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Vocabulary Builder Reference from...

Bas Sudmeijer: How carbon capture networks could help curb climate change | TED Talk

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

Advanced Words Only

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Session 1: Word List

dweller

n. a person or animal that lives in a particular place or region; an inhabitant of a specific location

synonym : resident, occupant, inhabitant

(1) city **dweller**, (2) rural **dweller**

The mountain **dweller** lived off the land and had a deep connection to nature.

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.

bury

v. to place a dead body in the ground, grave, or tomb

synonym : entomb, sink, forget

(1) **bury** in the earth, (2) **bury** emotion

There is plenty of space to **bury** everyone.

gigaton

n. a unit of explosive energy equal to one billion tons of TNT (= a powerful, yellow explosive substance); one billion tons

(1) **gigaton-class** bomb, (2) half a **gigaton** of CO₂

The earthquake that hit the Pacific Ocean last night is said to have released about 30 **gigatons** of energy.

rollout

n. the introduction or implementation of a new product, service, or system, particularly one that has been planned and developed over a period of time

synonym: launch, release, deployment

(1) **rollout** strategy, (2) software **rollout**

The company announced the **rollout** of its new product line next month.

hefty

adj. large, bulky, and heavy; impressively large, substantial, or powerful; large in amount, extent, or significance

synonym: weighty, substantial, sizeable

(1) **hefty** price, (2) **hefty** breakfast

The **hefty** box of books was too heavy to lift on my own.

policymaker

n. a person in charge of or involved in developing action plans for a political party, business, etc.

synonym: lawmaker, legislator

(1) education **policymaker**, (2) regional **policymaker**

Policymakers struggle to develop various laws and regulations to address international trade conflicts.

smartphone

n. a mobile phone that functions as a computer and connects to the Internet

(1) **smartphone** app developer, (2) **smartphone** addict
Internet traffic volumes have increased significantly with the advent of **smartphones**.

deplete

v. to reduce something, especially supplies of energy, money, etc., by a large amount; to use up resources or materials

synonym: exhaust, consume, use up

(1) **deplete** customer confidence, (2) **deplete** glycogen

stores

If we continue to **deplete** the Earth's natural resources, we will cause severe damage to the environment.

saline

adj. containing salt; of or relating to chemical salts

synonym: salty, briny, brackish

(1) a **saline** lake, (2) irrigation with **saline**

The drug is dissolved in a **saline** solution.

aquifer

n. an underground layer of rock, sand, or Earth that can take in and hold water

(1) **aquifer** soil, (2) subsurface **aquifer**

Some areas melt snow by harnessing heat from underground **aquifers**.

secondly

adv. used to introduce the second point or item in a list or series of statements, considerations, etc.

synonym: in the second place, next, subsequently

(1) **secondly** connected, (2) **secondly**, it is important

Firstly, we will discuss the budget; **secondly**, we will go over the schedule.

flue

n. a pipe or tube used to remove smoke, gas, or hot air from a fire, heater, or oven

synonym: chimney, duct, vent

(1) **flue** boiler, (2) chimney **flue**

The smoke filled the room because the **flue** pipe had jammed.

megaton

n. a unit of energy equivalent to one million tons of TNT

(1) **megaton** explosion, (2) **megaton** weapon

The power of a **megaton** bomb is equivalent to one million tons of TNT.

onshore

adj. located or happening on or near the shore or coastline; relating to activities or operations that take place on land

as opposed to at sea

synonym: coastal, domestic, seaward

(1) **onshore** drilling, (2) **onshore** wind farm

The shipping company decided to switch to **onshore** storage to reduce costs.

repurpose

v. to use something again for a different purpose than it was originally intended

synonym: reutilize, recycle, reuse

(1) **repurpose** an old building, (2) **repurpose** a used car

The old barn was **repurposed** into a modern event space.

standalone

adj. (of computer hardware or software) able to operate the system without being connected to other hardware or software; (also stand-alone) capable of working independently

(1) **standalone** application, (2) **standalone** approach

We never prescribe medication as a **standalone** treatment.

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.

tally

n. a record or count of a particular thing often used to keep track of scores, votes, or numbers

synonym: count, record, score

(1) keep a **tally**, (2) **tally** sheet

Let's keep a **tally** of the votes to see who won the election.

buildup

n. the accumulation or increase of something over time

synonym: accumulation, increase, growth

(1) lactic acid **buildup**, (2) huge military **buildup**

The **buildup** of stress over time can lead to health problems.

Session 2: Spelling

1. on____e wind farm
adj. located or happening on or near the shore or coastline; relating to activities or operations that take place on land as opposed to at sea
2. aq____r soil
n. an underground layer of rock, sand, or Earth that can take in and hold water
3. a sa____e lake
adj. containing salt; of or relating to chemical salts
4. b__y in the earth
v. to place a dead body in the ground, grave, or tomb
5. keep a ta__y
n. a record or count of a particular thing often used to keep track of scores, votes, or numbers
6. software ro____t
n. the introduction or implementation of a new product, service, or system, particularly one that has been planned and developed over a period of time
7. 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
8. gi____n-class bomb
n. a unit of explosive energy equal to one billion tons of TNT (= a powerful, yellow explosive substance); one billion tons
9. f__e boiler
n. a pipe or tube used to remove smoke, gas, or hot air from a fire, heater, or oven

ANSWERS: 1. onshore, 2. aquifer, 3. saline, 4. bury, 5. tally, 6. rollout, 7. electrify, 8. gigaton, 9. flue

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|---------------------------------------|--|
| 10. huge military bu_____p | <i>n.</i> the accumulation or increase of something over time |
| 11. irrigation with sa_____e | <i>adj.</i> containing salt; of or relating to chemical salts |
| 12. city dw_____r | <i>n.</i> a person or animal that lives in a particular place or region; an inhabitant of a specific location |
| 13. half a gi_____n of CO2 | <i>n.</i> a unit of explosive energy equal to one billion tons of TNT (= a powerful, yellow explosive substance); one billion tons |
| 14. ta__y sheet | <i>n.</i> a record or count of a particular thing often used to keep track of scores, votes, or numbers |
| 15. he__y breakfast | <i>adj.</i> large, bulky, and heavy; impressively large, substantial, or powerful; large in amount, extent, or significance |
| 16. subsurface aq_____r | <i>n.</i> an underground layer of rock, sand, or Earth that can take in and hold water |
| 17. sma_____ne addict | <i>n.</i> a mobile phone that functions as a computer and connects to the Internet |
| 18. chimney f__e | <i>n.</i> a pipe or tube used to remove smoke, gas, or hot air from a fire, heater, or oven |
| 19. el_____fy a manufacturing process | <i>v.</i> to make a machine or system work by using electricity; to make someone extremely enthusiastic about or interested in something |
| 20. e__t air pollution | <i>v.</i> to give off or send out something such as light, heat, sound, gas, etc. |

ANSWERS: 10. buildup, 11. saline, 12. dweller, 13. gigaton, 14. tally, 15. hefty, 16. aquifer, 17. smartphone, 18. flue, 19. electrify, 20. emit

21. se____ly, it is important *adv.* used to introduce the second point or item in a list or series of statements, considerations, etc.
22. sta_____ne application *adj.* (of computer hardware or software) able to operate the system without being connected to other hardware or software; (also stand-alone) capable of working independently
23. me_____n explosion *n.* a unit of energy equivalent to one million tons of TNT
24. lactic acid bu_____p *n.* the accumulation or increase of something over time
25. he__y price *adj.* large, bulky, and heavy; impressively large, substantial, or powerful; large in amount, extent, or significance
26. ro_____t strategy *n.* the introduction or implementation of a new product, service, or system, particularly one that has been planned and developed over a period of time
27. e__t a gamma ray *v.* to give off or send out something such as light, heat, sound, gas, etc.
28. education pol_____er *n.* a person in charge of or involved in developing action plans for a political party, business, etc.
29. on_____e drilling *adj.* located or happening on or near the shore or coastline; relating to activities or operations that take place on land as opposed to at sea
30. de_____e glycogen stores *v.* to reduce something, especially supplies of energy, money, etc., by a large amount; to use up resources or materials

ANSWERS: 21. secondly, 22. standalone, 23. megaton, 24. buildup, 25. hefty, 26. rollout, 27. emit, 28. policymaker, 29. onshore, 30. deplete

31. sma_____ne app developer *n.* a mobile phone that functions as a computer and connects to the Internet
32. regional pol_____er *n.* a person in charge of or involved in developing action plans for a political party, business, etc.
33. re_____se an old building *v.* to use something again for a different purpose than it was originally intended
34. de_____e customer confidence *v.* to reduce something, especially supplies of energy, money, etc., by a large amount; to use up resources or materials
35. rural dw_____r *n.* a person or animal that lives in a particular place or region; an inhabitant of a specific location
36. se_____ly connected *adv.* used to introduce the second point or item in a list or series of statements, considerations, etc.
37. re_____se a used car *v.* to use something again for a different purpose than it was originally intended
38. sta_____ne approach *adj.* (of computer hardware or software) able to operate the system without being connected to other hardware or software; (also stand-alone) capable of working independently
39. b__y emotion *v.* to place a dead body in the ground, grave, or tomb
40. me_____n weapon *n.* a unit of energy equivalent to one million tons of TNT

ANSWERS: 31. smartphone, 32. policymaker, 33. repurpose, 34. deplete, 35. dweller, 36. secondly, 37. repurpose, 38. standalone, 39. bury, 40. megaton

Session 3: Fill in the Blanks

1. The company announced the _____ of its new product line next month.
n. the introduction or implementation of a new product, service, or system, particularly one that has been planned and developed over a period of time
2. The _____ box of books was too heavy to lift on my own.
adj. large, bulky, and heavy; impressively large, substantial, or powerful; large in amount, extent, or significance
3. The drug is dissolved in a _____ solution.
adj. containing salt; of or relating to chemical salts
4. The mountain _____ lived off the land and had a deep connection to nature.
n. a person or animal that lives in a particular place or region; an inhabitant of a specific location
5. 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
6. The shipping company decided to switch to _____ storage to reduce costs.
adj. located or happening on or near the shore or coastline; relating to activities or operations that take place on land as opposed to at sea
7. The _____ of stress over time can lead to health problems.
n. the accumulation or increase of something over time

ANSWERS: 1. rollout, 2. hefty, 3. saline, 4. dweller, 5. electrify, 6. onshore, 7. buildup

8. Some areas melt snow by harnessing heat from underground _____.
- n.* an underground layer of rock, sand, or Earth that can take in and hold water
9. During the unloading, the container box _____ a clicking sound.
- v.* to give off or send out something such as light, heat, sound, gas, etc.
10. We never prescribe medication as a _____ treatment.
- adj.* (of computer hardware or software) able to operate the system without being connected to other hardware or software; (also stand-alone) capable of working independently
11. _____ struggle to develop various laws and regulations to address international trade conflicts.
- n.* a person in charge of or involved in developing action plans for a political party, business, etc.
12. The smoke filled the room because the _____ pipe had jammed.
- n.* a pipe or tube used to remove smoke, gas, or hot air from a fire, heater, or oven
13. The power of a _____ bomb is equivalent to one million tons of TNT.
- n.* a unit of energy equivalent to one million tons of TNT
14. Let's keep a _____ of the votes to see who won the election.
- n.* a record or count of a particular thing often used to keep track of scores, votes, or numbers
15. If we continue to _____ the Earth's natural resources, we will cause severe damage to the environment.
- v.* to reduce something, especially supplies of energy, money, etc., by a large amount; to use up resources or materials

ANSWERS: 8. aquifers, 9. emits, 10. standalone, 11. Policymakers, 12. flue, 13. megaton, 14. tally, 15. deplete

16. Internet traffic volumes have increased significantly with the advent of _____.
- n.* a mobile phone that functions as a computer and connects to the Internet
17. The old barn was _____ into a modern event space.
- v.* to use something again for a different purpose than it was originally intended
18. There is plenty of space to _____ everyone.
- v.* to place a dead body in the ground, grave, or tomb
19. The earthquake that hit the Pacific Ocean last night is said to have released about 30 _____ of energy.
- n.* a unit of explosive energy equal to one billion tons of TNT (= a powerful, yellow explosive substance); one billion tons
20. Firstly, we will discuss the budget; _____ we will go over the schedule.
- adv.* used to introduce the second point or item in a list or series of statements, considerations, etc.

ANSWERS: 16. smartphones, 17. repurposed, 18. bury, 19. gigatons, 20. secondly,