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## Vocabulary Builder Reference from...

*Myles Allen: Fossil fuel companies know how to stop global warming. Why don't they? | TED Talk*

[https://www.ted.com/talks/myles\\_allen\\_fossil\\_fuel\\_companies\\_know\\_how\\_to\\_stop\\_global\\_warming\\_why\\_don\\_t\\_they](https://www.ted.com/talks/myles_allen_fossil_fuel_companies_know_how_to_stop_global_warming_why_don_t_they)

### Advanced Words Only

#### IMPORTANT

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## Session 1: Word List

### industrious

*adj.* hardworking, diligent, and persistent in effort

*synonym*: diligent, hardworking, assiduous

(1) **industrious** worker, (2) **industrious** student

He was known to be very **industrious** and would often work late into the night.

### 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.

### shrug

*v.* to raise your shoulders and then drop them to say you do not know or are not interested

(1) **shrug** off the importance, (2) **shrug** his shoulders sadly

I respect her ability to **shrug** off harsh criticism.

### 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.

## outcompete

v. to be more successful in competition than someone or something

*synonym* : outperform, outdo, surpass

(1) **outcompete** peers, (2) **outcompete** domestic producers

To **outcompete** its rivals, the company invested heavily in research and development.

## chimney

n. a vertical structure that channels smoke or gas from a fire or furnace out of a building; a hollow column or tube that facilitates air or fluid flow throughout a system

*synonym* : flue, smokestack, stack

(1) smoke **chimney**, (2) **chimney** sweep

The **chimney** in the factory was constantly emitting dark smoke.

## refinery

n. a facility that is used to process, purify, and refine raw materials such as oil or metal into a more useful or valuable form

*synonym* : plant, factory, processing plant

(1) hydrogen **refinery**, (2) **refinery** operations

The oil **refinery** was shut down due to safety concerns after a major accident.

## purify

v. to remove harmful substances from something and increase the concentration of it

*synonym* : refine, filter, clarify

(1) **purify** hydrogen gas, (2) **purify** the blood

The equipment is frequently used to **purify** and distribute drinking water.

## compress

v. to press or squeeze together to make something take up less space

*synonym*: condense, constrict, squeeze

(1) **compress** the chest, (2) **compress** gas

She **compressed** the files into a single ZIP archive to save space on her computer.

## inject

*v.* to put a liquid such as a drug or other substance into a person's or an animal's body using a needle and syringe (= small tube)

*synonym*: shoot, infiltrate, insinuate

(1) **inject** under the skin, (2) **inject** a personal opinion into a debate

Let's try to **inject** a bit of enthusiasm into your performance.

## 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.

## stopgap

*n.* something intended for temporary use while you are looking for something more suitable

*synonym*: impromptu, make-do, expedient

(1) a **stopgap** budget, (2) **stopgap** remedy

He had no choice but to adopt a **stopgap** measure because of his limited budget.

## recapture

*v.* to take back control or possession of something

*synonym*: retake, reoccupy, regain

(1) **recapture** prisoner, (2) **recapture** territory

The company launched a campaign to **recapture** lost market share.

## constrain

*v.* to restrict or limit someone or something's freedom or ability to do something

*synonym*: restrict, limit, confine

(1) **constrain** his freedom, (2) **constrain** information flow  
The political situation **constrained** the country's economic growth and foreign relations.

## philanthropy

*n.* the practice of voluntarily helping the poor, especially by giving money

*synonym*: altruism, benevolence, generosity

(1) **philanthropy** organization, (2) private **philanthropy**  
Tech billionaires often spend the majority of their time on **philanthropy**.

## deforestation

*n.* the act of cutting down or burning trees in a large area

*synonym*: clear-cutting, desertification

(1) **deforestation** of the tropics, (2) the lowest **deforestation** rate

Large-scale **deforestation** also has a significant impact on marine ecosystems in the area.

## environmentalist

*n.* a person who is concerned with and advocates for the protection of the natural environment

*synonym*: conservationist

(1) dedicated **environmentalist**, (2) an **environmentalist** political party

The **environmentalist** lobby changed the mindset of many conservative politicians.

## disturb

*v.* to interrupt someone who is trying to work, sleep, etc.

*synonym*: agitate, bother, intrude

(1) **disturb** the peace, (2) **disturb** his sleep

Tourists frequently **disturb** the island's delicate natural balance.

## Session 2: Spelling

- |                                   |      |                                                                                                                               |
|-----------------------------------|------|-------------------------------------------------------------------------------------------------------------------------------|
| 1. out_____te domestic producers  | v.   | to be more successful in competition than someone or something                                                                |
| 2. the lowest def_____ion rate    | n.   | the act of cutting down or burning trees in a large area                                                                      |
| 3. sh__g his shoulders sadly      | v.   | to raise your shoulders and then drop them to say you do not know or are not interested                                       |
| 4. out_____te peers               | v.   | to be more successful in competition than someone or something                                                                |
| 5. ind_____us student             | adj. | hardworking, diligent, and persistent in effort                                                                               |
| 6. an env_____ist political party | n.   | a person who is concerned with and advocates for the protection of the natural environment                                    |
| 7. re_____re territory            | v.   | to take back control or possession of something                                                                               |
| 8. a st_____p budget              | n.   | something intended for temporary use while you are looking for something more suitable                                        |
| 9. e__t air pollution             | v.   | to give off or send out something such as light, heat, sound, gas, etc.                                                       |
| 10. co_____ss gas                 | v.   | to press or squeeze together to make something take up less space                                                             |
| 11. di_____b the peace            | v.   | to interrupt someone who is trying to work, sleep, etc.                                                                       |
| 12. re_____ry operations          | n.   | a facility that is used to process, purify, and refine raw materials such as oil or metal into a more useful or valuable form |

ANSWERS: 1. outcompete, 2. deforestation, 3. shrug, 4. outcompete, 5. industrious, 6. environmentalist, 7. recapture, 8. stopgap, 9. emit, 10. compress, 11. disturb, 12. refinery

- |                                              |      |                                                                                                                                      |
|----------------------------------------------|------|--------------------------------------------------------------------------------------------------------------------------------------|
| 13. co_____ss the chest                      | v.   | to press or squeeze together to make something take up less space                                                                    |
| 14. 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 |
| 15. pu____y hydrogen gas                     | v.   | to remove harmful substances from something and increase the concentration of it                                                     |
| 16. in____t a personal opinion into a debate | v.   | to put a liquid such as a drug or other substance into a person's or an animal's body using a needle and syringe (= small tube)      |
| 17. re_____re prisoner                       | v.   | to take back control or possession of something                                                                                      |
| 18. private phi_____opy                      | n.   | the practice of voluntarily helping the poor, especially by giving money                                                             |
| 19. sh__g off the importance                 | v.   | to raise your shoulders and then drop them to say you do not know or are not interested                                              |
| 20. e__t a gamma ray                         | v.   | to give off or send out something such as light, heat, sound, gas, etc.                                                              |
| 21. ind_____us worker                        | adj. | hardworking, diligent, and persistent in effort                                                                                      |
| 22. hydrogen re_____ry                       | n.   | a facility that is used to process, purify, and refine raw materials such as oil or metal into a more useful or valuable form        |
| 23. co_____in information flow               | v.   | to restrict or limit someone or something's freedom or ability to do something                                                       |

ANSWERS: 13. compress, 14. decarbonize, 15. purify, 16. inject, 17. recapture, 18. philanthropy, 19. shrug, 20. emit, 21. industrious, 22. refinery, 23. constrain

24. phi\_\_\_\_\_opy organization *n.* the practice of voluntarily helping the poor, especially by giving money
25. in\_\_\_t under the skin *v.* to put a liquid such as a drug or other substance into a person's or an animal's body using a needle and syringe (= small tube)
26. ch\_\_\_\_\_y sweep *n.* a vertical structure that channels smoke or gas from a fire or furnace out of a building; a hollow column or tube that facilitates air or fluid flow throughout a system
27. 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
28. co\_\_\_\_\_in his freedom *v.* to restrict or limit someone or something's freedom or ability to do something
29. hyd\_\_\_\_\_on molecules in crude oil *n.* an organic compound consisting entirely of hydrogen and carbon
30. hyd\_\_\_\_\_on production *n.* an organic compound consisting entirely of hydrogen and carbon
31. pu\_\_\_y the blood *v.* to remove harmful substances from something and increase the concentration of it
32. smoke ch\_\_\_\_\_y *n.* a vertical structure that channels smoke or gas from a fire or furnace out of a building; a hollow column or tube that facilitates air or fluid flow throughout a system

ANSWERS: 24. philanthropy, 25. inject, 26. chimney, 27. decarbonize, 28. constrain, 29. hydrocarbon, 30. hydrocarbon, 31. purify, 32. chimney

33. st\_\_\_\_p remedy *n.* something intended for temporary use while you are looking for something more suitable
34. di\_\_\_\_b his sleep *v.* to interrupt someone who is trying to work, sleep, etc.
35. def\_\_\_\_\_ion of the tropics *n.* the act of cutting down or burning trees in a large area
36. dedicated env\_\_\_\_\_ist *n.* a person who is concerned with and advocates for the protection of the natural environment

ANSWERS: 33. stopgap, 34. disturb, 35. deforestation, 36. environmentalist



## Session 3: Fill in the Blanks

1. I respect her ability to \_\_\_\_\_ off harsh criticism.
  - v. to raise your shoulders and then drop them to say you do not know or are not interested
  
2. 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
  
3. Burning \_\_\_\_\_ releases water vapor and carbon dioxide.
  - n. an organic compound consisting entirely of hydrogen and carbon
  
4. Tech billionaires often spend the majority of their time on \_\_\_\_\_.
  - n. the practice of voluntarily helping the poor, especially by giving money
  
5. The \_\_\_\_\_ in the factory was constantly emitting dark smoke.
  - n. a vertical structure that channels smoke or gas from a fire or furnace out of a building; a hollow column or tube that facilitates air or fluid flow throughout a system
  
6. He had no choice but to adopt a \_\_\_\_\_ measure because of his limited budget.
  - n. something intended for temporary use while you are looking for something more suitable
  
7. Tourists frequently \_\_\_\_\_ the island's delicate natural balance.
  - v. to interrupt someone who is trying to work, sleep, etc.

ANSWERS: 1. shrug, 2. decarbonize, 3. hydrocarbons, 4. philanthropy, 5. chimney, 6. stopgap, 7. disturb

8. The oil \_\_\_\_\_ was shut down due to safety concerns after a major accident.  
*n.* a facility that is used to process, purify, and refine raw materials such as oil or metal into a more useful or valuable form
9. The equipment is frequently used to \_\_\_\_\_ and distribute drinking water.  
*v.* to remove harmful substances from something and increase the concentration of it
10. He was known to be very \_\_\_\_\_ and would often work late into the night.  
*adj.* hardworking, diligent, and persistent in effort
11. The \_\_\_\_\_ lobby changed the mindset of many conservative politicians.  
*n.* a person who is concerned with and advocates for the protection of the natural environment
12. To \_\_\_\_\_ its rivals, the company invested heavily in research and development.  
*v.* to be more successful in competition than someone or something
13. Large-scale \_\_\_\_\_ also has a significant impact on marine ecosystems in the area.  
*n.* the act of cutting down or burning trees in a large area
14. During the unloading, the container box \_\_\_\_\_ a clicking sound.  
*v.* to give off or send out something such as light, heat, sound, gas, etc.
15. The political situation \_\_\_\_\_ the country's economic growth and foreign relations.  
*v.* to restrict or limit someone or something's freedom or ability to do something

ANSWERS: 8. refinery, 9. purify, 10. industrious, 11. environmentalist, 12. outcompete, 13. deforestation, 14. emits, 15. constrained

16. The company launched a campaign to \_\_\_\_\_ lost market share.

- v. to take back control or possession of something

17. Let's try to \_\_\_\_\_ a bit of enthusiasm into your performance.

- v. to put a liquid such as a drug or other substance into a person's or an animal's body using a needle and syringe (= small tube)

18. She \_\_\_\_\_ the files into a single ZIP archive to save space on her computer.

- v. to press or squeeze together to make something take up less space

ANSWERS: 16. recapture, 17. inject, 18. compressed