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Vocabulary Builder Reference from...

Brent Loken: Can we create the "perfect" farm? | TED Talk

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

Advanced Words Only

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Session 1: Word List

farmland

n. land used for farming or agricultural purposes

synonym : agriculture, cropland

(1) **farmland** acreage, (2) fertile **farmland**

The government is encouraging farmers to expand their **farmland** to increase food production.

destabilize

v. to cause something to become less stable or secure

synonym : unsettle, disrupt, upset

(1) **destabilize** the market, (2) **destabilize** a good relationship

The political crisis **destabilized** the country and caused widespread turmoil.

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.

drone

n. a low continuous humming noise; someone who takes more time than necessary; a pilot-less aerial vehicle that is operated by remote control

synonym : hum, whirr, idler

(1) **drone** flight, (2) the speaker's **drone**

He heard a **drone** of sirens roar from the neighboring town.

haphazard

adj. marked by a lack of order, system, or coherence; characterized by randomness or chance without any guiding principle or plan

synonym : random, careless, arbitrary

(1) **haphazard** approach, (2) **haphazard** design

The company's hiring process was **haphazard**, with no objective criteria or standards.

intertwine

v. to twist together or become twisted together

synonym : interweave, interlace, entwine

(1) **intertwine** thread, (2) **intertwine** story

The vines **intertwine** to form a thick canopy overhead.

swath

n. a strip of land, especially a long, narrow one; a large amount or quantity of something

synonym : strip, band, fodder

(1) a large **swath** of territory, (2) a **swath** of green grass

The charity organization has helped to provide education to a vast **swath** of the population.

eradicate

v. to get rid of or destroy something completely, especially something bad

synonym : destroy, eliminate, exterminate

(1) **eradicate** the deficit, (2) **eradicate** racial discrimination

We are trying to **eradicate** this disease from the world.

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.

nuance

n. a subtle or slight degree of difference in appearance, meaning, sound, someone's feeling, etc.

synonym: shading, refinement, subtlety

(1) rich in **nuance**, (2) subtle cultural **nuance**

The painter has tried to express every **nuance** of the woman's expression in his work.

pollination

n. the transfer of pollen from the male reproductive organs of one flower to the female reproductive organs of another flower, resulting in fertilization and the production of seeds

synonym: flowering, fertilization, cross-fertilization

(1) **pollination** by insect, (2) the cross- **pollination** of the arts

The **pollination** process is crucial for the growth and reproduction of many plants.

rancher

n. a person who owns, manages, or works on a ranch, especially one that is used for raising or grazing livestock

synonym: cowboy, farmer, herder

(1) **rancher's** wife, (2) traditional **rancher**

The local grocery store carried meat sourced from the **rancher's** farm.

grassland

n. a large area of land covered mainly by grass, with few or no trees, and typically used for grazing livestock

synonym: meadow, plain, savanna

(1) endangered **grassland**, (2) vast **grassland**

Meadows and pastures are examples of smaller-scale **grasslands** in many parts of the world.

staple

adj. essential, crucial, or regularly used

synonym: essential, fundamental, pivotal

(1) **staple** commodities, (2) **staple** crop
Rice and beans are a **staple** food in many cultures.

livelihood

n. a means of earning money people need to pay for food, a place to live, clothing, etc.

synonym: occupation, living, income

(1) a means of **livelihood**, (2) **livelihood** assistance

I could no longer earn my own **livelihood**.

paddy

n. a flooded field where rice is grown, also known as a rice paddy; rice that is still in its husk, harvested from marshy fields called paddies, usually in Asia

synonym: rice field, wetland

(1) **paddy** farming, (2) **paddy** production

The sight of the **paddy** fields swaying in the wind was breathtaking.

methane

n. a chemical compound with the chemical formula CH₄ with no smell or color, often used as a fuel

(1) atmospheric **methane**, (2) reduce **methane** emissions

The ignition of **methane** gas in the plant killed five employees.

irrigate

v. to supply water to land to help plants grow

synonym: water, drench, soak

(1) **irrigate** fields, (2) **irrigate** the flowers and plants

The water shortage in the region has made it difficult for farmers to **irrigate** their crops.

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.

resilient

adj. able to withstand or recover quickly from difficult conditions

synonym: robust, sturdy, tough

(1) a hard and **resilient** steel, (2) **resilient** population

She is a **resilient** person and has always bounced back from setbacks.

revolutionize

v. to bring about a complete or radical change in something, often through the introduction of new methods or ideas

synonym: transform, innovate, modernize

(1) **revolutionize** the industry, (2) **revolutionize** the technology

The invention of the smartphone **revolutionized** the way we communicate with each other.

amplify

v. to enhance something, particularly sound or brightness

synonym: intensify, boost, argument

(1) **amplify** a signal, (2) **amplify** the effect

You might need to **amplify** this point.

Session 2: Spelling

1. dr__e flight
n. a low continuous humming noise; someone who takes more time than necessary; a pilot-less aerial vehicle that is operated by remote control
2. re_____nt population
adj. able to withstand or recover quickly from difficult conditions
3. liv_____od assistance
n. a means of earning money people need to pay for food, a place to live, clothing, etc.
4. a hard and re_____nt steel
adj. able to withstand or recover quickly from difficult conditions
5. am_____y a signal
v. to enhance something, particularly sound or brightness
6. atmospheric me_____e
n. a chemical compound with the chemical formula CH₄ with no smell or color, often used as a fuel
7. traditional ra_____r
n. a person who owns, manages, or works on a ranch, especially one that is used for raising or grazing livestock
8. am_____y the effect
v. to enhance something, particularly sound or brightness
9. int_____ne story
v. to twist together or become twisted together
10. co_____ve coal resources
v. to protect something, especially the natural environment or culture, from change, damage, or destruction

ANSWERS: 1. drone, 2. resilient, 3. livelihood, 4. resilient, 5. amplify, 6. methane, 7. rancher, 8. amplify, 9. intertwine, 10. conserve

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|--------------------------------------|--|
| 11. a large sw__h of territory | <i>n.</i> a strip of land, especially a long, narrow one; a large amount or quantity of something |
| 12. e__t a gamma ray | <i>v.</i> to give off or send out something such as light, heat, sound, gas, etc. |
| 13. a means of liv_____od | <i>n.</i> a means of earning money people need to pay for food, a place to live, clothing, etc. |
| 14. def_____ion of the tropics | <i>n.</i> the act of cutting down or burning trees in a large area |
| 15. rev_____ize the technology | <i>v.</i> to bring about a complete or radical change in something, often through the introduction of new methods or ideas |
| 16. the cross-pol_____on of the arts | <i>n.</i> the transfer of pollen from the male reproductive organs of one flower to the female reproductive organs of another flower, resulting in fertilization and the production of seeds |
| 17. the lowest def_____ion rate | <i>n.</i> the act of cutting down or burning trees in a large area |
| 18. means to co_____ve energy | <i>v.</i> to protect something, especially the natural environment or culture, from change, damage, or destruction |
| 19. e__t air pollution | <i>v.</i> to give off or send out something such as light, heat, sound, gas, etc. |
| 20. fa_____nd acreage | <i>n.</i> land used for farming or agricultural purposes |
| 21. des_____ze a good relationship | <i>v.</i> to cause something to become less stable or secure |

ANSWERS: 11. swath, 12. emit, 13. livelihood, 14. deforestation, 15. revolutionize, 16. pollination, 17. deforestation, 18. conserve, 19. emit, 20. farmland, 21. destabilize

22. rev_____ize the industry *v.* to bring about a complete or radical change in something, often through the introduction of new methods or ideas
23. a sw__h of green grass *n.* a strip of land, especially a long, narrow one; a large amount or quantity of something
24. er_____te racial discrimination *v.* to get rid of or destroy something completely, especially something bad
25. the speaker's dr__e *n.* a low continuous humming noise; someone who takes more time than necessary; a pilot-less aerial vehicle that is operated by remote control
26. rich in nu___e *n.* a subtle or slight degree of difference in appearance, meaning, sound, someone's feeling, etc.
27. reduce me_____e emissions *n.* a chemical compound with the chemical formula CH₄ with no smell or color, often used as a fuel
28. ha_____rd approach *adj.* marked by a lack of order, system, or coherence; characterized by randomness or chance without any guiding principle or plan
29. des_____ze the market *v.* to cause something to become less stable or secure
30. vast gr_____nd *n.* a large area of land covered mainly by grass, with few or no trees, and typically used for grazing livestock
31. ir_____te fields *v.* to supply water to land to help plants grow

ANSWERS: 22. revolutionize, 23. swath, 24. eradicate, 25. drone, 26. nuance, 27. methane, 28. haphazard, 29. destabilize, 30. grassland, 31. irrigate

32. ra____r's wife *n.* a person who owns, manages, or works on a ranch, especially one that is used for raising or grazing livestock
33. ha_____rd design *adj.* marked by a lack of order, system, or coherence; characterized by randomness or chance without any guiding principle or plan
34. st___e crop *adj.* essential, crucial, or regularly used
35. int_____ne thread *v.* to twist together or become twisted together
36. endangered gr_____nd *n.* a large area of land covered mainly by grass, with few or no trees, and typically used for grazing livestock
37. pol_____on by insect *n.* the transfer of pollen from the male reproductive organs of one flower to the female reproductive organs of another flower, resulting in fertilization and the production of seeds
38. fertile fa_____nd *n.* land used for farming or agricultural purposes
39. pa__y production *n.* a flooded field where rice is grown, also known as a rice paddy; rice that is still in its husk, harvested from marshy fields called paddies, usually in Asia
40. er_____te the deficit *v.* to get rid of or destroy something completely, especially something bad
41. st___e commodities *adj.* essential, crucial, or regularly used
42. ir_____te the flowers and plants *v.* to supply water to land to help plants grow

ANSWERS: 32. rancher, 33. haphazard, 34. staple, 35. intertwine, 36. grassland, 37. pollination, 38. farmland, 39. paddy, 40. eradicate, 41. staple, 42. irrigate

43. pa__y farming
- n.* a flooded field where rice is grown, also known as a rice paddy; rice that is still in its husk, harvested from marshy fields called paddies, usually in Asia
44. subtle cultural nu___e
- n.* a subtle or slight degree of difference in appearance, meaning, sound, someone's feeling, etc.

ANSWERS: 43. paddy, 44. nuance

Session 3: Fill in the Blanks

1. Children must be taught to _____ our natural environment.
 - v. to protect something, especially the natural environment or culture, from change, damage, or destruction

2. The vines _____ to form a thick canopy overhead.
 - v. to twist together or become twisted together

3. The local grocery store carried meat sourced from the _____ farm.
 - n. a person who owns, manages, or works on a ranch, especially one that is used for raising or grazing livestock

4. Meadows and pastures are examples of smaller-scale _____ in many parts of the world.
 - n. a large area of land covered mainly by grass, with few or no trees, and typically used for grazing livestock

5. The government is encouraging farmers to expand their _____ to increase food production.
 - n. land used for farming or agricultural purposes

6. You might need to _____ this point.
 - v. to enhance something, particularly sound or brightness

7. The political crisis _____ the country and caused widespread turmoil.
 - v. to cause something to become less stable or secure

8. The _____ process is crucial for the growth and reproduction of many plants.
 - n. the transfer of pollen from the male reproductive organs of one flower to the female reproductive organs of another flower, resulting in fertilization and the production of seeds

ANSWERS: 1. conserve, 2. intertwine, 3. rancher's, 4. grasslands, 5. farmland, 6. amplify, 7. destabilized, 8. pollination

9. He heard a _____ of sirens roar from the neighboring town.
n. a low continuous humming noise; someone who takes more time than necessary; a pilot-less aerial vehicle that is operated by remote control
10. We are trying to _____ this disease from the world.
v. to get rid of or destroy something completely, especially something bad
11. During the unloading, the container box _____ a clicking sound.
v. to give off or send out something such as light, heat, sound, gas, etc.
12. Rice and beans are a _____ food in many cultures.
adj. essential, crucial, or regularly used
13. She is a _____ person and has always bounced back from setbacks.
adj. able to withstand or recover quickly from difficult conditions
14. I could no longer earn my own _____.
n. a means of earning money people need to pay for food, a place to live, clothing, etc.
15. 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
16. The water shortage in the region has made it difficult for farmers to _____ their crops.
v. to supply water to land to help plants grow
17. The invention of the smartphone _____ the way we communicate with each other.
v. to bring about a complete or radical change in something, often through the introduction of new methods or ideas

ANSWERS: 9. drone, 10. eradicate, 11. emits, 12. staple, 13. resilient, 14. livelihood, 15. deforestation, 16. irrigate, 17. revolutionized

18. The ignition of _____ gas in the plant killed five employees.
- n.* a chemical compound with the chemical formula CH₄ with no smell or color, often used as a fuel
19. The company's hiring process was _____ with no objective criteria or standards.
- adj.* marked by a lack of order, system, or coherence; characterized by randomness or chance without any guiding principle or plan
20. The sight of the _____ fields swaying in the wind was breathtaking.
- n.* a flooded field where rice is grown, also known as a rice paddy; rice that is still in its husk, harvested from marshy fields called paddies, usually in Asia
21. The painter has tried to express every _____ of the woman's expression in his work.
- n.* a subtle or slight degree of difference in appearance, meaning, sound, someone's feeling, etc.
22. The charity organization has helped to provide education to a vast _____ of the population.
- n.* a strip of land, especially a long, narrow one; a large amount or quantity of something

ANSWERS: 18. methane, 19. haphazard, 20. paddy, 21. nuance, 22. swath