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Vocabulary Builder Reference from...

Allan Adams: The discovery that could rewrite physics | TED Talk

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

Advanced Words Only

IMPORTANT

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Session 1: Word List

afterglow

n. a period of time following an event or experience during which a feeling of pleasure, satisfaction, or contentment persists; a lingering glow or light that remains after an object has disappeared from view

synonym : glow, sunset, twilight

(1) concert **afterglow**, (2) romantic **afterglow**

The **afterglow** of the sunset was a beautiful end to a long day.

condense

v. to reduce the volume or size of something, often by removing water or other liquid; to make something shorter, more concise, or more concentrated

synonym : compress, compact, shorten

(1) **condense** the text, (2) **condense** water vapor

I need to **condense** all of my notes into a manageable summary for my presentation.

roil

v. to stir up or agitate a liquid or substance, causing it to become turbid or muddy; to disturb or unsettle the emotions or mental state of a person or group

synonym : agitate, stir up, turbulate

(1) **roil** the water, (2) **roil** the global economy

The breakup of the famous band **roiled** their fans, leading to

disappointment and sadness.

cosmos

n. another name for the universe, mainly used when it is thought of as an ordered system

synonym: universe, macrocosm

(1) exploration of **cosmos**, (2) origin of the **cosmos**

Supercomputers enable scientists to create computational models of the **cosmos**.

homogeneity

n. the quality or state of being homogeneous; uniformity in composition or character

synonym: uniformity, similarity, sameness

(1) soil **homogeneity**, (2) genetic **homogeneity**

The lack of diversity in the boardroom highlights the **homogeneity** of the company's leadership.

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.

whack

v. to hit someone or something hard or noisily

synonym: hit, strike, bash

(1) **whack** him with a stick, (2) **whack** up the volume

He **whacked** the ball out of the park with his home run.

gravitational

adj. relating to or caused by gravity (= the force that attracts objects towards one another)

synonym: weighty, heavy, earthbound

(1) **gravitational** energy, (2) **gravitational** waves

The **gravitational** force of the black hole was so strong that nothing, not even light, could escape.

conclusive

adj. serving to settle an issue or put an end to doubt or uncertainty; irrefutable and leaves no room for doubt

synonym: decisive, definitive, convincing

(1) **conclusive** information, (2) **conclusive** statement
The research provided **conclusive** evidence that the new treatment was effective.

amaze

v. to fill with wonder, surprise, or admiration

synonym: astound, surprise, stagger

(1) **amaze** and entertain visitors, (2) **amaze** everyone
The magician's tricks **amazed** the audience.

Session 2: Spelling

1. wh__k him with a stick
v. to hit someone or something hard or noisily
2. con_____ve statement
adj. serving to settle an issue or put an end to doubt or uncertainty; irrefutable and leaves no room for doubt
3. r__l the water
v. to stir up or agitate a liquid or substance, causing it to become turbid or muddy; to disturb or unsettle the emotions or mental state of a person or group
4. gra_____nal waves
adj. relating to or caused by gravity (= the force that attracts objects towards one another)
5. con_____ve information
adj. serving to settle an issue or put an end to doubt or uncertainty; irrefutable and leaves no room for doubt
6. exploration of co___s
n. another name for the universe, mainly used when it is thought of as an ordered system
7. genetic hom_____ty
n. the quality or state of being homogeneous; uniformity in composition or character
8. romantic af_____ow
n. a period of time following an event or experience during which a feeling of pleasure, satisfaction, or contentment persists; a lingering glow or light that remains after an object has disappeared from view

ANSWERS: 1. whack, 2. conclusive, 3. roil, 4. gravitational, 5. conclusive, 6. cosmos, 7. homogeneity, 8. afterglow

9. am__e and entertain visitors *v.* to fill with wonder, surprise, or admiration
10. wh__k up the volume *v.* to hit someone or something hard or noisily
11. co____se water vapor *v.* to reduce the volume or size of something, often by removing water or other liquid; to make something shorter, more concise, or more concentrated
12. origin of the co____s *n.* another name for the universe, mainly used when it is thought of as an ordered system
13. co____se the text *v.* to reduce the volume or size of something, often by removing water or other liquid; to make something shorter, more concise, or more concentrated
14. am__e everyone *v.* to fill with wonder, surprise, or admiration
15. gra_____nal energy *adj.* relating to or caused by gravity (= the force that attracts objects towards one another)
16. soil hom_____ty *n.* the quality or state of being homogeneous; uniformity in composition or character
17. wi__e her lips *v.* to move or cause to move up and down or from side to side in short and quick movements
18. concert af_____ow *n.* a period of time following an event or experience during which a feeling of pleasure, satisfaction, or contentment persists; a lingering glow or light that remains after an object has disappeared from view

ANSWERS: 9. amaze, 10. whack, 11. condense, 12. cosmos, 13. condense, 14. amaze, 15. gravitational, 16. homogeneity, 17. wiggle, 18. afterglow

19. r__l the global economy

v. to stir up or agitate a liquid or substance, causing it to become turbid or muddy; to disturb or unsettle the emotions or mental state of a person or group

20. wi___e with excitement

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

ANSWERS: 19. roil, 20. wiggle

Session 3: Fill in the Blanks

1. He _____ the ball out of the park with his home run.
v. to hit someone or something hard or noisily

2. I need to _____ all of my notes into a manageable summary for my presentation.
v. to reduce the volume or size of something, often by removing water or other liquid; to make something shorter, more concise, or more concentrated

3. Supercomputers enable scientists to create computational models of the _____.
n. another name for the universe, mainly used when it is thought of as an ordered system

4. The breakup of the famous band _____ their fans, leading to disappointment and sadness.
v. to stir up or agitate a liquid or substance, causing it to become turbid or muddy; to disturb or unsettle the emotions or mental state of a person or group

5. The _____ force of the black hole was so strong that nothing, not even light, could escape.
adj. relating to or caused by gravity (= the force that attracts objects towards one another)

6. The magician's tricks _____ the audience.
v. to fill with wonder, surprise, or admiration

7. 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

ANSWERS: 1. whacked, 2. condense, 3. cosmos, 4. roiled, 5. gravitational, 6. amazed, 7. wiggle

8. The lack of diversity in the boardroom highlights the _____ of the company's leadership.
- n.* the quality or state of being homogeneous; uniformity in composition or character
9. The research provided _____ evidence that the new treatment was effective.
- adj.* serving to settle an issue or put an end to doubt or uncertainty; irrefutable and leaves no room for doubt
10. The _____ of the sunset was a beautiful end to a long day.
- n.* a period of time following an event or experience during which a feeling of pleasure, satisfaction, or contentment persists; a lingering glow or light that remains after an object has disappeared from view

ANSWERS: 8. homogeneity, 9. conclusive, 10. afterglow