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Vocabulary Builder Reference from...

Andrew Zimmerman Jones: Does time exist? | TED Talk

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

Advanced Words Only

IMPORTANT

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Session 1: Word List

sundial

n. a device that tells time based on the position of the sun and the shadow it casts on a marked surface

synonym : shadow clock, timepiece

(1) equatorial **sundial**, (2) antique **sundial**

The garden's **sundial** was a charming and functional decoration.

unfold

v. to open up or spread out something that is folded or rolled up; to reveal or disclose something that was previously hidden or unknown

synonym : open, spread out, expose

(1) **unfold** the story, (2) **unfold** the stroller

The mystery **unfolded** as the detectives gathered more clues.

weave

v. to make cloth, a carpet, a basket, etc., by repeatedly crossing a single thread through two sets of long threads at a right angle to them

synonym : braid, unite, contrive

(1) **weave** on a loom, (2) **weave** a story

The girl **weaves** a garland for her friend.

stubborn

adj. refusing to change one's mind or behavior despite persuasion or evidence to the contrary; unyielding; difficult to move or change

synonym : persistent, obstinate, determined

(1) **stubborn** attitude, (2) **stubborn** stains

He was so **stubborn** about his beliefs that he refused to listen to any other points of view.

instinctively

adv. as a matter of nature or intuition rather than thought or training

synonym : inherently, intuitively, naturally

(1) **instinctively** grabbed the knife, (2) **instinctively** bad with children

Some researchers claim that even humans can **instinctively** sense earthquakes.

thermodynamics

n. the area of physics that deals with heat, work, and temperature and their relation to energy, entropy, and the physical properties of matter and radiation

(1) applied **thermodynamics**, (2) the laws of **thermodynamics**

The second law of **thermodynamics** denies the existence of a perpetual motion engine.

entropy

n. a scientific concept that is most commonly associated with a state of disorder, randomness, or uncertainty

synonym : randomness

(1) **entropy** calculation, (2) **entropy** conservation

Since the second law of thermodynamics is applicable to the universe, the **entropy** of the universe continues to increase.

reconcile

v. to find a way of dealing with two or more ideas, needs, etc. that are opposed to each other to agree and coexist

synonym : harmonize, moderate, conciliate

(1) **reconcile** these differences, (2) **reconcile** a dispute

Sometimes it is challenging to **reconcile** science and religion.

contender

n. the contestant you hope to defeat

synonym: rival, competitor, challenger

(1) championship **contender**, (2) presidential **contender**

We were looking at a severe **contender** indeed.

speculate

v. to form a theory or conjecture or guess about a subject without solid evidence

synonym: assume, conjecture, infer

(1) **speculate** about the reason, (2) **speculate** on the outcome

He **speculated** that this investment would lead to success.

starve

v. to suffer or die from lack of food; to cause someone or something to suffer or die from lack of food; to deprive something of necessary nourishment or sustenance

synonym: famish, hunger

(1) **starve** for a victory, (2) **starve** to death

If you don't eat soon, you're going to **starve**.

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.

physicist

n. a scientist who specializes in the field of physics

(1) talented **physicist**, (2) theoretical **physicist**

Einstein was an outstanding and famous **physicist** of the 20th century.

Session 2: Spelling

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|-------------------------------|------|--|
| 1. sp_____te about the reason | v. | to form a theory or conjecture or guess about a subject without solid evidence |
| 2. un___d the stroller | v. | to open up or spread out something that is folded or rolled up; to reveal or disclose something that was previously hidden or unknown |
| 3. st_____rn attitude | adj. | refusing to change one's mind or behavior despite persuasion or evidence to the contrary; unyielding; difficult to move or change |
| 4. sp_____te on the outcome | v. | to form a theory or conjecture or guess about a subject without solid evidence |
| 5. theoretical ph_____st | n. | a scientist who specializes in the field of physics |
| 6. we__e on a loom | v. | to make cloth, a carpet, a basket, etc., by repeatedly crossing a single thread through two sets of long threads at a right angle to them |
| 7. equatorial su_____l | n. | a device that tells time based on the position of the sun and the shadow it casts on a marked surface |
| 8. the laws of the_____ics | n. | the area of physics that deals with heat, work, and temperature and their relation to energy, entropy, and the physical properties of matter and radiation |
| 9. applied the_____ics | n. | the area of physics that deals with heat, work, and temperature and their relation to energy, entropy, and the physical properties of matter and radiation |

ANSWERS: 1. speculate, 2. unfold, 3. stubborn, 4. speculate, 5. physicist, 6. weave, 7. sundial, 8. thermodynamics, 9. thermodynamics

10. st___e for a victory *v.* to suffer or die from lack of food; to cause someone or something to suffer or die from lack of food; to deprive something of necessary nourishment or sustenance
11. we__e a story *v.* to make cloth, a carpet, a basket, etc., by repeatedly crossing a single thread through two sets of long threads at a right angle to them
12. ins_____ely grabbed the knife *adv.* as a matter of nature or intuition rather than thought or training
13. em_____nt repair of an aorta *adj.* starting to exist or view, or to become known
14. st___e to death *v.* to suffer or die from lack of food; to cause someone or something to suffer or die from lack of food; to deprive something of necessary nourishment or sustenance
15. talented ph_____st *n.* a scientist who specializes in the field of physics
16. an em_____nt republic *adj.* starting to exist or view, or to become known
17. st_____rn stains *adj.* refusing to change one's mind or behavior despite persuasion or evidence to the contrary; unyielding; difficult to move or change
18. antique su_____l *n.* a device that tells time based on the position of the sun and the shadow it casts on a marked surface

ANSWERS: 10. starve, 11. weave, 12. instinctively, 13. emergent, 14. starve, 15. physicist, 16. emergent, 17. stubborn, 18. sundial

19. en____y conservation *n.* a scientific concept that is most commonly associated with a state of disorder, randomness, or uncertainty
20. championship co_____er *n.* the contestant you hope to defeat
21. ins_____ely bad with children *adv.* as a matter of nature or intuition rather than thought or training
22. re_____le these differences *v.* to find a way of dealing with two or more ideas, needs, etc. that are opposed to each other to agree and coexist
23. en____y calculation *n.* a scientific concept that is most commonly associated with a state of disorder, randomness, or uncertainty
24. re_____le a dispute *v.* to find a way of dealing with two or more ideas, needs, etc. that are opposed to each other to agree and coexist
25. un___d the story *v.* to open up or spread out something that is folded or rolled up; to reveal or disclose something that was previously hidden or unknown
26. presidential co_____er *n.* the contestant you hope to defeat

ANSWERS: 19. entropy, 20. contender, 21. instinctively, 22. reconcile, 23. entropy, 24. reconcile, 25. unfold, 26. contender

Session 3: Fill in the Blanks

1. He _____ that this investment would lead to success.
v. to form a theory or conjecture or guess about a subject without solid evidence
2. Some researchers claim that even humans can _____ sense earthquakes.
adv. as a matter of nature or intuition rather than thought or training
3. He was so _____ about his beliefs that he refused to listen to any other points of view.
adj. refusing to change one's mind or behavior despite persuasion or evidence to the contrary; unyielding; difficult to move or change
4. Extensive areas of _____ plants are usually called marsh.
adj. starting to exist or view, or to become known
5. The mystery _____ as the detectives gathered more clues.
v. to open up or spread out something that is folded or rolled up; to reveal or disclose something that was previously hidden or unknown
6. If you don't eat soon, you're going to _____.
v. to suffer or die from lack of food; to cause someone or something to suffer or die from lack of food; to deprive something of necessary nourishment or sustenance
7. The garden's _____ was a charming and functional decoration.
n. a device that tells time based on the position of the sun and the shadow it casts on a marked surface

ANSWERS: 1. speculated, 2. instinctively, 3. stubborn, 4. emergent, 5. unfolded, 6. starve, 7. sundial

8. The girl _____ a garland for her friend.
- v.* to make cloth, a carpet, a basket, etc., by repeatedly crossing a single thread through two sets of long threads at a right angle to them
9. Since the second law of thermodynamics is applicable to the universe, the _____ of the universe continues to increase.
- n.* a scientific concept that is most commonly associated with a state of disorder, randomness, or uncertainty
10. The second law of _____ denies the existence of a perpetual motion engine.
- n.* the area of physics that deals with heat, work, and temperature and their relation to energy, entropy, and the physical properties of matter and radiation
11. Sometimes it is challenging to _____ science and religion.
- v.* to find a way of dealing with two or more ideas, needs, etc. that are opposed to each other to agree and coexist
12. We were looking at a severe _____ indeed.
- n.* the contestant you hope to defeat
13. Einstein was an outstanding and famous _____ of the 20th century.
- n.* a scientist who specializes in the field of physics

ANSWERS: 8. weaves, 9. entropy, 10. thermodynamics, 11. reconcile, 12. contender, 13. physicist