

# Englist.me



## Vocabulary Builder Reference from...

Hannah Bürckstümmer: A printable, flexible, organic solar cell | TED Talk

[https://www.ted.com/talks/hannah\\_burckstummer\\_a\\_printable\\_flexible\\_organic\\_solar\\_cell](https://www.ted.com/talks/hannah_burckstummer_a_printable_flexible_organic_solar_cell)

### Advanced Words Only

#### IMPORTANT

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## Session 1: Word List

### footprint

*n.* a mark of a foot, shoe, or animal's foot left on a surface  
*synonym*: footmark, imprint, impression

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

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

### regenerate

*v.* to improve or renew an area, institution, system, etc., especially by making it more active or successful  
*synonym*: renew, revive, improve

(1) **regenerate** bone tissue, (2) a **regenerate** sinner

The new CEO's primary mission is to **regenerate** the company on the verge of bankruptcy.

### emit

*v.* to give off or send out something such as light, heat, sound, gas, etc.

*synonym*: give off, radiate, expel

(1) **emit** a gamma ray, (2) **emit** air pollution

During the unloading, the container box **emits** a clicking sound.

### reabsorption

*n.* the organic process in which the substance of some differentiated structure that has been produced by the body undergoes lysis and assimilation

(1) **reabsorption** of water, (2) glucose **reabsorption**  
The tubules are responsible for the **reabsorption** of sodium once filtered by the kidneys.

### oversize

*adj.* larger than the normal or standard size  
*synonym*: large, big, excessive

(1) **oversize** tire, (2) **oversize** bag

The **oversize** jacket was too big for her, but she still wore it because she liked the style.

### creditor

*n.* a person, company, etc. to whom a debtor owes money

(1) the **creditor's** claims, (2) bankrupt **creditor**

I asked the lawyer to initiate **creditor** negotiations for voluntary liquidation.

### glacier

*n.* a slowly moving mass of ice formed from snow on mountains or near the North Pole or the South Pole

*synonym*: iceberg, ice floe

(1) **glacier** retreat, (2) **glaciers** move tardily

The **glaciers** of the ice age have shaped Fjord.

### enormity

*n.* the quality of being extremely evil or wicked; the vastness of size or extent

*synonym*: horribleness, seriousness, immensity

(1) grasp the **enormity**, (2) the **enormity** of the task

The **enormity** of the financial fraud was uncovered after years of investigation.

### insulate

*v.* to protect something by interposing material that prevents heat, noise, electricity, etc.

*synonym*: isolate, protect, seclude

(1) **insulate** the room from sound, (2) **insulate** electricity

We had our bedroom **insulated** before winter came.

### 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.

## windmill

*n.* a machine that uses wind power to generate mechanical energy or electricity

*synonym* : wind turbine, aerogenerator

(1) **windmill** blades, (2) **windmill** energy

The countryside was dotted with picturesque **windmills**.

## facade

*n.* the face or front of a building, especially a large one; superficial or false appearance intended to conceal something unpleasant

*synonym* : front, camouflage, masquerade

(1) the outside **facade** of a castle, (2) **facade** of wealth

A gentle **facade** concealed his powerfulness.

## photovoltaics

*n.* a branch of technology that involves the conversion of sunlight into electricity using solar cells or other photoelectric devices; the generation of electricity directly from sunlight, typically using solar panels

*synonym* : solar cells, solar power

(1) **photovoltaics** recycling initiatives, (2) **photovoltaics** system

The development of thin-film **photovoltaics** has allowed for a wider range of applications in building design.

## dissolve

*v.* to be or cause to be absorbed by a liquid to form a part of the solution; to close down or dismiss

*synonym* : disband, disappear, liquefy

(1) **dissolve** the sugar, (2) officially **dissolved** the marriage

The political party **dissolved** after much internal fighting.

## micrometer

*n.* a tool for measuring small distances or dimensions, typically accurate to within one-thousandth of a millimeter

*synonym* : caliper, measuring gauge

(1) **micrometer** gauge, (2) vernier **micrometer**

The scientist used a digital **micrometer** to measure the exact thickness of the material.

## illuminate

*v.* to light something or to make something lighter or brighter; to make something free from confusion or ambiguity

*synonym* : brighten, light, adorn

(1) **illuminate** a dark hall, (2) **illuminate** my understanding

That biologist **illuminated** the mechanism of heredity.

## lamine

*n.* a material made by bonding together two or more layers of different materials, often used in furniture or flooring

*synonym* : veneer, coating, layer

(1) **lamine** flooring, (2) **lamine** table

The countertop in my kitchen is made of durable **lamine** material.

## envelop

*v.* to surround and cover completely; to encase

*synonym* : wrap, cover, surround

(1) **envelop** the whole world, (2) **envelop** her in a bear hug

The fog **enveloped** the city, making it difficult to see.

## 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.

## decarbonize

*v.* to stop or reduce emitting carbon gases, especially carbon dioxide, by replacing energy made from fossil fuels with renewable energy

*synonym* : decoke, decarburise, decarburize

- (1) **decarbonize** their manufacturing process,  
(2) **decarbonize** its energy system

We have to seek methods to **decarbonize** its fossil fuel economy.

## germ

*n.* a very tiny living that causes the disease; a piece of something such as an organism, concept, etc., capable of growing into a new one or part of one

*synonym*: bacterium, microbe, pathogen

- (1) antibiotic-resistant **germ**, (2) a **germ-free** environment

The **germ** of his idea came from watching birds flying in flocks.

## pavilion

*n.* a large, often ornate tent or booth, often used for entertainment or public events; a building or structure, often in a park or other public space, used for meetings, exhibitions, or social gatherings

*synonym*: gazebo, kiosk, pagoda

- (1) garden **pavilion**, (2) beach **pavilion**

The outdoor wedding reception was held in a beautiful **pavilion** overlooking the lake.

## hexagon

*n.* a six-sided polygon with six angles and six sides of equal length

*synonym*: hexahedron, six-sided figure, six-gon

- (1) **hexagon** head bolt, (2) **hexagon** pattern

The honeycomb structure of a beehive is made up of **hexagons**.

## Session 2: Spelling

- |  |   |
|--|---|
| 1. ov_____ze bag                             | <i>adj.</i> larger than the normal or standard size   |
| 2. in_____te the room from sound             | <i>v.</i> to protect something by interposing material that prevents heat, noise, electricity, etc.   |
| 3. fo_____nts in the snow                    | <i>n.</i> a mark of a foot, shoe, or animal's foot left on a surface  |
| 4. beach pa_____on                           | <i>n.</i> a large, often ornate tent or booth, often used for entertainment or public events; a building or structure, often in a park or other public space, used for meetings, exhibitions, or social gatherings              |
| 5. the cr_____or's claims                    | <i>n.</i> a person, company, etc. to whom a debtor owes money   |
| 6. com_____ize my patents                    | <i>v.</i> to make something available for sale or use on a large scale  |
| 7. e__t a gamma ray                          | <i>v.</i> to give off or send out something such as light, heat, sound, gas, etc.   |
| 8. pho_____ics recycling initiatives         | <i>n.</i> a branch of technology that involves the conversion of sunlight into electricity using solar cells or other photoelectric devices; the generation of electricity directly from sunlight, typically using solar panels |
| 9. the fo_____nts of an earlier civilization | <i>n.</i> a mark of a foot, shoe, or animal's foot left on a surface  |
| 10. en_____p the whole world                 | <i>v.</i> to surround and cover completely; to encase   |

ANSWERS: 1. oversize, 2. insulate, 3. footprint, 4. pavilion, 5. creditor, 6. commercialize, 7. emit, 8. photovoltaics, 9. footprint, 10. envelop

- |                                       |           |   |
|---------------------------------------|-----------|---|
| 11. glucose rea_____ion               | <i>n.</i> | the organic process in which the substance of some differentiated structure that has been produced by the body undergoes lysis and assimilation   |
| 12. di_____ve the sugar               | <i>v.</i> | to be or cause to be absorbed by a liquid to form a part of the solution; to close down or dismiss  |
| 13. pho_____ics system                | <i>n.</i> | a branch of technology that involves the conversion of sunlight into electricity using solar cells or other photoelectric devices; the generation of electricity directly from sunlight, typically using solar panels |
| 14. el_____fy a manufacturing process | <i>v.</i> | to make a machine or system work by using electricity; to make someone extremely enthusiastic about or interested in something  |
| 15. a reg_____te sinner               | <i>v.</i> | to improve or renew an area, institution, system, etc., especially by making it more active or successful   |
| 16. he_____n head bolt                | <i>n.</i> | a six-sided polygon with six angles and six sides of equal length   |
| 17. gl_____r retreat                  | <i>n.</i> | a slowly moving mass of ice formed from snow on mountains or near the North Pole or the South Pole  |
| 18. la_____te flooring                | <i>n.</i> | a material made by bonding together two or more layers of different materials, often used in furniture or flooring  |
| 19. e__t air pollution                | <i>v.</i> | to give off or send out something such as light, heat, sound, gas, etc.   |

ANSWERS: 11. reabsorption, 12. dissolve, 13. photovoltaics, 14. electrify, 15. regenerate, 16. hexagon, 17. glacier, 18. laminate, 19. emit

20. dec\_\_\_\_\_ze their manufacturing process      *v.* to stop or reduce emitting carbon gases, especially carbon dioxide, by replacing energy made from fossil fuels with renewable energy
21. he\_\_\_\_\_n pattern      *n.* a six-sided polygon with six angles and six sides of equal length
22. dec\_\_\_\_\_ze its energy system      *v.* to stop or reduce emitting carbon gases, especially carbon dioxide, by replacing energy made from fossil fuels with renewable energy
23. gl\_\_\_\_\_rs move tardily      *n.* a slowly moving mass of ice formed from snow on mountains or near the North Pole or the South Pole
24. garden pa\_\_\_\_\_on      *n.* a large, often ornate tent or booth, often used for entertainment or public events; a building or structure, often in a park or other public space, used for meetings, exhibitions, or social gatherings
25. mic\_\_\_\_\_er gauge      *n.* a tool for measuring small distances or dimensions, typically accurate to within one-thousandth of a millimeter
26. ov\_\_\_\_\_ze tire      *adj.* larger than the normal or standard size
27. wi\_\_\_\_\_ll blades      *n.* a machine that uses wind power to generate mechanical energy or electricity
28. reg\_\_\_\_\_te bone tissue      *v.* to improve or renew an area, institution, system, etc., especially by making it more active or successful
29. fa\_\_\_e of wealth      *n.* the face or front of a building, especially a large one; superficial or false appearance intended to conceal something unpleasant

ANSWERS: 20. decarbonize, 21. hexagon, 22. decarbonize, 23. glacier, 24. pavilion, 25. micrometer, 26. oversize, 27. windmill, 28. regenerate, 29. facade



30. bankrupt cr\_\_\_\_or *n.* a person, company, etc. to whom a debtor owes money
31. the outside fa\_\_\_e of a castle *n.* the face or front of a building, especially a large one; superficial or false appearance intended to conceal something unpleasant
32. grasp the en\_\_\_\_ty *n.* the quality of being extremely evil or wicked; the vastness of size or extent
33. ill\_\_\_\_\_te a dark hall *v.* to light something or to make something lighter or brighter; to make something free from confusion or ambiguity
34. antibiotic-resistant g\_\_m *n.* a very tiny living that causes the disease; a piece of something such as an organism, concept, etc., capable of growing into a new one or part of one
35. wi\_\_\_\_\_ll energy *n.* a machine that uses wind power to generate mechanical energy or electricity
36. rea\_\_\_\_\_ion of water *n.* the organic process in which the substance of some differentiated structure that has been produced by the body undergoes lysis and assimilation
37. officially di\_\_\_\_ved the marriage *v.* to be or cause to be absorbed by a liquid to form a part of the solution; to close down or dismiss
38. vernier mic\_\_\_\_\_er *n.* a tool for measuring small distances or dimensions, typically accurate to within one-thousandth of a millimeter
39. com\_\_\_\_\_ize idea *v.* to make something available for sale or use on a large scale

ANSWERS: 30. creditor, 31. facade, 32. enormity, 33. illuminate, 34. germ, 35. windmill, 36. reabsorption, 37. dissolve, 38. micrometer, 39. commercialize

40. in\_\_\_\_\_te electricity      *v.* to protect something by interposing material that prevents heat, noise, electricity, etc.
41. en\_\_\_\_\_p her in a bear hug      *v.* to surround and cover completely; to encase
42. a g\_\_m-free environment      *n.* a very tiny living that causes the disease; a piece of something such as an organism, concept, etc., capable of growing into a new one or part of one
43. 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
44. la\_\_\_\_\_te table      *n.* a material made by bonding together two or more layers of different materials, often used in furniture or flooring
45. ill\_\_\_\_\_te my understanding      *v.* to light something or to make something lighter or brighter; to make something free from confusion or ambiguity
46. the en\_\_\_\_\_ty of the task      *n.* the quality of being extremely evil or wicked; the vastness of size or extent

ANSWERS: 40. insulate, 41. envelop, 42. germ, 43. electrify, 44. laminate, 45. illuminate, 46. enormity

## Session 3: Fill in the Blanks

1. The countertop in my kitchen is made of durable \_\_\_\_\_ material.
  - n.* a material made by bonding together two or more layers of different materials, often used in furniture or flooring
  
2. The countryside was dotted with picturesque \_\_\_\_\_.
  - n.* a machine that uses wind power to generate mechanical energy or electricity
  
3. We had our bedroom \_\_\_\_\_ before winter came.
  - v.* to protect something by interposing material that prevents heat, noise, electricity, etc.
  
4. The scientist used a digital \_\_\_\_\_ to measure the exact thickness of the material.
  - n.* a tool for measuring small distances or dimensions, typically accurate to within one-thousandth of a millimeter
  
5. The fog \_\_\_\_\_ the city, making it difficult to see.
  - v.* to surround and cover completely; to encase
  
6. I asked the lawyer to initiate \_\_\_\_\_ negotiations for voluntary liquidation.
  - n.* a person, company, etc. to whom a debtor owes money
  
7. The new CEO's primary mission is to \_\_\_\_\_ the company on the verge of bankruptcy.
  - v.* to improve or renew an area, institution, system, etc., especially by making it more active or successful

ANSWERS: 1. laminate, 2. windmills, 3. insulated, 4. micrometer, 5. enveloped, 6. creditor, 7. regenerate

8. The outdoor wedding reception was held in a beautiful \_\_\_\_\_ overlooking the lake.
- n.* a large, often ornate tent or booth, often used for entertainment or public events; a building or structure, often in a park or other public space, used for meetings, exhibitions, or social gatherings
9. A gentle \_\_\_\_\_ concealed his powerfulness.
- n.* the face or front of a building, especially a large one; superficial or false appearance intended to conceal something unpleasant
10. The company is trying to \_\_\_\_\_ its new product.
- v.* to make something available for sale or use on a large scale
11. The honeycomb structure of a beehive is made up of \_\_\_\_\_.
- n.* a six-sided polygon with six angles and six sides of equal length
12. The political party \_\_\_\_\_ after much internal fighting.
- v.* to be or cause to be absorbed by a liquid to form a part of the solution; to close down or dismiss
13. The \_\_\_\_\_ of the ice age have shaped Fjord.
- n.* a slowly moving mass of ice formed from snow on mountains or near the North Pole or the South Pole
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
15. During the unloading, the container box \_\_\_\_\_ a clicking sound.
- v.* to give off or send out something such as light, heat, sound, gas, etc.

ANSWERS: 8. pavilion, 9. facade, 10. commercialize, 11. hexagons, 12. dissolved, 13. glaciers, 14. electrify, 15. emits

16. We have to seek methods to \_\_\_\_\_ its fossil fuel economy.
- v.* to stop or reduce emitting carbon gases, especially carbon dioxide, by replacing energy made from fossil fuels with renewable energy
17. The \_\_\_\_\_ of his idea came from watching birds flying in flocks.
- n.* a very tiny living that causes the disease; a piece of something such as an organism, concept, etc., capable of growing into a new one or part of one
18. The development of thin-film \_\_\_\_\_ has allowed for a wider range of applications in building design.
- n.* a branch of technology that involves the conversion of sunlight into electricity using solar cells or other photoelectric devices; the generation of electricity directly from sunlight, typically using solar panels
19. The \_\_\_\_\_ jacket was too big for her, but she still wore it because she liked the style.
- adj.* larger than the normal or standard size
20. That biologist \_\_\_\_\_ the mechanism of heredity.
- v.* to light something or to make something lighter or brighter; to make something free from confusion or ambiguity
21. We choose transportation that has a smaller carbon \_\_\_\_\_.
- n.* a mark of a foot, shoe, or animal's foot left on a surface
22. The \_\_\_\_\_ of the financial fraud was uncovered after years of investigation.
- n.* the quality of being extremely evil or wicked; the vastness of size or extent
23. The tubules are responsible for the \_\_\_\_\_ of sodium once filtered by the kidneys.
- n.* the organic process in which the substance of some differentiated structure that has been produced by the body undergoes lysis and assimilation

ANSWERS: 16. decarbonize, 17. germ, 18. photovoltaics, 19. oversize, 20. illuminated, 21. footprint, 22. enormity, 23. reabsorption

ANSWERS: