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Vocabulary Builder Reference from...

Kelly Wanser: Emergency medicine for our climate fever | TED Talk

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

Advanced Words Only

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Session 1: Word List

unintentional

adj. not done or made on purpose; accidental

synonym : accidental, unforeseen, spontaneous

(1) avoid **unintentional** harm, (2) **unintentional** insult

The mistake was **unintentional** and made in good faith.

scrub

v. to clean something thoroughly, typically with a brush and soap or detergent

synonym : clean, wash, sanitize

(1) **scrub** off graffiti, (2) **scrub** dirt from potatoes

She decided to **scrub** the kitchen floor to remove all the dirt and grime.

particulate

adj. consisting of small particles, especially those that are suspended in a fluid or air

synonym : granular, dusty

(1) **particulate** size, (2) **particulate** pollution

Smoke from forest fires is causing an increase in **particulate** matter in the air.

aerosol

n. a substance enclosed under pressure and released as a fine spray, typically one used for medical purposes or cosmetic application

synonym : spray, mist, fog

(1) **aerosol** container, (2) **aerosol** can

She waited a few seconds after spraying the **aerosol** insecticide before entering the room.

disperse

v. to spread out or distribute over a broad region, or to cause something to do so

synonym: dissipate, spread, scatter

(1) **disperse** false information, (2) **disperse** the protesters

Before authorities **dispersed** the protesters, they yelled slogans.

medicinal

adj. of or relating to the treatment or cure of disease

synonym: curative, therapeutic, healing

(1) **medicinal** chemistry, (2) traditional **medicinal**

The **medicinal** properties of this herb have been known to help with various ailments.

arctic

adj. of or relating to the region around the North Pole or the Arctic Ocean; very cold

synonym: cold, frozen, polar

(1) **arctic** ice, (2) high **arctic**

Cold temperatures and long, dark winters characterize the **arctic** climate.

countermeasure

n. an action taken to counter or offset another action

synonym: response, remedy, antidote

(1) **countermeasure** strategy, (2) **countermeasure** plan

The government implemented several **countermeasures** to combat the spread of the virus.

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.

seawater

n. water from the sea or ocean, typically containing salt and various other dissolved minerals

synonym: saltwater, brine, ocean water

(1) **seawater** pollution, (2) **seawater** bacteria

The desalination plant turned **seawater** into drinking water through a complex process.

gulf

n. a large ocean inlet or deep bay that is partially enclosed by land

synonym: chasm, divide, abyss

(1) **gulf** war, (2) **gulf** stream

The **Gulf** of Mexico is a body of water in the southern United States.

overwhelm

v. to defeat someone or something by using a great deal of force; to have a strong emotional effect on somebody

synonym: conquer, crush, dominate

(1) he was **overwhelmed** with gratitude, (2) **overwhelm** opponents by numbers

Too much variety may **overwhelm** and confuse viewers.

volcano

n. a mountain or hill, typically conical, having a crater or vent through which lava, rock fragments, hot vapor, and gas are or have been erupted from the earth's crust.

synonym: mount, peak, crater

(1) **volcano** alert level, (2) active **volcano**

The island was formed by a **volcano** millions of years ago.

stratosphere

n. the second layer of the Earth's atmosphere, extending from about 7 to 50 kilometers above the Earth's surface, containing the ozone layer

synonym: upper atmosphere, ozone layer

(1) **stratosphere** layer, (2) **stratosphere** ozone

The ozone layer, which protects us from harmful UV radiation, is in the **stratosphere**.

erupt

v. (of a volcano) to become active and eject rocks, smoke, etc.; to start abruptly and violently

synonym: eject, emit, burst

(1) **erupt** in anger, (2) **erupt** into tears

Battles between whites and blacks **erupted** immediately.

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.

trajectory

n. the curved path followed by an object moving through space

synonym: course, curve, orbit

(1) career **trajectory**, (2) a **trajectory** missile

The company has shown an excellent growth **trajectory** over the years.

carbonate

n. a carbonic acid salt or ester that contains the anion CO₃

(1) sodium **carbonate**, (2) alkaline **carbonate**

The explosive chemical reaction does not occur in all sodium **carbonate**.

culminate

v. to reach a peak or climax

synonym: end, finish, conclude

(1) **culminate** in a heart attack, (2) **culminate** in failure

The event will **culminate** in a grand fireworks display.

inhale

v. to breathe in air or a different substance, such as smoke

synonym: breathe in, take in, draw in

(1) **inhale** the smoke, (2) **inhale** the aroma

He **inhaled** deeply, trying to calm down.

nozzle

n. a tube or spout through which a liquid or gas is discharged, particularly one attached to a hose, pump, or spray gun

synonym : spout, sprayer, tube

(1) **nozzle** attachment, (2) fuel **nozzle**

The car wash **nozzle** sprayed a powerful stream of soapy water onto the vehicle.

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.

corrosive

adj. having the ability to corrode or erode a material or substance; causing damage or deterioration over time; harmful or destructive

synonym : destructive, erosive, caustic

(1) **corrosive** substance, (2) **corrosive** effect

The **corrosive** acid ate away at the metal pipes.

saltwater

adj. of or connected with seawater or water containing salt; living in or found in the sea

synonym : marine, naval, maritime

(1) a **saltwater** fish, (2) **saltwater** crocodile

The ecosystem upstream of the river significantly impacts the **saltwater** ecosystem downstream.

grandchild

n. a child of someone's son or daughter

synonym : offspring, descendant, progeny

(1) **grandchild-grandparent** relationship, (2) **grandchild** development

The grandparents take care of their **grandchild** while the parents are at work.

devastation

n. the act of causing great destruction or damage, often on a large scale

synonym : destruction, ruin, havoc

(1) financial **devastation**, (2) **devastation** to life

The economic recession caused **devastation** in the housing market, with many people losing their homes.

posit

v. to suggest or accept something as fact or as a basis for argument or consideration

synonym : assert, declare, assume

(1) **posit** the existence of life after death, (2) **posit** the premise

We should **posit** several hypotheses to discuss the matter.

worsen

v. to become or make something worse

synonym : languish, degenerate, degrade

(1) **worsen** a relation, (2) **worsen** the food problem

Unilateral import bans have **worsened** that country's terms of trade.

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.

Session 2: Spelling

1. se____er pollution *n.* water from the sea or ocean, typically containing salt and various other dissolved minerals
2. po__t the existence of life after death *v.* to suggest or accept something as fact or as a basis for argument or consideration
3. sa_____er crocodile *adj.* of or connected with seawater or water containing salt; living in or found in the sea
4. g__f war *n.* a large ocean inlet or deep bay that is partially enclosed by land
5. ar___c ice *adj.* of or relating to the region around the North Pole or the Arctic Ocean; very cold
6. vo_____o alert level *n.* a mountain or hill, typically conical, having a crater or vent through which lava, rock fragments, hot vapor, and gas are or have been erupted from the earth's crust.
7. er__t in anger *v.* (of a volcano) to become active and eject rocks, smoke, etc.; to start abruptly and violently
8. co_____ve effect *adj.* having the ability to corrode or erode a material or substance; causing damage or deterioration over time; harmful or destructive
9. career tra_____ry *n.* the curved path followed by an object moving through space

ANSWERS: 1. seawater, 2. posit, 3. saltwater, 4. gulf, 5. arctic, 6. volcano, 7. erupt, 8. corrosive, 9. trajectory

10. regional pol_____er *n.* a person in charge of or involved in developing action plans for a political party, business, etc.
11. po__t the premise *v.* to suggest or accept something as fact or as a basis for argument or consideration
12. avoid uni_____nal harm *adj.* not done or made on purpose; accidental
13. ov_____lm opponents by numbers *v.* to defeat someone or something by using a great deal of force; to have a strong emotional effect on somebody
14. wo___n the food problem *v.* to become or make something worse
15. ae_____l container *n.* a substance enclosed under pressure and released as a fine spray, typically one used for medical purposes or cosmetic application
16. fuel no___e *n.* a tube or spout through which a liquid or gas is discharged, particularly one attached to a hose, pump, or spray gun
17. 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
18. par_____te size *adj.* consisting of small particles, especially those that are suspended in a fluid or air
19. cu_____te in a heart attack *v.* to reach a peak or climax
20. no___e attachment *n.* a tube or spout through which a liquid or gas is discharged, particularly one attached to a hose, pump, or spray gun

ANSWERS: 10. policymaker, 11. posit, 12. unintentional, 13. overwhelm, 14. worsen, 15. aerosol, 16. nozzle, 17. nanoscale, 18. particulate, 19. culminate, 20. nozzle

21. he was ov_____lmed with gratitude *v.* to defeat someone or something by using a great deal of force; to have a strong emotional effect on somebody
22. se_____er bacteria *n.* water from the sea or ocean, typically containing salt and various other dissolved minerals
23. financial dev_____on *n.* the act of causing great destruction or damage, often on a large scale
24. sc__b off graffiti *v.* to clean something thoroughly, typically with a brush and soap or detergent
25. ind_____us worker *adj.* hardworking, diligent, and persistent in effort
26. str_____ere ozone *n.* the second layer of the Earth's atmosphere, extending from about 7 to 50 kilometers above the Earth's surface, containing the ozone layer
27. traditional me_____al *adj.* of or relating to the treatment or cure of disease
28. ind_____us student *adj.* hardworking, diligent, and persistent in effort
29. dev_____on to life *n.* the act of causing great destruction or damage, often on a large scale
30. ae_____l can *n.* a substance enclosed under pressure and released as a fine spray, typically one used for medical purposes or cosmetic application
31. wo___n a relation *v.* to become or make something worse
32. in___e the smoke *v.* to breathe in air or a different substance, such as smoke

ANSWERS: 21. overwhelm, 22. seawater, 23. devastation, 24. scrub, 25. industrious, 26. stratosphere, 27. medicinal, 28. industrious, 29. devastation, 30. aerosol, 31. worsen, 32. inhale

33. g__f stream *n.* a large ocean inlet or deep bay that is partially enclosed by land
34. sodium ca_____te *n.* a carbonic acid salt or ester that contains the anion CO₃
35. active vo_____o *n.* a mountain or hill, typically conical, having a crater or vent through which lava, rock fragments, hot vapor, and gas are or have been erupted from the earth's crust.
36. gra_____ld development *n.* a child of someone's son or daughter
37. gra_____ld-grandparent relationship *n.* a child of someone's son or daughter
38. cou_____ure plan *n.* an action taken to counter or offset another action
39. di_____se the protesters *v.* to spread out or distribute over a broad region, or to cause something to do so
40. a sa_____er fish *adj.* of or connected with seawater or water containing salt; living in or found in the sea
41. par_____te pollution *adj.* consisting of small particles, especially those that are suspended in a fluid or air
42. uni_____nal insult *adj.* not done or made on purpose; accidental
43. a tra_____ry missile *n.* the curved path followed by an object moving through space
44. cu_____te in failure *v.* to reach a peak or climax
45. co_____ve substance *adj.* having the ability to corrode or erode a material or substance; causing damage or deterioration over time; harmful or destructive

ANSWERS: 33. gulf, 34. carbonate, 35. volcano, 36. grandchild, 37. grandchild, 38. countermeasure, 39. disperse, 40. saltwater, 41. particulate, 42. unintentional, 43. trajectory, 44. culminate, 45. corrosive

46. di_____se false information *v.* to spread out or distribute over a broad region, or to cause something to do so
47. ci_____te a rumor *v.* to move continuously or freely around a place or closed system
48. ci_____te an agenda before the meeting *v.* to move continuously or freely around a place or closed system
49. education pol_____er *n.* a person in charge of or involved in developing action plans for a political party, business, etc.
50. alkaline ca_____te *n.* a carbonic acid salt or ester that contains the anion CO₃
51. str_____ere layer *n.* the second layer of the Earth's atmosphere, extending from about 7 to 50 kilometers above the Earth's surface, containing the ozone layer
52. me_____al chemistry *adj.* of or relating to the treatment or cure of disease
53. er__t into tears *v.* (of a volcano) to become active and eject rocks, smoke, etc.; to start abruptly and violently
54. in___e the aroma *v.* to breathe in air or a different substance, such as smoke
55. na_____le device *adj.* on a scale that can be measured in nanometres (= one billionth of a meter); on a very small scale
56. sc__b dirt from potatoes *v.* to clean something thoroughly, typically with a brush and soap or detergent
57. cou_____ure strategy *n.* an action taken to counter or offset another action

ANSWERS: 46. disperse, 47. circulate, 48. circulate, 49. policymaker, 50. carbonate, 51. stratosphere, 52. medicinal, 53. erupt, 54. inhale, 55. nanoscale, 56. scrub, 57. countermeasure

58. high ar___c

adj. of or relating to the region around the North Pole or the Arctic Ocean; very cold

ANSWERS: 58. arctic

Session 3: Fill in the Blanks

1. The _____ properties of this herb have been known to help with various ailments.
adj. of or relating to the treatment or cure of disease
2. The grandparents take care of their _____ while the parents are at work.
n. a child of someone's son or daughter
3. The mistake was _____ and made in good faith.
adj. not done or made on purpose; accidental
4. The _____ acid ate away at the metal pipes.
adj. having the ability to corrode or erode a material or substance; causing damage or deterioration over time; harmful or destructive
5. The ozone layer, which protects us from harmful UV radiation, is in the _____.
n. the second layer of the Earth's atmosphere, extending from about 7 to 50 kilometers above the Earth's surface, containing the ozone layer
6. The event will _____ in a grand fireworks display.
v. to reach a peak or climax
7. The economic recession caused _____ in the housing market, with many people losing their homes.
n. the act of causing great destruction or damage, often on a large scale
8. The island was formed by a _____ millions of years ago.
n. a mountain or hill, typically conical, having a crater or vent through which lava, rock fragments, hot vapor, and gas are or have been erupted from the earth's crust.

ANSWERS: 1. medicinal, 2. grandchild, 3. unintentional, 4. corrosive, 5. stratosphere, 6. culminate, 7. devastation, 8. volcano

9. Unilateral import bans have _____ that country's terms of trade.
v. to become or make something worse
10. 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
11. The ecosystem upstream of the river significantly impacts the _____ ecosystem downstream.
adj. of or connected with seawater or water containing salt; living in or found in the sea
12. We should _____ several hypotheses to discuss the matter.
v. to suggest or accept something as fact or as a basis for argument or consideration
13. Battles between whites and blacks _____ immediately.
v. (of a volcano) to become active and eject rocks, smoke, etc.; to start abruptly and violently
14. The fan _____ the air in the room quickly.
v. to move continuously or freely around a place or closed system
15. She waited a few seconds after spraying the _____ insecticide before entering the room.
n. a substance enclosed under pressure and released as a fine spray, typically one used for medical purposes or cosmetic application
16. Cold temperatures and long, dark winters characterize the _____ climate.
adj. of or relating to the region around the North Pole or the Arctic Ocean; very cold

ANSWERS: 9. worsened, 10. nanoscale, 11. saltwater, 12. posit, 13. erupted, 14. circulates, 15. aerosol, 16. arctic

17. Smoke from forest fires is causing an increase in _____ matter in the air.
adj. consisting of small particles, especially those that are suspended in a fluid or air
18. The car wash _____ sprayed a powerful stream of soapy water onto the vehicle.
n. a tube or spout through which a liquid or gas is discharged, particularly one attached to a hose, pump, or spray gun
19. The explosive chemical reaction does not occur in all sodium _____.
n. a carbonic acid salt or ester that contains the anion CO₃
20. Too much variety may _____ and confuse viewers.
v. to defeat someone or something by using a great deal of force; to have a strong emotional effect on somebody
21. The company has shown an excellent growth _____ over the years.
n. the curved path followed by an object moving through space
22. He was known to be very _____ and would often work late into the night.
adj. hardworking, diligent, and persistent in effort
23. Before authorities _____ the protesters, they yelled slogans.
v. to spread out or distribute over a broad region, or to cause something to do so
24. He _____ deeply, trying to calm down.
v. to breathe in air or a different substance, such as smoke
25. The _____ of Mexico is a body of water in the southern United States.
n. a large ocean inlet or deep bay that is partially enclosed by land

ANSWERS: 17. particulate, 18. nozzle, 19. carbonate, 20. overwhelm, 21. trajectory, 22. industrious, 23. dispersed, 24. inhaled, 25. Gulf

26. The desalination plant turned _____ into drinking water through a complex process.
- n.* water from the sea or ocean, typically containing salt and various other dissolved minerals
27. She decided to _____ the kitchen floor to remove all the dirt and grime.
- v.* to clean something thoroughly, typically with a brush and soap or detergent
28. _____ 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.
29. The government implemented several _____ to combat the spread of the virus.
- n.* an action taken to counter or offset another action

ANSWERS: 26. seawater, 27. scrub, 28. Policymakers, 29. countermeasures