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Vocabulary Builder Reference from...

Zohreh Davoudi: Are we living in a simulation? | TED Talk

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

Advanced Words Only

IMPORTANT

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Session 1: Word List

proliferate

v. to grow or increase rapidly in number; to reproduce or spread rapidly, especially in an uncontrolled manner

synonym: multiply, spread, propagate

(1) **proliferate** cells, (2) **proliferate** weeds

The number of COVID cases continued to **proliferate** in many countries worldwide.

radiate

v. to spread out or emit something, such as light or heat, in all directions

synonym: give off, scatter, beam

(1) **radiate** an aura, (2) **radiate** in all directions

Roads **radiate** from the famous building in the center of the city.

inanimate

adj. not having life or spirit; not animate

synonym: lifeless, inert, passive

(1) **inanimate** nature, (2) **inanimate** matter

The **inanimate** object was not capable of movement or feeling.

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.

hypothesize

v. to form or present a theory or explanation without sufficient evidence; to speculate

synonym: speculate, theorize, conjecture

(1) **hypothesize** as to outcomes, (2) **hypothesize** what could have happened

Scientists **hypothesize** that the new fish species evolved to survive in deep-sea environments.

detectable

adj. capable of being discovered or identified

synonym: perceptible, noticeable, observable

(1) a barely **detectable** change, (2) **detectable** by the human ear

The object is **detectable** at ultraviolet wavelengths.

glitch

n. a minor problem or malfunction, especially in a computer program, system, or machine

synonym: malfunction, bug, fault

(1) computer **glitch**, (2) unanticipated **glitch**

The computer system had a minor **glitch** that caused a delay.

incomprehensible

adj. impossible to understand or explain; not able to be grasped or comprehended

synonym: unintelligible, unfathomable, inexplicable

(1) **incomprehensible** jargon, (2) **incomprehensible** math problem

The mathematical formula was **incomprehensible** to most of the students.

disrupt

v. to prevent or stop something, especially an event, activity, or process, from continuing in the usual way by causing a problem or disturbance

synonym:

interrupt, disturb, break into

(1) **disrupt** a well-ordered condition, (2) **disrupt** sleep
I'm so sorry to **disrupt** you when you're pretty busy.

pothole

n. a hole or depression in a road surface, usually caused by wear, weathering, or erosion; can be dangerous to drivers and cause damage to vehicles

synonym: chuckhole, pit, depression

(1) deep **pothole**, (2) **pothole** repair

The car hit a **pothole** and caused a flat tire.

Planck

n. a unit of measurement used in physics to quantify the smallest possible amounts of energy, typically associated with subatomic particles and other quantum phenomena

(1) **Planck** mass, (2) **Planck** length

Planck's constant is a fundamental constant of nature used in quantum mechanics.

observable

adj. that can be noticed or seen

synonym: visible, perceptible, detectable

(1) **observable** change, (2) experimentally **observable**

Any theorem relies on both **observable** fact and assumption.

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.

Session 2: Spelling

1. po____e repair
n. a hole or depression in a road surface, usually caused by wear, weathering, or erosion; can be dangerous to drivers and cause damage to vehicles
2. in_____te matter
adj. not having life or spirit; not animate
3. di_____t sleep
v. to prevent or stop something, especially an event, activity, or process, from continuing in the usual way by causing a problem or disturbance
4. computer gl____h
n. a minor problem or malfunction, especially in a computer program, system, or machine
5. inc_____ble math problem
adj. impossible to understand or explain; not able to be grasped or comprehended
6. obs_____le change
adj. that can be noticed or seen
7. deep po____e
n. a hole or depression in a road surface, usually caused by wear, weathering, or erosion; can be dangerous to drivers and cause damage to vehicles
8. con_____ve information
adj. serving to settle an issue or put an end to doubt or uncertainty; irrefutable and leaves no room for doubt
9. hyp_____ze what could have happened
v. to form or present a theory or explanation without sufficient evidence; to speculate
10. ra____e an aura
v. to spread out or emit something, such as light or heat, in all directions

ANSWERS: 1. pothole, 2. inanimate, 3. disrupt, 4. glitch, 5. incomprehensible, 6. observable, 7. pothole, 8. conclusive, 9. hypothesize, 10. radiate

11. hyp_____ze as to outcomes *v.* to form or present a theory or explanation without sufficient evidence; to speculate
12. pro_____te weeds *v.* to grow or increase rapidly in number; to reproduce or spread rapidly, especially in an uncontrolled manner
13. con_____ve statement *adj.* serving to settle an issue or put an end to doubt or uncertainty; irrefutable and leaves no room for doubt
14. ra_____e in all directions *v.* to spread out or emit something, such as light or heat, in all directions
15. in_____te nature *adj.* not having life or spirit; not animate
16. di_____t a well-ordered condition *v.* to prevent or stop something, especially an event, activity, or process, from continuing in the usual way by causing a problem or disturbance
17. mic_____ic analysis *adj.* tiny; exceedingly precise and detail-oriented; of or used in microscopy
18. pro_____te cells *v.* to grow or increase rapidly in number; to reproduce or spread rapidly, especially in an uncontrolled manner
19. unanticipated gl____h *n.* a minor problem or malfunction, especially in a computer program, system, or machine
20. a barely det_____le change *adj.* capable of being discovered or identified
21. det_____le by the human ear *adj.* capable of being discovered or identified

ANSWERS: 11. hypothesize, 12. proliferate, 13. conclusive, 14. radiate, 15. inanimate, 16. disrupt, 17. microscopic, 18. proliferate, 19. glitch, 20. detectable, 21. detectable

22. Pl___k mass *n.* a unit of measurement used in physics to quantify the smallest possible amounts of energy, typically associated with subatomic particles and other quantum phenomena
23. inc_____ble jargon *adj.* impossible to understand or explain; not able to be grasped or comprehended
24. Pl___k length *n.* a unit of measurement used in physics to quantify the smallest possible amounts of energy, typically associated with subatomic particles and other quantum phenomena
25. experimentally obs_____le *adj.* that can be noticed or seen
26. mic_____ic inquiry *adj.* tiny; exceedingly precise and detail-oriented; of or used in microscopy

ANSWERS: 22. Planck, 23. incomprehensible, 24. Planck, 25. observable, 26. microscopic

Session 3: Fill in the Blanks

1. 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

2. Inspectors noticed _____ cracks in the submarine's hull.

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

3. Any theorem relies on both _____ fact and assumption.

adj. that can be noticed or seen

4. Roads _____ from the famous building in the center of the city.

v. to spread out or emit something, such as light or heat, in all directions

5. The _____ object was not capable of movement or feeling.

adj. not having life or spirit; not animate

6. Scientists _____ that the new fish species evolved to survive in deep-sea environments.

v. to form or present a theory or explanation without sufficient evidence; to speculate

7. I'm so sorry to _____ you when you're pretty busy.

v. to prevent or stop something, especially an event, activity, or process, from continuing in the usual way by causing a problem or disturbance

8. The computer system had a minor _____ that caused a delay.

n. a minor problem or malfunction, especially in a computer program, system, or machine

ANSWERS: 1. conclusive, 2. microscopic, 3. observable, 4. radiate, 5. inanimate, 6. hypothesize, 7. disrupt, 8. glitch

9. The mathematical formula was _____ to most of the students.
adj. impossible to understand or explain; not able to be grasped or comprehended
10. _____ constant is a fundamental constant of nature used in quantum mechanics.
n. a unit of measurement used in physics to quantify the smallest possible amounts of energy, typically associated with subatomic particles and other quantum phenomena
11. The number of COVID cases continued to _____ in many countries worldwide.
v. to grow or increase rapidly in number; to reproduce or spread rapidly, especially in an uncontrolled manner
12. The object is _____ at ultraviolet wavelengths.
adj. capable of being discovered or identified
13. The car hit a _____ and caused a flat tire.
n. a hole or depression in a road surface, usually caused by wear, weathering, or erosion; can be dangerous to drivers and cause damage to vehicles

ANSWERS: 9. incomprehensible, 10. Planck's, 11. proliferate, 12. detectable, 13. pothole