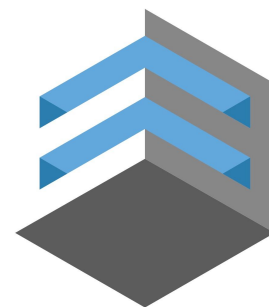


Englist.me



Vocabulary Builder Reference from...

Alex Gendler: Building the world's largest (and most controversial) power plant | TED Talk

https://www.ted.com/talks/alex_gendler_building_the_world_s_largest_and_most_controversial_power_plant

Advanced Words Only

IMPORTANT

This material is a commentary and does not contain any copyrighted material of the reference source. We strongly recommend accessing/buying the reference source at the same time.

Session 1: Word List

hydroelectric

adj. relating to the generation of electricity from water power, usually by using turbines or generators powered by falling or flowing water; utilizing the energy of water to generate electricity

synonym : water-powered, turbine, dam-generated

(1) **hydroelectric** stations, (2) **hydroelectric** dam

The town decided to convert its power source to **hydroelectric** energy.

penstock

n. a pipe or conduit used to carry water from a reservoir or dam to a turbine or water wheel used in hydroelectric power generation

synonym : conduit, pipeline, sluice

(1) **penstock** flow, (2) steel **penstock**

A crack in the **penstock** caused water to leak and disrupted power production at the plant.

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.

stormy

adj. marked by strong winds, heavy rain, thunder, and lightning; characterized by tumultuous or rough emotions, particularly in a relationship or situation

synonym: tempestuous, turbulent, choppy

(1) **stormy** relationship, (2) **stormy** weather

The city council meeting was **stormy**, as people argued about a controversial new policy.

circulate

v. to move continuously or freely around a place or closed system

synonym: flow, disperse, rotate

(1) **circulate** a rumor, (2) **circulate** an agenda before the meeting

The fan **circulates** the air in the room quickly.

archaeology

n. the branch of anthropology that studies prehistoric people and their cultures

(1) the institute of **archaeology**, (2) prehistoric **archaeology**

She teaches **archaeology** at the local university.

displace

v. to force someone or something to leave their home or place of origin, especially as a result of conflict, natural disaster, or manipulation

synonym: evict, exile, remove

(1) **displace** workers, (2) **displace** the explosive power

The construction of the new dam will **displace** hundreds of families living downstream.

relocate

v. to move or move something or someone to a new place and build a house or a business there

synonym: emigrate, resettle, migrate

(1) **relocate** a company, (2) **relocate** with a new job

The university **relocated** to campuses several miles away.

outweigh

v. to be heavier, more significant, or more critical than something

synonym: dominate, outrank, overpower

(1) **outweigh** the benefit, (2) **outweigh** our wishes

The advantages would undoubtedly **outweigh** the disadvantages.

navigable

adj. able to be sailed on or through, especially referring to a body of water or a channel; passable or clear of obstruction for travel

synonym: navigational, passable, accessible

(1) make a **navigable** path, (2) **navigable** channel

The river was deep enough to be **navigable** by large cargo ships.

prosperous

adj. successful financially or materially; bringing success or good fortune

synonym: successful, thriving, affluent

(1) **prosperous** weather, (2) **prosperous** nation

The company decided to invest in a **prosperous** industry.

astonishing

adj. surprising or shocking; difficult to believe

synonym: surprising, shocking, astounding

(1) **astonishing** achievement, (2) make **astonishing** gains

The news of her sudden death was **astonishing** to everyone who knew her.

outperform

v. to be or do something compared to others of a similar type

synonym: beat, exceed, surpass

(1) **outperform** other countries, (2) **outperform** the human brain

They consistently **outperformed** other teams in the league.

determinant

n. a factor, circumstance, or condition that contributes to the shaping, influencing, or determining of a particular outcome or result

synonym : cause, factor, element

(1) environmental **determinant**, (2) a **determinant** of crop yields

One **determinant** of success is having a positive attitude and a strong work ethic.

ravine

n. a deep, narrow gorge or valley with steep sides, often carved by the flow of water or a landslide

synonym : canyon, gorge, gulch

(1) **ravine** trail, (2) steep **ravine**

The hiker fell into a **ravine** and had to be rescued by a helicopter.

atop

adv. on, to, or at the top

synonym : upon, onto

(1) stand **atop**, (2) sit **atop** a stack of books

The eagle perched **atop** the tallest tree in the forest.

waterfall

n. a point in a river or stream where water falls from a high place, for example, over a cliff or rock

synonym : cascade, falls, rapids

(1) scenic **waterfall**, (2) a **waterfall** with a fall of ten feet

Years of river erosion have formed the uniquely shaped **waterfall** basin.

rivalry

n. competition or opposition between people or groups, especially in sports or business

synonym : competition, contest, struggle

(1) fierce **rivalry**, (2) **rivalry** among airlines

The **rivalry** between the two teams was intense and heated.

vie

v. to compete or contend for something, usually a prize, position, or advantage; to strive for superiority or mastery in one's field or area of expertise

synonym : compete, contend, strive

(1) **vie** for a trophy, (2) **vie** for attention

They both **vied** for the top spot in the company.

Session 2: Spelling

- | | | |
|---|-------------|--|
| 1. ci_____te an agenda before the meeting | v. | to move continuously or freely around a place or closed system |
| 2. stand a__p | <i>adv.</i> | on, to, or at the top |
| 3. out_____rm other countries | v. | to be or do something compared to others of a similar type |
| 4. di_____ce workers | v. | to force someone or something to leave their home or place of origin, especially as a result of conflict, natural disaster, or manipulation |
| 5. ou_____gh the benefit | v. | to be heavier, more significant, or more critical than something |
| 6. hyd_____ric stations | <i>adj.</i> | relating to the generation of electricity from water power, usually by using turbines or generators powered by falling or flowing water; utilizing the energy of water to generate electricity |
| 7. na_____le channel | <i>adj.</i> | able to be sailed on or through, especially referring to a body of water or a channel; passable or clear of obstruction for travel |
| 8. di_____ce the explosive power | v. | to force someone or something to leave their home or place of origin, especially as a result of conflict, natural disaster, or manipulation |
| 9. hyd_____ric dam | <i>adj.</i> | relating to the generation of electricity from water power, usually by using turbines or generators powered by falling or flowing water; utilizing the energy of water to generate electricity |

ANSWERS: 1. circulate, 2. atop, 3. outperform, 4. displace, 5. outweigh, 6. hydroelectric, 7. navigable, 8. displace, 9. hydroelectric

- | | |
|---------------------------------|--|
| 10. st___y weather | <i>adj.</i> marked by strong winds, heavy rain, thunder, and lightning; characterized by tumultuous or rough emotions, particularly in a relationship or situation |
| 11. ci_____te a rumor | <i>v.</i> to move continuously or freely around a place or closed system |
| 12. pe_____ck flow | <i>n.</i> a pipe or conduit used to carry water from a reservoir or dam to a turbine or water wheel used in hydroelectric power generation |
| 13. re_____te with a new job | <i>v.</i> to move or move something or someone to a new place and build a house or a business there |
| 14. fierce ri_____y | <i>n.</i> competition or opposition between people or groups, especially in sports or business |
| 15. ri_____y among airlines | <i>n.</i> competition or opposition between people or groups, especially in sports or business |
| 16. v_e for attention | <i>v.</i> to compete or contend for something, usually a prize, position, or advantage; to strive for superiority or mastery in one's field or area of expertise |
| 17. the institute of arc_____gy | <i>n.</i> the branch of anthropology that studies prehistoric people and their cultures |
| 18. scenic wa_____ll | <i>n.</i> a point in a river or stream where water falls from a high place, for example, over a cliff or rock |
| 19. ou_____gh our wishes | <i>v.</i> to be heavier, more significant, or more critical than something |

ANSWERS: 10. stormy, 11. circulate, 12. penstock, 13. relocate, 14. rivalry, 15. rivalry, 16. vie, 17. archaeology, 18. waterfall, 19. outweigh

20. pro_____us nation *adj.* successful financially or materially; bringing success or good fortune
21. prehistoric arc_____gy *n.* the branch of anthropology that studies prehistoric people and their cultures
22. re_____te a company *v.* to move or move something or someone to a new place and build a house or a business there
23. make ast_____ng gains *adj.* surprising or shocking; difficult to believe
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. 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
26. environmental det_____nt *n.* a factor, circumstance, or condition that contributes to the shaping, influencing, or determining of a particular outcome or result
27. ra_____e trail *n.* a deep, narrow gorge or valley with steep sides, often carved by the flow of water or a landslide
28. steel pe_____ck *n.* a pipe or conduit used to carry water from a reservoir or dam to a turbine or water wheel used in hydroelectric power generation
29. a wa_____ll with a fall of ten feet *n.* a point in a river or stream where water falls from a high place, for example, over a cliff or rock

ANSWERS: 20. prosperous, 21. archaeology, 22. relocate, 23. astonishing, 24. electrify, 25. electrify, 26. determinant, 27. ravine, 28. penstock, 29. waterfall

30. steep ra___e *n.* a deep, narrow gorge or valley with steep sides, often carved by the flow of water or a landslide
31. st___y relationship *adj.* marked by strong winds, heavy rain, thunder, and lightning; characterized by tumultuous or rough emotions, particularly in a relationship or situation
32. make a na_____le path *adj.* able to be sailed on or through, especially referring to a body of water or a channel; passable or clear of obstruction for travel
33. out_____rm the human brain *v.* to be or do something compared to others of a similar type
34. sit a__p a stack of books *adv.* on, to, or at the top
35. v_e for a trophy *v.* to compete or contend for something, usually a prize, position, or advantage; to strive for superiority or mastery in one's field or area of expertise
36. a det_____nt of crop yields *n.* a factor, circumstance, or condition that contributes to the shaping, influencing, or determining of a particular outcome or result
37. pro_____us weather *adj.* successful financially or materially; bringing success or good fortune
38. ast_____ng achievement *adj.* surprising or shocking; difficult to believe

ANSWERS: 30. ravine, 31. stormy, 32. navigable, 33. outperform, 34. atop, 35. vie, 36. determinant, 37. prosperous, 38. astonishing

Session 3: Fill in the Blanks

1. They consistently _____ other teams in the league.
v. to be or do something compared to others of a similar type
2. A crack in the _____ caused water to leak and disrupted power production at the plant.
n. a pipe or conduit used to carry water from a reservoir or dam to a turbine or water wheel used in hydroelectric power generation
3. She teaches _____ at the local university.
n. the branch of anthropology that studies prehistoric people and their cultures
4. The construction of the new dam will _____ hundreds of families living downstream.
v. to force someone or something to leave their home or place of origin, especially as a result of conflict, natural disaster, or manipulation
5. The hiker fell into a _____ and had to be rescued by a helicopter.
n. a deep, narrow gorge or valley with steep sides, often carved by the flow of water or a landslide
6. The advantages would undoubtedly _____ the disadvantages.
v. to be heavier, more significant, or more critical than something
7. The river was deep enough to be _____ by large cargo ships.
adj. able to be sailed on or through, especially referring to a body of water or a channel; passable or clear of obstruction for travel

ANSWERS: 1. outperformed, 2. penstock, 3. archaeology, 4. displace, 5. ravine, 6. outweigh, 7. navigable

8. The university _____ to campuses several miles away.
v. to move or move something or someone to a new place and build a house or a business there
9. The fan _____ the air in the room quickly.
v. to move continuously or freely around a place or closed system
10. The news of her sudden death was _____ to everyone who knew her.
adj. surprising or shocking; difficult to believe
11. They both _____ for the top spot in the company.
v. to compete or contend for something, usually a prize, position, or advantage; to strive for superiority or mastery in one's field or area of expertise
12. The eagle perched _____ the tallest tree in the forest.
adv. on, to, or at the top
13. The city council meeting was _____ as people argued about a controversial new policy.
adj. marked by strong winds, heavy rain, thunder, and lightning; characterized by tumultuous or rough emotions, particularly in a relationship or situation
14. The _____ between the two teams was intense and heated.
n. competition or opposition between people or groups, especially in sports or business
15. One _____ of success is having a positive attitude and a strong work ethic.
n. a factor, circumstance, or condition that contributes to the shaping, influencing, or determining of a particular outcome or result

ANSWERS: 8. relocated, 9. circulates, 10. astonishing, 11. vied, 12. atop, 13. stormy, 14. rivalry, 15. determinant

16. Years of river erosion have formed the uniquely shaped _____ basin.

n. a point in a river or stream where water falls from a high place, for example, over a cliff or rock

17. The company decided to invest in a _____ industry.

adj. successful financially or materially; bringing success or good fortune

18. 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

19. The town decided to convert its power source to _____ energy.

adj. relating to the generation of electricity from water power, usually by using turbines or generators powered by falling or flowing water; utilizing the energy of water to generate electricity

ANSWERS: 16. waterfall, 17. prosperous, 18. electrify, 19. hydroelectric