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Vocabulary Builder Reference from...

James Gillies: Dark matter: The matter we can't see | TED Talk

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

Advanced Words Only

IMPORTANT

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Session 1: Word List

indivisible

adj. unable to be divided or separated; not subject to alteration or change

synonym: undividable, inseparable

(1) **indivisible** identity, (2) **indivisible** parts

Liberty and justice for all are **indivisible** concepts.

recognizable

adj. easy to become aware of or identify

synonym: noticeable, perceptible, definite

(1) to a **recognizable** degree, (2) **recognizable** landmark

His car was easily **recognizable** in the parking lot.

divisible

adj. able to be divided into parts, usually with nothing left over

synonym: separable, splittable, partitionable

(1) a **divisible** number, (2) exactly **divisible**

The class was divided into groups of four, with each group being **divisible** by two.

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.

simplistic

adj. oversimplified or lacking in complexity or depth; characterized by an attempt to explain something complex or multifaceted with overly vague or simple terms

synonym : basic, uncomplicated, elementary

(1) **simplistic** approach, (2) **simplistic** design

The politician's solution to the problem was too **simplistic** to solve the underlying issue.

puzzling

adj. confusing or difficult to understand; mysterious

synonym : baffling, confusing, enigmatic

(1) **puzzling** behavior, (2) **puzzling** questions

The detective found the clues **puzzling** and couldn't solve the case immediately.

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.

revolve

v. to rotate around a central point

synonym : rotate, spin, orbit

(1) **revolve** at high speed, (2) **revolve** around a central axis

The Earth **revolves** around the Sun in an elliptical orbit.

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.

vibrate

v. to move or cause anything to move fast and in small increments from side to side

synonym: oscillate, convulse, jerk

(1) **vibrate** at a regular frequency, (2) **vibrate** with anger

During the flight, the wings of the plane **vibrate**.

harmonic

adj. relating to the production of sound waves with a frequency that is an integral multiple of the frequency of the original wave; having a pleasing, pleasing, or agreeable sound.

synonym: melodic, balanced, harmonious

(1) **harmonic** oscillator, (2) a natural **harmonic** quality

The violin's sound was so pure and **harmonic** that it gave me chills.

marvel

n. someone something that causes feelings of wonder or surprise

synonym: wonder, phenomenon, amazement

(1) a **marvel** of beauty, (2) technical **marvel**

The space shuttle is a modern engineering **marvel**.

explode

v. to burst or break open violently and noisily; to cause something to burst or break open

synonym: detonate, blast, rupture

(1) **explode** in anger, (2) **explode** in popularity

The old building **exploded** in a fiery inferno.

Session 2: Spelling

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|-------------------------------|---|
| 1. vi_____e with anger | v. to move or cause anything to move fast and in small increments from side to side |
| 2. ind_____le identity | adj. unable to be divided or separated; not subject to alteration or change |
| 3. sp_____te about the reason | v. to form a theory or conjecture or guess about a subject without solid evidence |
| 4. pu_____ng behavior | adj. confusing or difficult to understand; mysterious |
| 5. a di_____le number | adj. able to be divided into parts, usually with nothing left over |
| 6. exactly di_____le | adj. able to be divided into parts, usually with nothing left over |
| 7. pu_____ng questions | adj. confusing or difficult to understand; mysterious |
| 8. rec_____ble landmark | adj. easy to become aware of or identify |
| 9. technical ma____l | n. someone something that causes feelings of wonder or surprise |
| 10. re_____e at high speed | v. to rotate around a central point |
| 11. a ma____l of beauty | n. someone something that causes feelings of wonder or surprise |
| 12. sim_____ic approach | adj. oversimplified or lacking in complexity or depth; characterized by an attempt to explain something complex or multifaceted with overly vague or simple terms |

ANSWERS: 1. vibrate, 2. indivisible, 3. speculate, 4. puzzling, 5. divisible, 6. divisible, 7. puzzling, 8. recognizable, 9. marvel, 10. revolve, 11. marvel, 12. simplistic

13. ex_____e in anger *v.* to burst or break open violently and noisily; to cause something to burst or break open
14. ex_____e in popularity *v.* to burst or break open violently and noisily; to cause something to burst or break open
15. a natural ha_____ic quality *adj.* relating to the production of sound waves with a frequency that is an integral multiple of the frequency of the original wave; having a pleasing, pleasing, or agreeable sound.
16. 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
17. re_____e around a central axis *v.* to rotate around a central point
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
19. sim_____ic design *adj.* oversimplified or lacking in complexity or depth; characterized by an attempt to explain something complex or multifaceted with overly vague or simple terms
20. ind_____le parts *adj.* unable to be divided or separated; not subject to alteration or change

ANSWERS: 13. explode, 14. explode, 15. harmonic, 16. afterglow, 17. revolve, 18. afterglow, 19. simplistic, 20. indivisible

21. talented ph_____st *n.* a scientist who specializes in the field of physics
22. theoretical ph_____st *n.* a scientist who specializes in the field of physics
23. to a rec_____ble degree *adj.* easy to become aware of or identify
24. sp_____te on the outcome *v.* to form a theory or conjecture or guess about a subject without solid evidence
25. ha_____ic oscillator *adj.* relating to the production of sound waves with a frequency that is an integral multiple of the frequency of the original wave; having a pleasing, pleasing, or agreeable sound.
26. vi_____e at a regular frequency *v.* to move or cause anything to move fast and in small increments from side to side

ANSWERS: 21. physicist, 22. physicist, 23. recognizable, 24. speculate, 25. harmonic, 26. vibrate

Session 3: Fill in the Blanks

1. The politician's solution to the problem was too _____ to solve the underlying issue.
adj. oversimplified or lacking in complexity or depth; characterized by an attempt to explain something complex or multifaceted with overly vague or simple terms
2. The space shuttle is a modern engineering _____.
n. someone something that causes feelings of wonder or surprise
3. 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
4. The detective found the clues _____ and couldn't solve the case immediately.
adj. confusing or difficult to understand; mysterious
5. Liberty and justice for all are _____ concepts.
adj. unable to be divided or separated; not subject to alteration or change
6. The violin's sound was so pure and _____ that it gave me chills.
adj. relating to the production of sound waves with a frequency that is an integral multiple of the frequency of the original wave; having a pleasing, pleasing, or agreeable sound.
7. The class was divided into groups of four, with each group being _____ by two.
adj. able to be divided into parts, usually with nothing left over

ANSWERS: 1. simplistic, 2. marvel, 3. afterglow, 4. puzzling, 5. indivisible, 6. harmonic, 7. divisible

8. During the flight, the wings of the plane _____.
- v.* to move or cause anything to move fast and in small increments from side to side
9. The old building _____ in a fiery inferno.
- v.* to burst or break open violently and noisily; to cause something to burst or break open
10. The Earth _____ around the Sun in an elliptical orbit.
- v.* to rotate around a central point
11. His car was easily _____ in the parking lot.
- adj.* easy to become aware of or identify
12. Einstein was an outstanding and famous _____ of the 20th century.
- n.* a scientist who specializes in the field of physics
13. He _____ that this investment would lead to success.
- v.* to form a theory or conjecture or guess about a subject without solid evidence

ANSWERS: 8. vibrate, 9. exploded, 10. revolves, 11. recognizable, 12. physicist, 13. speculated