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Vocabulary Builder Reference from...

Gavin Schmidt: The emergent patterns of climate change | TED Talk

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

Advanced Words Only

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Session 1: Word List

dynamism

n. the quality of being characterized by continuous change, activity, and progress; energy or forcefulness in movement or action

synonym : energy, liveliness, vigor

(1) the **dynamism** of the market, (2) creative **dynamism**

The **dynamism** of the new CEO has revitalized the struggling company.

endlessly

adv. in a way that continues for a long time or seems to have no end or limit

synonym : ceaselessly, interminably, unceasingly

(1) repeat **endlessly**, (2) worry **endlessly** about our future

The procession of demonstrators was **endlessly** continuing.

chop

v. to cut something into pieces with a sharp tool, such as a knife

synonym : cut, hack, slice

(1) **chop** wood, (2) **chop** a meet with a knife

The cook **chopped** the vegetables for the soup.

microscopic

adj. tiny; exceedingly precise and detail-oriented; of or used in microscopy

synonym : infinitesimal, tiny, atomic

(1) **microscopic** inquiry, (2) **microscopic** analysis
Inspectors noticed **microscopic** cracks in the submarine's hull.

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.

encapsulate

v. to enclose or envelop something within a capsule or a membrane; to express or summarize the essence or core of something in a condensed form

synonym: enclose, contain, capsulize

(1) **encapsulate** the message, (2) **encapsulate** the essence

The movie can **encapsulate** the book's spirit, bringing it to life on screen.

dissipate

v. to disperse or scatter widely

synonym: scatter, disperse, evaporate

(1) **dissipate** heat, (2) **dissipate** stress

The fog **dissipated**, and the air cleared up.

emergent

adj. starting to exist or view, or to become known

synonym: coming, appearing, developing

(1) **emergent** repair of an aorta, (2) an **emergent** republic

Extensive areas of **emergent** plants are usually called marsh.

swirl

v. to move in a circular or spiral pattern

synonym: spin, whirl, turn

(1) **swirl** the wine, (2) **swirl** up dirt and dust

The chef expertly **swirled** the sauce onto the plate.

cyclone

n. a violent, rotating windstorm that forms over tropical waters and can cause extensive damage to coastal regions, also known as a hurricane or typhoon, depending on the region in which it occurs

synonym : tornado, twister, hurricane

(1) **cyclone** warning, (2) devastating **cyclone**

The **cyclone's** strong winds and rough seas severely impacted the fishing industry.

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.

wiggle

v. to move or cause to move up and down or from side to side in short and quick movements

synonym : wiggle, jiggle, squirm

(1) **wiggle** her lips, (2) **wiggle** with excitement

Her hips **wiggle** as she walks.

wobble

v. to move or shake unsteadily from side to side or up and down

synonym : sway, rock, totter

(1) **wobble** a few steps, (2) **wobble** chair

The table **wobbled** a little when I put my drink on it.

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.

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.

deforest

v. to clear an area of forest or trees

synonym : clear-cut, strip, denude

(1) **deforest** a mountain, (2) **deforest** millions of acres

The company planned to **deforest** a large rainforest area to make way for a new plantation.

evaporate

v. to turn a liquid into a gas; to become less intense and disappear gradually

synonym : vaporize, disappear, vanish

(1) **evaporate** the water, (2) **evaporate** almost overnight

The sun will **evaporate** the mist.

advisedly

adv. done with careful consideration or thought; deliberately or intentionally

synonym : deliberately, purposely, intentionally

(1) consider **advisedly**, (2) speak **advisedly**

He **advisedly** chose not to take any risks before the important exam.

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**.

eruption

n. an instance of a sudden and violent release of lava, gas, or ash from a volcano; a sudden outburst or explosion of something

synonym :

explosion, outburst, burst

(1) **eruption** alert level, (2) emotional **eruption**

The volcanic **eruption** caused widespread destruction and left the area covered in ash.

outburst

n. a sudden, violent, and uncontrolled expression of emotion, usually anger or excitement; a sudden release of energy or feeling

synonym: outcry, eruption, explosion

(1) **outburst** of applause, (2) violent **outburst**

My boss's sudden **outburst** shocked and scared me.

intersect

v. to meet or cross one another

synonym: cross, bisect, cut

(1) **intersect** at a point, (2) railways **intersect** the country

Her multidisciplinary works **intersect** music and picture with writing.

wisp

n. a thin, delicate strand or vestige of something, such as smoke, vapor, or a piece of hair; a faint, barely perceptible indication or hint of something; a small creature or fairy, often depicted as a hovering, translucent figure

synonym: strand, thread, filament

(1) a **wisp** of mist, (2) a **wisp** of conversation

The **wisp** of smoke from the candle added to the room's cozy ambiance.

coexist

v. to live or exist together at the same time in the same place

synonym: cohabit, accompany, synchronize

(1) **coexist** with nature, (2) **coexist** with diversity

The different species can **coexist** in the same ecosystem by filling different niches and using different resources.

depletion

n. the reduction of something, especially a natural resource, to a critically low level

synonym: exhaustion, deficiency, reduction

(1) **depletion** of bodily fluids, (2) **depletion** of ozone

The **depletion** of natural resources is a major concern for environmentalists.

Session 2: Spelling

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|--------------------------------|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. co_____t with nature | v. | to live or exist together at the same time in the same place |
| 2. c__p a meet with a knife | v. | to cut something into pieces with a sharp tool, such as a knife |
| 3. g__f war | n. | a large ocean inlet or deep bay that is partially enclosed by land |
| 4. wi_____e with excitement | v. | to move or cause to move up and down or from side to side in short and quick movements |
| 5. a w__p of mist | n. | a thin, delicate strand or vestige of something, such as smoke, vapor, or a piece of hair; a faint, barely perceptible indication or hint of something; a small creature or fairy, often depicted as a hovering, translucent figure |
| 6. de_____st a mountain | v. | to clear an area of forest or trees |
| 7. de_____st millions of acres | v. | to clear an area of forest or trees |
| 8. enc_____te the essence | v. | to enclose or envelop something within a capsule or a membrane; to express or summarize the essence or core of something in a condensed form |
| 9. ar___c ice | adj. | of or relating to the region around the North Pole or the Arctic Ocean; very cold |
| 10. enc_____te the message | v. | to enclose or envelop something within a capsule or a membrane; to express or summarize the essence or core of something in a condensed form |

ANSWERS: 1. coexist, 2. chop, 3. gulf, 4. wiggle, 5. wisp, 6. deforest, 7. deforest, 8. encapsulate, 9. arctic, 10. encapsulate

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|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 11. ou____st of applause | <i>n.</i> a sudden, violent, and uncontrolled expression of emotion, usually anger or excitement; a sudden release of energy or feeling |
| 12. worry en_____ly about our future | <i>adv.</i> in a way that continues for a long time or seems to have no end or limit |
| 13. sw__l up dirt and dust | <i>v.</i> to move in a circular or spiral pattern |
| 14. an em_____nt republic | <i>adj.</i> starting to exist or view, or to become known |
| 15. co_____t with diversity | <i>v.</i> to live or exist together at the same time in the same place |
| 16. de_____on of ozone | <i>n.</i> the reduction of something, especially a natural resource, to a critically low level |
| 17. er_____on alert level | <i>n.</i> an instance of a sudden and violent release of lava, gas, or ash from a volcano; a sudden outburst or explosion of something |
| 18. a w__p of conversation | <i>n.</i> a thin, delicate strand or vestige of something, such as smoke, vapor, or a piece of hair; a faint, barely perceptible indication or hint of something; a small creature or fairy, often depicted as a hovering, translucent figure |
| 19. de_____on of bodily fluids | <i>n.</i> the reduction of something, especially a natural resource, to a critically low level |
| 20. g__f stream | <i>n.</i> a large ocean inlet or deep bay that is partially enclosed by land |
| 21. em_____nt repair of an aorta | <i>adj.</i> starting to exist or view, or to become known |

ANSWERS: 11. outburst, 12. endlessly, 13. swirl, 14. emergent, 15. coexist, 16. depletion, 17. eruption, 18. wisp, 19. depletion, 20. gulf, 21. emergent

22. in_____ct at a point *v.* to meet or cross one another
23. mic_____ic analysis *adj.* tiny; exceedingly precise and detail-oriented; of or used in microscopy
24. devastating cy_____e *n.* a violent, rotating windstorm that forms over tropical waters and can cause extensive damage to coastal regions, also known as a hurricane or typhoon, depending on the region in which it occurs
25. wi___e her lips *v.* to move or cause to move up and down or from side to side in short and quick movements
26. consider ad_____ly *adv.* done with careful consideration or thought; deliberately or intentionally
27. cy_____e warning *n.* a violent, rotating windstorm that forms over tropical waters and can cause extensive damage to coastal regions, also known as a hurricane or typhoon, depending on the region in which it occurs
28. di_____te stress *v.* to disperse or scatter widely
29. the dy_____sm of the market *n.* the quality of being characterized by continuous change, activity, and progress; energy or forcefulness in movement or action
30. c__p wood *v.* to cut something into pieces with a sharp tool, such as a knife
31. mic_____ic inquiry *adj.* tiny; exceedingly precise and detail-oriented; of or used in microscopy

ANSWERS: 22. intersect, 23. microscopic, 24. cyclone, 25. wiggle, 26. advisedly, 27. cyclone, 28. dissipate, 29. dynamism, 30. chop, 31. microscopic

32. ev_____te almost overnight *v.* to turn a liquid into a gas; to become less intense and disappear gradually
33. repeat en_____ly *adv.* in a way that continues for a long time or seems to have no end or limit
34. 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.
35. 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
36. ev_____te the water *v.* to turn a liquid into a gas; to become less intense and disappear gradually
37. 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
38. high ar____c *adj.* of or relating to the region around the North Pole or the Arctic Ocean; very cold
39. speak ad_____ly *adv.* done with careful consideration or thought; deliberately or intentionally
40. wo____e chair *v.* to move or shake unsteadily from side to side or up and down
41. 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.

ANSWERS: 32. evaporate, 33. endlessly, 34. volcano, 35. stratosphere, 36. evaporate, 37. stratosphere, 38. arctic, 39. advisedly, 40. wobble, 41. volcano

42. railways in_____ct the country *v.* to meet or cross one another
43. creative dy_____sm *n.* the quality of being characterized by continuous change, activity, and progress; energy or forcefulness in movement or action
44. ae_____l can *n.* a substance enclosed under pressure and released as a fine spray, typically one used for medical purposes or cosmetic application
45. wo____e a few steps *v.* to move or shake unsteadily from side to side or up and down
46. di_____te heat *v.* to disperse or scatter widely
47. ae_____l container *n.* a substance enclosed under pressure and released as a fine spray, typically one used for medical purposes or cosmetic application
48. violent ou_____st *n.* a sudden, violent, and uncontrolled expression of emotion, usually anger or excitement; a sudden release of energy or feeling
49. sw__l the wine *v.* to move in a circular or spiral pattern
50. emotional er_____on *n.* an instance of a sudden and violent release of lava, gas, or ash from a volcano; a sudden outburst or explosion of something

ANSWERS: 42. intersect, 43. dynamism, 44. aerosol, 45. wobble, 46. dissipate, 47. aerosol, 48. outburst, 49. swirl, 50. eruption

Session 3: Fill in the Blanks

1. The movie can _____ the book's spirit, bringing it to life on screen.
 - v. to enclose or envelop something within a capsule or a membrane; to express or summarize the essence or core of something in a condensed form

2. 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

3. The volcanic _____ caused widespread destruction and left the area covered in ash.
 - n. an instance of a sudden and violent release of lava, gas, or ash from a volcano; a sudden outburst or explosion of something

4. The sun will _____ the mist.
 - v. to turn a liquid into a gas; to become less intense and disappear gradually

5. Her multidisciplinary works _____ music and picture with writing.
 - v. to meet or cross one another

6. The _____ strong winds and rough seas severely impacted the fishing industry.
 - n. a violent, rotating windstorm that forms over tropical waters and can cause extensive damage to coastal regions, also known as a hurricane or typhoon, depending on the region in which it occurs

7. The _____ of smoke from the candle added to the room's cozy ambiance.
 - n. a thin, delicate strand or vestige of something, such as smoke, vapor, or a piece of hair; a faint, barely perceptible indication or hint of something; a small creature or fairy, often depicted as a hovering, translucent figure

ANSWERS: 1. encapsulate, 2. aerosol, 3. eruption, 4. evaporate, 5. intersect, 6. cyclone's, 7. wisp

8. He _____ chose not to take any risks before the important exam.
adv. done with careful consideration or thought; deliberately or intentionally
9. The cook _____ the vegetables for the soup.
v. to cut something into pieces with a sharp tool, such as a knife
10. 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.
11. The different species can _____ in the same ecosystem by filling different niches and using different resources.
v. to live or exist together at the same time in the same place
12. The _____ of natural resources is a major concern for environmentalists.
n. the reduction of something, especially a natural resource, to a critically low level
13. The chef expertly _____ the sauce onto the plate.
v. to move in a circular or spiral pattern
14. The fog _____ and the air cleared up.
v. to disperse or scatter widely
15. Extensive areas of _____ plants are usually called marsh.
adj. starting to exist or view, or to become known
16. My boss's sudden _____ shocked and scared me.
n. a sudden, violent, and uncontrolled expression of emotion, usually anger or excitement; a sudden release of energy or feeling

ANSWERS: 8. advisedly, 9. chopped, 10. volcano, 11. coexist, 12. depletion, 13. swirled, 14. dissipated, 15. emergent, 16. outburst

17. Inspectors noticed _____ cracks in the submarine's hull.
adj. tiny; exceedingly precise and detail-oriented; of or used in microscopy
18. The table _____ a little when I put my drink on it.
v. to move or shake unsteadily from side to side or up and down
19. 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
20. 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
21. 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
22. The company planned to _____ a large rainforest area to make way for a new plantation.
v. to clear an area of forest or trees
23. The procession of demonstrators was _____ continuing.
adv. in a way that continues for a long time or seems to have no end or limit
24. Her hips _____ as she walks.
v. to move or cause to move up and down or from side to side in short and quick movements
25. The _____ of the new CEO has revitalized the struggling company.
n. the quality of being characterized by continuous change, activity, and progress; energy or forcefulness in movement or action

ANSWERS: 17. microscopic, 18. wobbled, 19. Gulf, 20. arctic, 21. stratosphere, 22. deforest, 23. endlessly, 24. wiggle, 25. dynamism

ANSWERS: