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Vocabulary Builder Reference from...

Daan Roosegaarde: A smog vacuum cleaner and other magical city designs | TED Talk

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

Advanced Words Only

IMPORTANT

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Session 1: Word List

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.

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.

sheikh

n. a title given to the leader or ruler of an Arab tribe, village, or Islamic community, commonly used in the Arabian Peninsula and some other parts of the Middle East

synonym: emir, ruler, leader

(1) **sheikh** authority, (2) oil **sheikh**

The Arab **sheikh** welcomed the dignitaries to his palace for a grand feast.

empathy

n. the ability to share another person's feelings or experiences by imagining that person's situation

synonym : compassion, sympathy, tenderness

(1) full of **empathy**, (2) **empathy** for patients

Empathy is also necessary to understand history.

jellyfish

n. a marine creature with a soft, jelly-like body and tentacles for stinging

synonym : medusa, sea nettle, moon jelly

(1) spineless **jellyfish**, (2) **jellyfish** sting

The beach was filled with hundreds of **jellyfish**, so swimming was not recommended.

firefly

n. a flying nocturnal insect common in warm regions with a tail that shines in the dark

(1) the glow of a **firefly**, (2) sparkle like **firefly**

In that country, there is a culture of eating live **firefly** squid.

envision

v. to imagine or expect what a situation will be like in the future

synonym : anticipate, foresee, picture

(1) **envision** the future, (2) **envision** the project's success

We cannot **envision** her as President.

smog

n. a type of air pollution that forms a mixture of smoke and fog resulting from the combustion of fossil fuels, industrial activity, and motor vehicle emissions in urban areas

synonym : smog, haze, pollution

(1) **smog** alert, (2) toxic **smog**

The heavy **smog** in the city was causing health issues for the residents.

polluted

adj. contaminated with harmful or poisonous substances

synonym : contaminated, poisoned, unclean

(1) **polluted** air, (2) cadmium- **polluted** area

The river was **polluted** with chemicals, causing harm to the

wildlife.

nanoscale

adj. on a scale that can be measured in nanometres (= one billionth of a meter); on a very small scale

(1) **nanoscale** device, (2) things at the **nanoscale**

This process improves the strength of the metal by controlling the **nanoscale** lattice structure of the metal.

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.

spaceship

n. (especially in science fiction) a spacecraft designed to carry a crew into interstellar space

synonym: starship, rocket, spacecraft

(1) a **spaceship** to survey the moon, (2) alien **spaceship**

They launched a crewless **spaceship** into space.

disgust

n. a strong feeling of dislike or disapproval

synonym: nauseate, hate, dislike

(1) public **disgust**, (2) show **disgust** at his actions

He was filled with **disgust** and fear for the threat of war.

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.

mesmerize

v. to captivate or fascinate; to hold the complete attention of

synonym : captivate, trance, enchant

(1) **mesmerize** a subject, (2) **mesmerize** with magic

The magician's performance **mesmerized** the audience.

annoy

v. to make someone angry, anxious, or irritating slightly

synonym : aggravate, irritate, unsettle

(1) **annoy** at the time, (2) **annoy** everyone else

Her constant chatter was starting to **annoy** the neighbors.

marshal

n. a military officer of high rank or a person in charge of organizing or leading a parade or public event; a law enforcement official or officer responsible for maintaining order and enforcing regulations; (verb) to organize, arrange, or gather together resources, information, or people in a deliberate and systematic manner

synonym : marshal, commander, organizer

(1) **marshal** the books into their proper places, (2) deputy **marshal**

The event organizer appointed a professional **marshal** to manage the flow of traffic.

Session 2: Spelling

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|------------------------|--|
| 1. ind_____us student | <i>adj.</i> hardworking, diligent, and persistent in effort |
| 2. oil sh___h | <i>n.</i> a title given to the leader or ruler of an Arab tribe, village, or Islamic community, commonly used in the Arabian Peninsula and some other parts of the Middle East |
| 3. je_____sh sting | <i>n.</i> a marine creature with a soft, jelly-like body and tentacles for stinging |
| 4. full of em_____y | <i>n.</i> the ability to share another person's feelings or experiences by imagining that person's situation |
| 5. e__t air pollution | <i>v.</i> to give off or send out something such as light, heat, sound, gas, etc. |
| 6. co_____ss gas | <i>v.</i> to press or squeeze together to make something take up less space |
| 7. an__y everyone else | <i>v.</i> to make someone angry, anxious, or irritating slightly |
| 8. alien sp_____ip | <i>n.</i> (especially in science fiction) a spacecraft designed to carry a crew into interstellar space |
| 9. s__g alert | <i>n.</i> a type of air pollution that forms a mixture of smoke and fog resulting from the combustion of fossil fuels, industrial activity, and motor vehicle emissions in urban areas |

ANSWERS: 1. industrious, 2. sheikh, 3. jellyfish, 4. empathy, 5. emit, 6. compress, 7. annoy, 8. spaceship, 9. smog

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|------------------------------------|---|
| 10. sh___h authority | <i>n.</i> a title given to the leader or ruler of an Arab tribe, village, or Islamic community, commonly used in the Arabian Peninsula and some other parts of the Middle East |
| 11. public di_____t | <i>n.</i> a strong feeling of dislike or disapproval |
| 12. show di_____t at his actions | <i>n.</i> a strong feeling of dislike or disapproval |
| 13. e__t a gamma ray | <i>v.</i> to give off or send out something such as light, heat, sound, gas, etc. |
| 14. deputy ma_____l | <i>n.</i> a military officer of high rank or a person in charge of organizing or leading a parade or public event; a law enforcement official or officer responsible for maintaining order and enforcing regulations; (verb) to organize, arrange, or gather together resources, information, or people in a deliberate and systematic manner |
| 15. el_____fy the audience | <i>v.</i> to make a machine or system work by using electricity; to make someone extremely enthusiastic about or interested in something |
| 16. cadmium-po_____ed area | <i>adj.</i> contaminated with harmful or poisonous substances |
| 17. me_____ze with magic | <i>v.</i> to captivate or fascinate; to hold the complete attention of |
| 18. me_____ze a subject | <i>v.</i> to captivate or fascinate; to hold the complete attention of |
| 19. a sp_____ip to survey the moon | <i>n.</i> (especially in science fiction) a spacecraft designed to carry a crew into interstellar space |

ANSWERS: 10. sheikh, 11. disgust, 12. disgust, 13. emit, 14. marshal, 15. electrify, 16. polluted, 17. mesmerize, 18. mesmerize, 19. spaceship

20. an__y at the time *v.* to make someone angry, anxious, or irritating slightly
21. spineless je_____sh *n.* a marine creature with a soft, jelly-like body and tentacles for stinging
22. sparkle like fi_____y *n.* a flying nocturnal insect common in warm regions with a tail that shines in the dark
23. po_____ed air *adj.* contaminated with harmful or poisonous substances
24. en_____on the project's success *v.* to imagine or expect what a situation will be like in the future
25. toxic s__g *n.* a type of air pollution that forms a mixture of smoke and fog resulting from the combustion of fossil fuels, industrial activity, and motor vehicle emissions in urban areas
26. 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
27. things at the na_____le *adj.* on a scale that can be measured in nanometres (= one billionth of a meter); on a very small scale
28. na_____le device *adj.* on a scale that can be measured in nanometres (= one billionth of a meter); on a very small scale
29. the glow of a fi_____y *n.* a flying nocturnal insect common in warm regions with a tail that shines in the dark

ANSWERS: 20. annoy, 21. jellyfish, 22. firefly, 23. polluted, 24. envision, 25. smog, 26. electrify, 27. nanoscale, 28. nanoscale, 29. firefly

30. ind_____us worker *adj.* hardworking, diligent, and persistent in effort
31. co_____ss the chest *v.* to press or squeeze together to make something take up less space
32. em_____y for patients *n.* the ability to share another person's feelings or experiences by imagining that person's situation
33. ma_____l the books into their proper places *n.* a military officer of high rank or a person in charge of organizing or leading a parade or public event; a law enforcement official or officer responsible for maintaining order and enforcing regulations; (verb) to organize, arrange, or gather together resources, information, or people in a deliberate and systematic manner
34. en_____on the future *v.* to imagine or expect what a situation will be like in the future

ANSWERS: 30. industrious, 31. compress, 32. empathy, 33. marshal, 34. envision

Session 3: Fill in the Blanks

1. _____ is also necessary to understand history.
 - n.* the ability to share another person's feelings or experiences by imagining that person's situation

2. During the unloading, the container box _____ a clicking sound.
 - v.* to give off or send out something such as light, heat, sound, gas, etc.

3. He was filled with _____ and fear for the threat of war.
 - n.* a strong feeling of dislike or disapproval

4. They launched a crewless _____ into space.
 - n.* (especially in science fiction) a spacecraft designed to carry a crew into interstellar space

5. The event organizer appointed a professional _____ to manage the flow of traffic.
 - n.* a military officer of high rank or a person in charge of organizing or leading a parade or public event; a law enforcement official or officer responsible for maintaining order and enforcing regulations; (verb) to organize, arrange, or gather together resources, information, or people in a deliberate and systematic manner

6. The magician's performance _____ the audience.
 - v.* to captivate or fascinate; to hold the complete attention of

7. The beach was filled with hundreds of _____ so swimming was not recommended.
 - n.* a marine creature with a soft, jelly-like body and tentacles for stinging

ANSWERS: 1. Empathy, 2. emits, 3. disgust, 4. spaceship, 5. marshal, 6. mesmerized, 7. jellyfish,

8. This process improves the strength of the metal by controlling the _____ lattice structure of the metal.
adj. on a scale that can be measured in nanometres (= one billionth of a meter); on a very small scale
9. 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
10. Her constant chatter was starting to _____ the neighbors.
v. to make someone angry, anxious, or irritating slightly
11. We cannot _____ her as President.
v. to imagine or expect what a situation will be like in the future
12. The heavy _____ in the city was causing health issues for the residents.
n. a type of air pollution that forms a mixture of smoke and fog resulting from the combustion of fossil fuels, industrial activity, and motor vehicle emissions in urban areas
13. The Arab _____ welcomed the dignitaries to his palace for a grand feast.
n. a title given to the leader or ruler of an Arab tribe, village, or Islamic community, commonly used in the Arabian Peninsula and some other parts of the Middle East
14. He was known to be very _____ and would often work late into the night.
adj. hardworking, diligent, and persistent in effort
15. In that country, there is a culture of eating live _____ squid.
n. a flying nocturnal insect common in warm regions with a tail that shines in the dark

ANSWERS: 8. nanoscale, 9. electrify, 10. annoy, 11. envision, 12. smog, 13. sheikh, 14. industrious, 15. firefly

16. The river was _____ with chemicals, causing harm to the wildlife.

adj. contaminated with harmful or poisonous substances

17. 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. polluted, 17. compressed