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Vocabulary Builder Reference from...

Faith Osier: The key to a better malaria vaccine | TED Talk

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

Advanced Words Only

IMPORTANT

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Session 1: Word List

parasite

n. an organism that lives on or in another organism and benefits by deriving nutrients at the other's expense

synonym: hitchhiker, leech, saprophyte

(1) blood-sucking **parasite**, (2) **parasite** disease

Tapeworms are **parasites** that live in the intestines of humans and animals.

awash

adj. flooded or overflowing with water, typically suddenly or unexpectedly; abundant or prevalent to the extent of being overwhelming or excessive

synonym: flooded, inundated, immersed

(1) **awash** with cash, (2) **awash** in debt

The beach was **awash** with seaweed after the storm.

omics

n. a term used in various scientific disciplines, such as genomics, proteomics, and metabolomics, to refer to the large-scale analysis and understanding of biological systems and processes

synonym: genomics, metabolomics, transcriptomics

(1) **omics** research, (2) **omics** profiling techniques

Omics data integration allows us to create a holistic view of cellular processes.

proteome

n. the entire complement of proteins that can be expressed by a genome, cell, tissue, or organism, including all of its functional forms and modifications

(1) bacterial **proteome**, (2) **proteome** database

Scientists are studying the human **proteome** to understand better how proteins work in the body.

rudimentary

adj. relating to basic facts or principles; fundamental

synonym: essential, fundamental, elementary

(1) a **rudimentary** plant, (2) **rudimentary** understanding

He has only a **rudimentary** knowledge of this topic.

infect

v. to affect a person, an animal, or a plant with a disease-causing organism

synonym: pollute, contaminate, affect

(1) **infect** other animal species, (2) **infect** a computer with a virus

Children often **infect** parents with this head cold.

prioritize

v. to assign a higher level of importance to something compared to other things

synonym: rank, order, arrange

(1) **prioritize** tasks, (2) **prioritize** people over cars

The organization **prioritized** the needs of the community in its decision-making.

synthesize

v. to combine a substance to make a more complex product or compound

synonym: incorporate, amalgamate

(1) **synthesize** molecules, (2) **synthesize** information

The spider can **synthesize** multiple different silk proteins.

recreate

v. to make something that existed previously happen or appear to exist again

synonym: renovate, vivify, revive

(1) **recreate** a single country, (2) **recreate** the feeling of the 1920s

She **recreated** the atmosphere of the pre-war age with her stage setting.

synergy

n. the interaction of elements that, when combined, produce a total effect that is greater than the sum of the individual elements

synonym: cooperation, collaboration, partnership

(1) **synergy** collaboration, (2) **synergy** between businesses

The new software program was designed to increase productivity by promoting employee **synergy**.

vaccinate

v. to treat with a vaccine, usually by injection, to produce immunity against a disease

synonym: immunize, inject, inoculate

(1) **vaccinate** against scarlet fever, (2) **vaccinate** every year

The nurse **vaccinated** the children in the school.

sideways

adv. towards or from the side; with one side forward or to the front; (adjective, of movement) at an angle

synonym: to the edge, obliquely, sidelong

(1) fall **sideways**, (2) a **sideways** market

She glanced **sideways** at the conversation of the boy she was interested in.

Session 2: Spelling

1. va_____te every year
v. to treat with a vaccine, usually by injection, to produce immunity against a disease
2. blood-sucking pa_____te
n. an organism that lives on or in another organism and benefits by deriving nutrients at the other's expense
3. fall si_____ys
adv. towards or from the side; with one side forward or to the front; (adjective, of movement) at an angle
4. rud_____ry understanding
adj. relating to basic facts or principles; fundamental
5. re_____te a single country
v. to make something that existed previously happen or appear to exist again
6. aw__h in debt
adj. flooded or overflowing with water, typically suddenly or unexpectedly; abundant or prevalent to the extent of being overwhelming or excessive
7. pri_____ze tasks
v. to assign a higher level of importance to something compared to other things
8. pr_____me database
n. the entire complement of proteins that can be expressed by a genome, cell, tissue, or organism, including all of its functional forms and modifications
9. bacterial pr_____me
n. the entire complement of proteins that can be expressed by a genome, cell, tissue, or organism, including all of its functional forms and modifications

ANSWERS: 1. vaccinate, 2. parasite, 3. sideways, 4. rudimentary, 5. recreate, 6. awash, 7. prioritize, 8. proteome, 9. proteome

10. a si_____ys market *adv.* towards or from the side; with one side forward or to the front; (adjective, of movement) at an angle
11. a rud_____ry plant *adj.* relating to basic facts or principles; fundamental
12. va_____te against scarlet fever *v.* to treat with a vaccine, usually by injection, to produce immunity against a disease
13. om__s research *n.* a term used in various scientific disciplines, such as genomics, proteomics, and metabolomics, to refer to the large-scale analysis and understanding of biological systems and processes
14. pri_____ze people over cars *v.* to assign a higher level of importance to something compared to other things
15. syn_____ze molecules *v.* to combine a substance to make a more complex product or compound
16. in___t a computer with a virus *v.* to affect a person, an animal, or a plant with a disease-causing organism
17. pa_____te disease *n.* an organism that lives on or in another organism and benefits by deriving nutrients at the other's expense
18. sy_____y between businesses *n.* the interaction of elements that, when combined, produce a total effect that is greater than the sum of the individual elements
19. om__s profiling techniques *n.* a term used in various scientific disciplines, such as genomics, proteomics, and metabolomics, to refer to the large-scale analysis and understanding of biological systems and processes

ANSWERS: 10. sideways, 11. rudimentary, 12. vaccinate, 13. omics, 14. prioritize, 15. synthesize, 16. infect, 17. parasite, 18. synergy, 19. omics

20. syn_____ze information *v.* to combine a substance to make a more complex product or compound
21. re_____te the feeling of the 1920s *v.* to make something that existed previously happen or appear to exist again
22. sy_____y collaboration *n.* the interaction of elements that, when combined, produce a total effect that is greater than the sum of the individual elements
23. in____t other animal species *v.* to affect a person, an animal, or a plant with a disease-causing organism
24. aw__h with cash *adj.* flooded or overflowing with water, typically suddenly or unexpectedly; abundant or prevalent to the extent of being overwhelming or excessive

ANSWERS: 20. synthesize, 21. recreate, 22. synergy, 23. infect, 24. awash

Session 3: Fill in the Blanks

1. Scientists are studying the human _____ to understand better how proteins work in the body.
 - n.* the entire complement of proteins that can be expressed by a genome, cell, tissue, or organism, including all of its functional forms and modifications
2. The beach was _____ with seaweed after the storm.
 - adj.* flooded or overflowing with water, typically suddenly or unexpectedly; abundant or prevalent to the extent of being overwhelming or excessive
3. The new software program was designed to increase productivity by promoting employee _____.
 - n.* the interaction of elements that, when combined, produce a total effect that is greater than the sum of the individual elements
4. Tapeworms are _____ that live in the intestines of humans and animals.
 - n.* an organism that lives on or in another organism and benefits by deriving nutrients at the other's expense
5. She glanced _____ at the conversation of the boy she was interested in.
 - adv.* towards or from the side; with one side forward or to the front; (adjective, of movement) at an angle
6. The nurse _____ the children in the school.
 - v.* to treat with a vaccine, usually by injection, to produce immunity against a disease
7. _____ data integration allows us to create a holistic view of cellular processes.
 - n.* a term used in various scientific disciplines, such as genomics, proteomics, and metabolomics, to refer to the large-scale analysis and understanding of biological systems and processes

ANSWERS: 1. proteome, 2. awash, 3. synergy, 4. parasites, 5. sideways, 6. vaccinated, 7. Omics

8. He has only a _____ knowledge of this topic.

adj. relating to basic facts or principles; fundamental

9. The organization _____ the needs of the community in its decision-making.

v. to assign a higher level of importance to something compared to other things

10. She _____ the atmosphere of the pre-war age with her stage setting.

v. to make something that existed previously happen or appear to exist again

11. The spider can _____ multiple different silk proteins.

v. to combine a substance to make a more complex product or compound

12. Children often _____ parents with this head cold.

v. to affect a person, an animal, or a plant with a disease-causing organism

ANSWERS: 8. rudimentary, 9. prioritized, 10. recreated, 11. synthesize, 12. infect