollute** the thread

We should do our best not to **pollute** the environment.

## incentivize

*v.* to make someone want to do in a particular way by offering them a reward

*synonym* : encourage, motivate

(1) **incentivize** carpooling, (2) **incentivize** the right behavior

Governments **incentivize** their citizens to buy eco-friendly products through subsidies.

## Session 2: Spelling

- |   |    |  |
|---|----|--|
| 1. ou__o him in trickery                  | v. | to do better than someone; to surpass  |
| 2. inc_____ze carpooling                  | v. | to make someone want to do in a particular way by offering them a reward   |
| 3. re_____e milk packaging into new paper | v. | to sort and collect things to process them and produce valuable materials that can be used again   |
| 4. pe__i dish test                        | n. | (petri dish) a small, clear, and round dish with a lid used in laboratories, especially for growing bacteria   |
| 5. pa_____by on the sidewalk              | n. | people who are walking past a particular place often used to refer to a group of people or an undefined number of individuals  |
| 6. sw___h of fabric                       | n. | a small sample or piece taken from a larger whole, often used for testing or comparison; a range of samples or colors used to demonstrate or promote a product or brand  |
| 7. ch__n in my stomach                    | v. | to stir or agitate a liquid, substance, or mixture vigorously to produce foam or because of violent movement; to cause a large number of people to move or leave; to produce something, such as money, through continuous activity or turnover |
| 8. vo__a shot                             | n. | a distilled alcoholic beverage made from fermented grains or potatoes, typically with high alcohol content and little or no added flavoring  |

ANSWERS: 1. outdo, 2. incentivize, 3. recycle, 4. petri, 5. passersby, 6. swatch, 7. churn, 8. vodka

9. ou\_\_o the competition *v.* to do better than someone; to surpass
10. con\_\_\_\_\_lly dressed *adv.* in a way that follows accepted customs, rules, or standards; in a way that is typical or traditional
11. complicated con\_\_\_\_\_on *n.* a machine or device that is made up of a combination of interconnected parts and often appears complicated or unusual
12. co\_\_\_\_\_er of the university *n.* one of several people who establishes an organization or starts a business
13. a rud\_\_\_\_\_ry plant *adj.* relating to basic facts or principles; fundamental
14. par\_\_\_\_\_te size *adj.* consisting of small particles, especially those that are suspended in a fluid or air
15. re\_\_\_\_\_e the cardboard boxes *v.* to sort and collect things to process them and produce valuable materials that can be used again
16. ind\_\_\_\_\_ized textile production *v.* to organize the production of something into an industry
17. f\_\_e with anger *v.* to emit gas, smoke, vapor, or a strong, unpleasant odor; to show anger, irritation, or annoyance in a visible way; (noun) gas or vapor that is emitted from a substance, usually as a result of heating or combustion
18. par\_\_\_\_\_te pollution *adj.* consisting of small particles, especially those that are suspended in a fluid or air

ANSWERS: 9. outdo, 10. conventionally, 11. contraption, 12. cofounder, 13. rudimentary, 14. particulate, 15. recycle, 16. industrialize, 17. fume, 18. particulate

19. group of pa\_\_\_\_\_by *n.* people who are walking past a particular place often used to refer to a group of people or an undefined number of individuals
20. farming con\_\_\_\_\_on *n.* a machine or device that is made up of a combination of interconnected parts and often appears complicated or unusual
21. black s\_\_t *n.* a black, powdery substance that is produced by the incomplete burning of a material such as coal, wood, or oil and is often found on surfaces near the source of the fire
22. rud\_\_\_\_\_ry understanding *adj.* relating to basic facts or principles; fundamental
23. a tri\_\_\_\_\_ar alliance *adj.* having three angles or sides; forming or shaped like a triangle (= a three-sided polygon)
24. re\_\_\_\_\_k the role of the manager *v.* to consider again a plan, idea, etc., especially to change it
25. ch\_\_n out manufactured goods *v.* to stir or agitate a liquid, substance, or mixture vigorously to produce foam or because of violent movement; to cause a large number of people to move or leave; to produce something, such as money, through continuous activity or turnover
26. py\_\_\_\_\_is plant *n.* a chemical reaction that occurs with the application of heat, resulting in the breakdown of material into smaller chemical components or constituents, often involving the release of gases or liquid byproducts

ANSWERS: 19. passersby, 20. contraption, 21. soot, 22. rudimentary, 23. triangular, 24. rethink, 25. churn, 26. pyrolysis



27. before Ch\_\_\_t *n.* the man that Christians believe is the prophet and the son of God, and whose life and sermons form the basis for Christianity
28. color sw\_\_\_h *n.* a small sample or piece taken from a larger whole, often used for testing or comparison; a range of samples or colors used to demonstrate or promote a product or brand
29. bacteria on pe\_\_i dishes *n.* (petri dish) a small, clear, and round dish with a lid used in laboratories, especially for growing bacteria
30. flavored vo\_\_a *n.* a distilled alcoholic beverage made from fermented grains or potatoes, typically with high alcohol content and little or no added flavoring
31. re\_\_\_\_\_k a marketing plan *v.* to consider again a plan, idea, etc., especially to change it
32. ind\_\_\_\_\_ize service *v.* to organize the production of something into an industry
33. acrid f\_\_es *v.* to emit gas, smoke, vapor, or a strong, unpleasant odor; to show anger, irritation, or annoyance in a visible way; (noun) gas or vapor that is emitted from a substance, usually as a result of heating or combustion
34. s\_\_t-covered walls *n.* a black, powdery substance that is produced by the incomplete burning of a material such as coal, wood, or oil and is often found on surfaces near the source of the fire

ANSWERS: 27. Christ, 28. swatch, 29. petri, 30. vodka, 31. rethink, 32. industrialize, 33. fume, 34. soot

35. po\_\_\_\_\_e the air      *v.* to make an area or substance, such as land, air, water, etc., dirty or harmful to living things by adding waste matter or harmful chemicals
36. con\_\_\_\_\_us enthusiasm      *adj.* able to be passed on to others through contact or proximity, especially by infection or disease
37. con\_\_\_\_\_us virus      *adj.* able to be passed on to others through contact or proximity, especially by infection or disease
38. tri\_\_\_\_\_ar form      *adj.* having three angles or sides; forming or shaped like a triangle (= a three-sided polygon)
39. bio-py\_\_\_\_\_is      *n.* a chemical reaction that occurs with the application of heat, resulting in the breakdown of material into smaller chemical components or constituents, often involving the release of gases or liquid byproducts
40. inc\_\_\_\_\_ze the right behavior      *v.* to make someone want to do in a particular way by offering them a reward
41. late co\_\_\_\_\_er      *n.* one of several people who establishes an organization or starts a business
42. con\_\_\_\_\_lly grown crops      *adv.* in a way that follows accepted customs, rules, or standards; in a way that is typical or traditional
43. po\_\_\_\_\_e the thread      *v.* to make an area or substance, such as land, air, water, etc., dirty or harmful to living things by adding waste matter or harmful chemicals

ANSWERS: 35. pollute, 36. contagious, 37. contagious, 38. triangular, 39. pyrolysis, 40. incentivize, 41. cofounder, 42. conventionally, 43. pollute

44. teaching of Ch\_\_\_t

*n.* the man that Christians believe is the prophet and the son of God, and whose life and sermons form the basis for Christianity

ANSWERS: 44. Christ

## Session 3: Fill in the Blanks

1. We largely \_\_\_\_\_ the circuit board of cell phones because they contain a lot of valuable metals.
  - v.* to sort and collect things to process them and produce valuable materials that can be used again
  
2. \_\_\_\_\_ doctors recommend getting at least 8 hours of sleep per night for optimal health.
  - adv.* in a way that follows accepted customs, rules, or standards; in a way that is typical or traditional
  
3. The busy street was filled with \_\_\_\_\_ hurrying to their destinations.
  - n.* people who are walking past a particular place often used to refer to a group of people or an undefined number of individuals
  
4. Glass \_\_\_\_\_ dishes are used to culture microorganisms.
  - n.* (petri dish) a small, clear, and round dish with a lid used in laboratories, especially for growing bacteria
  
5. Smoke from forest fires is causing an increase in \_\_\_\_\_ matter in the air.
  - adj.* consisting of small particles, especially those that are suspended in a fluid or air
  
6. The cream needs to be \_\_\_\_\_ for several minutes before it becomes butter.
  - v.* to stir or agitate a liquid, substance, or mixture vigorously to produce foam or because of violent movement; to cause a large number of people to move or leave; to produce something, such as money, through continuous activity or turnover

ANSWERS: 1. recycle, 2. Conventionally, 3. passersby, 4. petri, 5. particulate, 6. churned

7. He tried to \_\_\_\_\_ his rival by breaking the world record.  
*v.* to do better than someone; to surpass
8. I need to choose a \_\_\_\_\_ of paint to match my new couch.  
*n.* a small sample or piece taken from a larger whole, often used for testing or comparison; a range of samples or colors used to demonstrate or promote a product or brand
9. He is the \_\_\_\_\_ and chairman of this tech company.  
*n.* one of several people who establishes an organization or starts a business
10. The inventor created a \_\_\_\_\_ that could turn salt water into drinking water.  
*n.* a machine or device that is made up of a combination of interconnected parts and often appears complicated or unusual
11. The fire left a layer of \_\_\_\_\_ on everything in the room.  
*n.* a black, powdery substance that is produced by the incomplete burning of a material such as coal, wood, or oil and is often found on surfaces near the source of the fire
12. He has only a \_\_\_\_\_ knowledge of this topic.  
*adj.* relating to basic facts or principles; fundamental
13. The disease is highly \_\_\_\_\_ and spreads quickly.  
*adj.* able to be passed on to others through contact or proximity, especially by infection or disease
14. The \_\_\_\_\_ of wood produces charcoal, which can be used as a fuel source.  
*n.* a chemical reaction that occurs with the application of heat, resulting in the breakdown of material into smaller chemical components or constituents, often involving the release of gases or liquid byproducts

ANSWERS: 7. outdo, 8. swatch, 9. cofounder, 10. contraption, 11. soot, 12. rudimentary, 13. contagious, 14. pyrolysis

15. The \_\_\_\_\_ shape of the pyramid was an important architectural feature.  
*adj.* having three angles or sides; forming or shaped like a triangle (= a three-sided polygon)
16. Governments \_\_\_\_\_ their citizens to buy eco-friendly products through subsidies.  
*v.* to make someone want to do in a particular way by offering them a reward
17. \_\_\_\_\_ is the day to celebrate the birth of Christ.  
*n.* the man that Christians believe is the prophet and the son of God, and whose life and sermons form the basis for Christianity
18. I ordered a \_\_\_\_\_ tonic at the bar.  
*n.* a distilled alcoholic beverage made from fermented grains or potatoes, typically with high alcohol content and little or no added flavoring
19. We have to \_\_\_\_\_ our company's product lineup for further growth.  
*v.* to consider again a plan, idea, etc., especially to change it
20. We should do our best not to \_\_\_\_\_ the environment.  
*v.* to make an area or substance, such as land, air, water, etc., dirty or harmful to living things by adding waste matter or harmful chemicals
21. The nations of South East Asia will quickly \_\_\_\_\_ and catch up with the West.  
*v.* to organize the production of something into an industry
22. The angry customer began to \_\_\_\_\_ when their order was delayed.  
*v.* to emit gas, smoke, vapor, or a strong, unpleasant odor; to show anger, irritation, or annoyance in a visible way; (noun) gas or vapor that is emitted from a substance, usually as a result of heating or combustion

ANSWERS: 15. triangular, 16. incentivize, 17. Christmas, 18. vodka, 19. rethink, 20. pollute, 21. industrialize, 22. fume

ANSWERS: