

# Englist.me



## Vocabulary Builder Reference from...

George Zaidan: Why your phone battery gets worse over time | TED Talk

[https://www.ted.com/talks/george\\_zaidan\\_why\\_your\\_phone\\_battery\\_gets\\_worse\\_over\\_time](https://www.ted.com/talks/george_zaidan_why_your_phone_battery_gets_worse_over_time)

### Advanced Words Only

#### IMPORTANT

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## Session 1: Word List

### expend

*v.* to use or spend time, money, energy, etc.

*synonym*: disburse, spend, pay

(1) **expend** a great deal of energy, (2) **expend** time and resources

Billionaires tend to **expend** private funds on a public undertaking.

### recyclability

*n.* the degree to which a material or product can be reused or repurposed after it has served its original function, without requiring significant modifications or environmental harm

*synonym*: reusability, sustainability, renewability

(1) **recyclability** rate, (2) low **recyclability** problem

The **recyclability** of electronic devices is a significant challenge due to the complexity of their components.

### hydroxide

*n.* a chemical compound characterized by the presence of one or more hydroxyl groups (-OH), which can either act as a base or be neutralized by an acid to form a salt or water

*synonym*: base, lye, alkali

(1) **hydroxide** catalyst, (2) sodium **hydroxide** solution

Aluminum **hydroxide** is used in the treatment of stomach

ulcers and heartburn.

## manganese

*n.* a chemical element with the symbol Mn and atomic number 25, commonly used in steel production and other alloys

*synonym* : Mn

(1) **manganese** nodules, (2) **manganese** steel

**Manganese** dioxide is used as a catalyst in some chemical reactions.

## graphite

*n.* a soft, black, lustrous form of carbon that is conductive and used as a lubricant and in pencils and electrodes in electrical devices

*synonym* : carbon, black lead, plumbago

(1) **graphite** pencil, (2) **graphite** mine

The **graphite** in the brake pads helps to reduce friction during braking.

## recharge

*v.* to restore the energy or power of something by supplying it with more energy or power; to refresh or renew oneself by rest or sleep

*synonym* : renew, refresh, replenish

(1) **recharge** brain and body, (2) **recharge** energy

He needed to **recharge** his phone before the meeting.

## hydrocarbon

*n.* an organic compound consisting entirely of hydrogen and carbon

(1) **hydrocarbon** production, (2) **hydrocarbon** molecules in crude oil

Burning **hydrocarbons** releases water vapor and carbon dioxide.

## contaminate

*v.* to make something impure, unclean, or poisonous by contact or mixture

*synonym* : defile, pollute, adulterate

(1) **contaminate** with a disease, (2) **contaminate** his ego

We strive not to **contaminate** the environment when

demolishing petroleum plants.

## **lithium**

*n.* a soft, silvery-white metal that is highly reactive and used in batteries, alloy production, and medications for bipolar disorder

*synonym* : lithy, Li, salt

(1) **lithium** carbonate, (2) **lithium** mining

**Lithium-ion** batteries are commonly used in laptops, smartphones, and electric vehicles.

## **orderly**

*adj.* clean or organized in a neat, careful and logical way

*synonym* : tidy, tidied, neat

(1) **orderly** and fair market, (2) **orderly** manner

The elections were handled in a timely and **orderly** manner.

## **veer**

*v.* to change direction suddenly or sharply; to turn or swerve from one course or direction to another

*synonym* : swerve, diverge, shift

(1) **veer** toward danger, (2) **veer** to the left

The car **veered** off the road and crashed into a tree.

## **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.

## **impure**

*adj.* mixed with other substances or foreign matter; (of persons or behaviors) immoral or obscene, especially in sexual matters

*synonym* : contaminated, polluted, unclean

(1) **impure** water, (2) **impure** thoughts

In some religions, pork is deemed **impure**.

## conserve

*v.* to protect something, especially the natural environment or culture, from change, damage, or destruction

*synonym* : preserve, save, maintain

(1) means to **conserve** energy, (2) **conserve** coal resources

Children must be taught to **conserve** our natural environment.

## intricate

*adj.* having many different parts and small details that all work together

*synonym* : complicated, convoluted, complex

(1) **intricate** details, (2) **intricate** lacework

The politician managed to deal with that **intricate** issue.

## indestructible

*adj.* impossible to destroy or damage beyond repair

*synonym* : unbreakable, sturdy, durable

(1) **indestructible** warrior, (2) **indestructible** object

The vault was advertised as **indestructible** but was eventually broken into.

## byproduct

*n.* a secondary or incidental product produced in the manufacture or synthesis of something else

*synonym* : side effect, spinoff, outgrowth

(1) toxic **byproducts**, (2) **byproduct** of technology

The **byproduct** of the energy production process is a large amount of carbon dioxide emissions.

## 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.

## Session 2: Spelling

- |   |   |
|---|---|
| 1. in_____te details                      | <i>adj.</i> having many different parts and small details that all work together  |
| 2. hyd_____on molecules in crude oil      | <i>n.</i> an organic compound consisting entirely of hydrogen and carbon  |
| 3. ind_____ble object                     | <i>adj.</i> impossible to destroy or damage beyond repair   |
| 4. ma_____se nodules                      | <i>n.</i> a chemical element with the symbol Mn and atomic number 25, commonly used in steel production and other alloys  |
| 5. re_____e milk packaging into new paper | <i>v.</i> to sort and collect things to process them and produce valuable materials that can be used again  |
| 6. con_____te with a disease              | <i>v.</i> to make something impure, unclean, or poisonous by contact or mixture   |
| 7. toxic by_____cts                       | <i>n.</i> a secondary or incidental product produced in the manufacture or synthesis of something else  |
| 8. by_____ct of technology                | <i>n.</i> a secondary or incidental product produced in the manufacture or synthesis of something else  |
| 9. gr_____te pencil                       | <i>n.</i> a soft, black, lustrous form of carbon that is conductive and used as a lubricant and in pencils and electrodes in electrical devices                                       |
| 10. hy_____de catalyst                    | <i>n.</i> a chemical compound characterized by the presence of one or more hydroxyl groups (-OH), which can either act as a base or be neutralized by an acid to form a salt or water |

ANSWERS: 1. intricate, 2. hydrocarbon, 3. indestructible, 4. manganese, 5. recycle, 6. contaminate, 7. byproduct, 8. byproduct, 9. graphite, 10. hydroxide

11. ind\_\_\_\_\_ble warrior *adj.* impossible to destroy or damage beyond repair
12. im\_\_\_e thoughts *adj.* mixed with other substances or foreign matter; (of persons or behaviors) immoral or obscene, especially in sexual matters
13. re\_\_\_\_\_ge brain and body *v.* to restore the energy or power of something by supplying it with more energy or power; to refresh or renew oneself by rest or sleep
14. low rec\_\_\_\_\_ity problem *n.* the degree to which a material or product can be reused or repurposed after it has served its original function, without requiring significant modifications or environmental harm
15. hyd\_\_\_\_\_on production *n.* an organic compound consisting entirely of hydrogen and carbon
16. in\_\_\_\_\_te lacework *adj.* having many different parts and small details that all work together
17. or\_\_\_\_\_y and fair market *adj.* clean or organized in a neat, careful and logical way
18. rec\_\_\_\_\_ity rate *n.* the degree to which a material or product can be reused or repurposed after it has served its original function, without requiring significant modifications or environmental harm
19. v\_\_r toward danger *v.* to change direction suddenly or sharply; to turn or swerve from one course or direction to another

ANSWERS: 11. indestructible, 12. impure, 13. recharge, 14. recyclability, 15. hydrocarbon, 16. intricate, 17. orderly, 18. recyclability, 19. veer

20. 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
21. gr\_\_\_\_\_te mine      *n.* a soft, black, lustrous form of carbon that is conductive and used as a lubricant and in pencils and electrodes in electrical devices
22. ex\_\_\_\_d a great deal of energy      *v.* to use or spend time, money, energy, etc.
23. li\_\_\_\_\_m carbonate      *n.* a soft, silvery-white metal that is highly reactive and used in batteries, alloy production, and medications for bipolar disorder
24. 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
25. or\_\_\_\_\_y manner      *adj.* clean or organized in a neat, careful and logical way
26. im\_\_\_\_e water      *adj.* mixed with other substances or foreign matter; (of persons or behaviors) immoral or obscene, especially in sexual matters
27. ex\_\_\_\_d time and resources      *v.* to use or spend time, money, energy, etc.
28. sodium hy\_\_\_\_\_de solution      *n.* a chemical compound characterized by the presence of one or more hydroxyl groups (-OH), which can either act as a base or be neutralized by an acid to form a salt or water

ANSWERS: 20. electrify, 21. graphite, 22. expend, 23. lithium, 24. electrify, 25. orderly, 26. impure, 27. expend, 28. hydroxide

29. means to co\_\_\_\_\_ve energy      *v.* to protect something, especially the natural environment or culture, from change, damage, or destruction
30. re\_\_\_\_\_ge energy      *v.* to restore the energy or power of something by supplying it with more energy or power; to refresh or renew oneself by rest or sleep
31. con\_\_\_\_\_te his ego      *v.* to make something impure, unclean, or poisonous by contact or mixture
32. v\_\_r to the left      *v.* to change direction suddenly or sharply; to turn or swerve from one course or direction to another
33. li\_\_\_\_\_m mining      *n.* a soft, silvery-white metal that is highly reactive and used in batteries, alloy production, and medications for bipolar disorder
34. re\_\_\_\_\_e the cardboard boxes      *v.* to sort and collect things to process them and produce valuable materials that can be used again
35. co\_\_\_\_\_ve coal resources      *v.* to protect something, especially the natural environment or culture, from change, damage, or destruction
36. ma\_\_\_\_\_se steel      *n.* a chemical element with the symbol Mn and atomic number 25, commonly used in steel production and other alloys

ANSWERS: 29. conserve, 30. recharge, 31. contaminate, 32. veer, 33. lithium, 34. recycle, 35. conserve, 36. manganese



## Session 3: Fill in the Blanks

1. 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
2. Billionaires tend to \_\_\_\_\_ private funds on a public undertaking.  
*v.* to use or spend time, money, energy, etc.
3. The elections were handled in a timely and \_\_\_\_\_ manner.  
*adj.* clean or organized in a neat, careful and logical way
4. The \_\_\_\_\_ in the brake pads helps to reduce friction during braking.  
*n.* a soft, black, lustrous form of carbon that is conductive and used as a lubricant and in pencils and electrodes in electrical devices
5. In some religions, pork is deemed \_\_\_\_\_.  
*adj.* mixed with other substances or foreign matter; (of persons or behaviors) immoral or obscene, especially in sexual matters
6. The vault was advertised as \_\_\_\_\_ but was eventually broken into.  
*adj.* impossible to destroy or damage beyond repair
7. The politician managed to deal with that \_\_\_\_\_ issue.  
*adj.* having many different parts and small details that all work together
8. Children must be taught to \_\_\_\_\_ our natural environment.  
*v.* to protect something, especially the natural environment or culture, from change, damage, or destruction

ANSWERS: 1. electrify, 2. expend, 3. orderly, 4. graphite, 5. impure, 6. indestructible, 7. intricate, 8. conserve

9. We strive not to \_\_\_\_\_ the environment when demolishing petroleum plants.
- v.* to make something impure, unclean, or poisonous by contact or mixture
10. The \_\_\_\_\_ of the energy production process is a large amount of carbon dioxide emissions.
- n.* a secondary or incidental product produced in the manufacture or synthesis of something else
11. 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
12. Burning \_\_\_\_\_ releases water vapor and carbon dioxide.
- n.* an organic compound consisting entirely of hydrogen and carbon
13. Aluminum \_\_\_\_\_ is used in the treatment of stomach ulcers and heartburn.
- n.* a chemical compound characterized by the presence of one or more hydroxyl groups (-OH), which can either act as a base or be neutralized by an acid to form a salt or water
14. The car \_\_\_\_\_ off the road and crashed into a tree.
- v.* to change direction suddenly or sharply; to turn or swerve from one course or direction to another
15. \_\_\_\_\_ batteries are commonly used in laptops, smartphones, and electric vehicles.
- n.* a soft, silvery-white metal that is highly reactive and used in batteries, alloy production, and medications for bipolar disorder

ANSWERS: 9. contaminate, 10. byproduct, 11. recycle, 12. hydrocarbons, 13. hydroxide, 14. veered, 15. Lithium-ion

16. \_\_\_\_\_ dioxide is used as a catalyst in some chemical reactions.
- n.* a chemical element with the symbol Mn and atomic number 25, commonly used in steel production and other alloys
17. The \_\_\_\_\_ of electronic devices is a significant challenge due to the complexity of their components.
- n.* the degree to which a material or product can be reused or repurposed after it has served its original function, without requiring significant modifications or environmental harm
18. He needed to \_\_\_\_\_ his phone before the meeting.
- v.* to restore the energy or power of something by supplying it with more energy or power; to refresh or renew oneself by rest or sleep

ANSWERS: 16. Manganese, 17. recyclability, 18. recharge