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Vocabulary Builder Reference from...

Tal Danino: Programming bacteria to detect cancer (and maybe treat it) | TED Talk

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

Advanced Words Only

IMPORTANT

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Session 1: Word List

blueprint

n. a photographic print of an early plan for a building or machine

synonym: draft, prototype, sketch

(1) **blueprint** for economic reform, (2) architect's **blueprint**

A business plan is a **blueprint** for your success.

rhythmic

adj. having a pattern of regular beats or a regular beat; characterized by rhythm

synonym: measured, metrical, cadenced

(1) a **rhythmic** stroking, (2) in a **rhythmic** pace

The **rhythmic** sound of the drums was mesmerizing.

synchronize

v. to happen or cause to happen at the same time or rate

synonym: coordinate, accompany, harmonize

(1) **synchronize** movements, (2) **synchronize** our watches

The ball speed will increase when the lower body movements are perfectly **synchronized**.

instruct

v. to teach someone practical skills or knowledge; to formally order or tell someone to do something

synonym: train, coach, guide

(1) **instruct** a student, (2) **instruct** a computer

The facility manager **instructed** the security guards to be on

high alert.

quorum

n. the minimum number of people required to be present at a meeting to conduct official business or make decisions; the number of individuals necessary for an organized group to function

synonym : minimum number, required number, majority

(1) small **quorum**, (2) required **quorum**

The board meeting can only proceed with a **quorum** of at least six members.

virulent

adj. extremely harmful or poisonous, especially in a physical or biological sense; highly infectious or contagious; intensely bitter or hostile

synonym : poisonous, venomous, toxic

(1) **virulent** disease, (2) **virulent** criticism

The **virulent** virus spread rapidly through the close-knit community.

supernova

n. a powerful and luminous explosion that occurs in some stars, resulting in an extremely bright, short-lived object that later fades into a supernova remnant

synonym : explosion, detonation, blast

(1) extragalactic **supernova**, (2) **supernova** remnant

The **supernova** explosion created a bright new star in the night sky.

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.

probiotic

n. a substance, typically a live bacterium, that is ingested to provide health benefits, particularly in aiding digestion or strengthening the immune system

synonym : probiotic bacteria, beneficial bacteria, microflora

(1) **probiotic** supplement, (2) **probiotic** yogurt
Probiotic-rich foods, such as kefir and sauerkraut, can improve digestive health.

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.

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.

Session 2: Spelling

1. pr_____ic supplement *n.* a substance, typically a live bacterium, that is ingested to provide health benefits, particularly in aiding digestion or strengthening the immune system
2. syn_____ze movements *v.* to happen or cause to happen at the same time or rate
3. small qu___m *n.* the minimum number of people required to be present at a meeting to conduct official business or make decisions; the number of individuals necessary for an organized group to function
4. bl_____nt for economic reform *n.* a photographic print of an early plan for a building or machine
5. vi_____nt criticism *adj.* extremely harmful or poisonous, especially in a physical or biological sense; highly infectious or contagious; intensely bitter or hostile
6. mic_____ic analysis *adj.* tiny; exceedingly precise and detail-oriented; of or used in microscopy
7. a barely det_____le change *adj.* capable of being discovered or identified
8. in a rh_____ic pace *adj.* having a pattern of regular beats or a regular beat; characterized by rhythm
9. det_____le by the human ear *adj.* capable of being discovered or identified
10. required qu___m *n.* the minimum number of people required to be present at a meeting to conduct official business or make decisions; the number of individuals necessary for an organized group to function

ANSWERS: 1. probiotic, 2. synchronize, 3. quorum, 4. blueprint, 5. virulent, 6. microscopic, 7. detectable, 8. rhythmic, 9. detectable, 10. quorum

11. architect's bl_____nt
n. a photographic print of an early plan for a building or machine
12. vi_____nt disease
adj. extremely harmful or poisonous, especially in a physical or biological sense; highly infectious or contagious; intensely bitter or hostile
13. a rh_____ic stroking
adj. having a pattern of regular beats or a regular beat; characterized by rhythm
14. pr_____ic yogurt
n. a substance, typically a live bacterium, that is ingested to provide health benefits, particularly in aiding digestion or strengthening the immune system
15. mic_____ic inquiry
adj. tiny; exceedingly precise and detail-oriented; of or used in microscopy
16. extragalactic su_____va
n. a powerful and luminous explosion that occurs in some stars, resulting in an extremely bright, short-lived object that later fades into a supernova remnant
17. su_____va remnant
n. a powerful and luminous explosion that occurs in some stars, resulting in an extremely bright, short-lived object that later fades into a supernova remnant
18. ex_____e in popularity
v. to burst or break open violently and noisily; to cause something to burst or break open
19. in_____ct a computer
v. to teach someone practical skills or knowledge; to formally order or tell someone to do something
20. syn_____ze our watches
v. to happen or cause to happen at the same time or rate

ANSWERS: 11. blueprint, 12. virulent, 13. rhythmic, 14. probiotic, 15. microscopic, 16. supernova, 17. supernova, 18. explode, 19. instruct, 20. synchronize

21. ex_____e in anger

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

22. in_____ct a student

v. to teach someone practical skills or knowledge; to formally order or tell someone to do something

ANSWERS: 21. explode, 22. instruct

Session 3: Fill in the Blanks

1. Inspectors noticed _____ cracks in the submarine's hull.
adj. tiny; exceedingly precise and detail-oriented; of or used in microscopy
2. The facility manager _____ the security guards to be on high alert.
v. to teach someone practical skills or knowledge; to formally order or tell someone to do something
3. The board meeting can only proceed with a _____ of at least six members.
n. the minimum number of people required to be present at a meeting to conduct official business or make decisions; the number of individuals necessary for an organized group to function
4. _____ foods, such as kefir and sauerkraut, can improve digestive health.
n. a substance, typically a live bacterium, that is ingested to provide health benefits, particularly in aiding digestion or strengthening the immune system
5. The _____ virus spread rapidly through the close-knit community.
adj. extremely harmful or poisonous, especially in a physical or biological sense; highly infectious or contagious; intensely bitter or hostile
6. A business plan is a _____ for your success.
n. a photographic print of an early plan for a building or machine
7. The _____ sound of the drums was mesmerizing.
adj. having a pattern of regular beats or a regular beat; characterized by rhythm

ANSWERS: 1. microscopic, 2. instructed, 3. quorum, 4. Probiotic-rich, 5. virulent, 6. blueprint, 7. rhythmic

8. The _____ explosion created a bright new star in the night sky.
- n.* a powerful and luminous explosion that occurs in some stars, resulting in an extremely bright, short-lived object that later fades into a supernova remnant
9. The object is _____ at ultraviolet wavelengths.
- adj.* capable of being discovered or identified
10. The old building _____ in a fiery inferno.
- v.* to burst or break open violently and noisily; to cause something to burst or break open
11. The ball speed will increase when the lower body movements are perfectly _____.
- v.* to happen or cause to happen at the same time or rate

ANSWERS: 8. supernova, 9. detectable, 10. exploded, 11. synchronized