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Vocabulary Builder Reference from...

Dan Kwartler: How fast can a vaccine be made? |

TED Talk

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

Advanced Words Only

IMPORTANT

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Session 1: Word List

pathogen

n. a bacterium, virus, or other microorganism that causes disease

synonym: germ, microbe, bacterium

(1) plant **pathogen**, (2) the **pathogen** in the air

mRNA vaccines are approved faster because they do not contain inactivated **pathogens**.

pandemic

n. an outbreak of a disease that affects many people over a very wide area

synonym: outbreak

(1) flu **pandemic**, (2) global **pandemic**

They fear a **pandemic** of a new type of virus.

attenuate

v. to weaken or reduce the intensity of something, such as a sound, feeling, or substance; to make something thinner or less dense

synonym: weaken, reduce, diminish

(1) **attenuate** the signal, (2) **attenuate** the power

The scientist was able to **attenuate** the virus by altering its genetic code.

resilient

adj. able to withstand or recover quickly from difficult conditions

synonym : robust, sturdy, tough

(1) a hard and **resilient** steel, (2) **resilient** population

She is a **resilient** person and has always bounced back from setbacks.

inactivate

v. to make something idle or inoperative; to release from military service or remove from the active list of military service

synonym : assuage, appease, demobilize

(1) **inactivate** growth factor, (2) **inactivate** the vaccine

The system for purifying the air uses UV light to **inactivate** microorganisms.

inject

v. to put a liquid such as a drug or other substance into a person's or an animal's body using a needle and syringe (= small tube)

synonym : shoot, infiltrate, insinuate

(1) **inject** under the skin, (2) **inject** a personal opinion into a debate

Let's try to **inject** a bit of enthusiasm into your performance.

time-consuming

adj. requiring a significant amount of time or effort to complete

synonym : lengthy, prolonged, protracted

(1) **time-consuming** project, (2) **time-consuming** process

Writing a research paper can be a **time-consuming** task.

coronavirus

n. a large family of viruses that can cause illness in humans and animals, which name comes from the crown-like spikes on the surface of the virus, which can be seen under a microscope, and COVID-19 is caused by a specific type of coronavirus known as SARS-CoV-2

synonym : covid

(1) **coronavirus** antibody test kit, (2) **coronavirus** bankruptcy

Considering the situation of **coronavirus**, organized stopped this year's beer festival.

deem

v. to consider or decide something in a particular way

synonym: believe, consider, suppose

(1) **deem** socially responsible, (2) **deem** wrong or inappropriate

Regarding earthquakes, some commercial buildings were **deemed** unsafe.

determinant

n. a factor, circumstance, or condition that contributes to the shaping, influencing, or determining of a particular outcome or result

synonym: cause, factor, element

(1) environmental **determinant**, (2) a **determinant** of crop yields

One **determinant** of success is having a positive attitude and a strong work ethic.

expedite

v. to accelerate or speed up a process or task to make it happen more quickly or efficiently; to facilitate the progress of something

synonym: accelerate, hasten, hurry

(1) **expedite** the decision, (2) **expedite** the shipment

We need to **expedite** the process if we want to meet our deadline.

mRNA

n. (an abbreviation for messenger RNA) a single-stranded molecule of RNA that corresponds to the genetic sequence of a gene, and is read by a ribosome in the process of synthesizing a protein

(1) **mRNA** translation, (2) nuclear **mRNA**

The **mRNA** vaccine can expedite many approval processes because it does not contain a virus.

conquer

v. to bring under control by force or authority

synonym: defeat, overpower, subdue

(1) **conquer** fatal disease, (2) **conquer** the world

You must **conquer** your anxiety about driving.

Session 2: Spelling

- | | |
|---------------------------------|---|
| 1. at_____te the signal | <i>v.</i> to weaken or reduce the intensity of something, such as a sound, feeling, or substance; to make something thinner or less dense |
| 2. d__m socially responsible | <i>v.</i> to consider or decide something in a particular way |
| 3. tim_____ing project | <i>adj.</i> requiring a significant amount of time or effort to complete |
| 4. a det_____nt of crop yields | <i>n.</i> a factor, circumstance, or condition that contributes to the shaping, influencing, or determining of a particular outcome or result |
| 5. a hard and re_____nt steel | <i>adj.</i> able to withstand or recover quickly from difficult conditions |
| 6. cor_____us antibody test kit | <i>n.</i> a large family of viruses that can cause illness in humans and animals, which name comes from the crown-like spikes on the surface of the virus, which can be seen under a microscope, and COVID-19 is caused by a specific type of coronavirus known as SARS-CoV-2 |
| 7. environmental det_____nt | <i>n.</i> a factor, circumstance, or condition that contributes to the shaping, influencing, or determining of a particular outcome or result |
| 8. plant pa_____en | <i>n.</i> a bacterium, virus, or other microorganism that causes disease |

ANSWERS: 1. attenuate, 2. deem, 3. time-consuming, 4. determinant, 5. resilient, 6. coronavirus, 7. determinant, 8. pathogen

- | | |
|---------------------------------|---|
| 9. ex____te the decision | <i>v.</i> to accelerate or speed up a process or task to make it happen more quickly or efficiently; to facilitate the progress of something |
| 10. m__A translation | <i>n.</i> (an abbreviation for messenger RNA) a single-stranded molecule of RNA that corresponds to the genetic sequence of a gene, and is read by a ribosome in the process of synthesizing a protein |
| 11. cor____us bankruptcy | <i>n.</i> a large family of viruses that can cause illness in humans and animals, which name comes from the crown-like spikes on the surface of the virus, which can be seen under a microscope, and COVID-19 is caused by a specific type of coronavirus known as SARS-CoV-2 |
| 12. flu pa____ic | <i>n.</i> an outbreak of a disease that affects many people over a very wide area |
| 13. in____t under the skin | <i>v.</i> to put a liquid such as a drug or other substance into a person's or an animal's body using a needle and syringe (= small tube) |
| 14. ina____te growth factor | <i>v.</i> to make something idle or inoperative; to release from military service or remove from the active list of military service |
| 15. the pa____en in the air | <i>n.</i> a bacterium, virus, or other microorganism that causes disease |
| 16. d__m wrong or inappropriate | <i>v.</i> to consider or decide something in a particular way |

ANSWERS: 9. expedite, 10. mRNA, 11. coronavirus, 12. pandemic, 13. inject, 14. inactivate, 15. pathogen, 16. deem

17. ina_____te the vaccine	<i>v.</i> to make something idle or inoperative; to release from military service or remove from the active list of military service
18. co_____r the world	<i>v.</i> to bring under control by force or authority
19. re_____nt population	<i>adj.</i> able to withstand or recover quickly from difficult conditions
20. global pa_____ic	<i>n.</i> an outbreak of a disease that affects many people over a very wide area
21. at_____te the power	<i>v.</i> to weaken or reduce the intensity of something, such as a sound, feeling, or substance; to make something thinner or less dense
22. nuclear m__A	<i>n.</i> (an abbreviation for messenger RNA) a single-stranded molecule of RNA that corresponds to the genetic sequence of a gene, and is read by a ribosome in the process of synthesizing a protein
23. in___t a personal opinion into a debate	<i>v.</i> to put a liquid such as a drug or other substance into a person's or an animal's body using a needle and syringe (= small tube)
24. co_____r fatal disease	<i>v.</i> to bring under control by force or authority
25. tim_____ing process	<i>adj.</i> requiring a significant amount of time or effort to complete
26. ex_____te the shipment	<i>v.</i> to accelerate or speed up a process or task to make it happen more quickly or efficiently; to facilitate the progress of something

ANSWERS: 17. inactivate, 18. conquer, 19. resilient, 20. pandemic, 21. attenuate, 22. mRNA, 23. inject, 24. conquer, 25. time-consuming, 26. expedite

ANSWERS:

Session 3: Fill in the Blanks

1. One _____ of success is having a positive attitude and a strong work ethic.
n. a factor, circumstance, or condition that contributes to the shaping, influencing, or determining of a particular outcome or result
2. Considering the situation of _____ organized stopped this year's beer festival.
n. a large family of viruses that can cause illness in humans and animals, which name comes from the crown-like spikes on the surface of the virus, which can be seen under a microscope, and COVID-19 is caused by a specific type of coronavirus known as SARS-CoV-2
3. mRNA vaccines are approved faster because they do not contain inactivated _____.
n. a bacterium, virus, or other microorganism that causes disease
4. We need to _____ the process if we want to meet our deadline.
v. to accelerate or speed up a process or task to make it happen more quickly or efficiently; to facilitate the progress of something
5. She is a _____ person and has always bounced back from setbacks.
adj. able to withstand or recover quickly from difficult conditions
6. You must _____ your anxiety about driving.
v. to bring under control by force or authority
7. Writing a research paper can be a _____ task.
adj. requiring a significant amount of time or effort to complete

ANSWERS: 1. determinant, 2. coronavirus, 3. pathogens, 4. expedite, 5. resilient, 6. conquer, 7. time-consuming

8. They fear a _____ of a new type of virus.
- n.* an outbreak of a disease that affects many people over a very wide area
9. Let's try to _____ a bit of enthusiasm into your performance.
- v.* to put a liquid such as a drug or other substance into a person's or an animal's body using a needle and syringe (= small tube)
10. Regarding earthquakes, some commercial buildings were _____ unsafe.
- v.* to consider or decide something in a particular way
11. The _____ vaccine can expedite many approval processes because it does not contain a virus.
- n.* (an abbreviation for messenger RNA) a single-stranded molecule of RNA that corresponds to the genetic sequence of a gene, and is read by a ribosome in the process of synthesizing a protein
12. The scientist was able to _____ the virus by altering its genetic code.
- v.* to weaken or reduce the intensity of something, such as a sound, feeling, or substance; to make something thinner or less dense
13. The system for purifying the air uses UV light to _____ microorganisms.
- v.* to make something idle or inoperative; to release from military service or remove from the active list of military service

ANSWERS: 8. pandemic, 9. inject, 10. deemed, 11. mRNA, 12. attenuate, 13. inactivate