



Vocabulary Builder Reference from...

Kaitlyn Sadtler and Elizabeth Wayne: How the COVID-19 vaccines were created so quickly | TED Talk

https://www.ted.com/talks/kaitlyn_sadtler_and_elizabeth_wayne_how_the_covid_19_vaccines_were_created_so_quickly

Advanced Words Only

IMPORTANT

This material is a commentary and does not contain any copyrighted material of the reference source. We strongly recommend accessing/buying the reference source at the same time.

Session 1: Word List

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.

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.

ribosome

n. a cellular structure made of RNA and protein that helps in the production of proteins

(1) coli **ribosome**, (2) **ribosome** binding

Ribosome dysfunction can lead to diseases such as muscular dystrophy.

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.

nanoparticle

n. a particle of matter that is between 1 and 100 nanometres (nm) in diameter

(1) aluminum **nanoparticle**, (2) atmospheric **nanoparticle**

For some creatures, carbon **nanoparticles** are deadly.

disperse

v. to spread out or distribute over a broad region, or to cause something to do so

synonym: dissipate, spread, scatter

(1) **disperse** false information, (2) **disperse** the protesters

Before authorities **dispersed** the protesters, they yelled slogans.

fuse

n. a small part in an electrical device or machinery that can interrupt the flow of electrical current when it is overloaded; (verb) to become plastic or fluid or liquefied from heat

synonym: (verb) melt, (verb) blend

(1) **fuse** blows, (2) **fuse** with one another

He has a short **fuse**.

amputate

v. to cut off a part of the body, especially by surgery

synonym: cut off, cut away

(1) **amputate** both legs, (2) **amputate** below the knee

Finally, they had to **amputate** his foot to free him from the

wrecked car.

sect

n. a group of people who follow a particular religious or philosophical belief system, especially one that is regarded as outside the norm or mainstream

synonym: group, faction, cult

(1) **sect** beliefs, (2) secret **sect**

The minority **sect** believed in a set of unconventional religious practices.

Session 2: Spelling

1. f__e with one another *n.* a small part in an electrical device or machinery that can interrupt the flow of electrical current when it is overloaded; (verb) to become plastic or fluid or liquefied from heat
2. am____te below the knee *v.* to cut off a part of the body, especially by surgery
3. di____se the protesters *v.* to spread out or distribute over a broad region, or to cause something to do so
4. nuclear m__A *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
5. s__t beliefs *n.* a group of people who follow a particular religious or philosophical belief system, especially one that is regarded as outside the norm or mainstream
6. coli ri____me *n.* a cellular structure made of RNA and protein that helps in the production of proteins
7. cor____us antibody test kit *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

ANSWERS: 1. fuse, 2. amputate, 3. disperse, 4. mRNA, 5. sect, 6. ribosome, 7. coronavirus

- | | | |
|--|-----------|---|
| 8. atmospheric nan_____cle | <i>n.</i> | a particle of matter that is between 1 and 100 nanometres (nm) in diameter |
| 9. ri_____me binding | <i>n.</i> | a cellular structure made of RNA and protein that helps in the production of proteins |
| 10. am_____te both legs | <i>v.</i> | to cut off a part of the body, especially by surgery |
| 11. aluminum nan_____cle | <i>n.</i> | a particle of matter that is between 1 and 100 nanometres (nm) in diameter |
| 12. f__e blows | <i>n.</i> | a small part in an electrical device or machinery that can interrupt the flow of electrical current when it is overloaded; (verb) to become plastic or fluid or liquefied from heat |
| 13. 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) |
| 14. di_____se false information | <i>v.</i> | to spread out or distribute over a broad region, or to cause something to do so |
| 15. 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 |
| 16. 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 |

ANSWERS: 8. nanoparticle, 9. ribosome, 10. amputate, 11. nanoparticle, 12. fuse, 13. inject, 14. disperse, 15. mRNA, 16. coronavirus

17. in___t under the skin

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)

18. secret s__t

n. a group of people who follow a particular religious or philosophical belief system, especially one that is regarded as outside the norm or mainstream

ANSWERS: 17. inject, 18. sect

Session 3: Fill in the Blanks

1. 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)

2. For some creatures, carbon _____ are deadly.
 - n. a particle of matter that is between 1 and 100 nanometres (nm) in diameter

3. He has a short _____.
 - n. a small part in an electrical device or machinery that can interrupt the flow of electrical current when it is overloaded; (verb) to become plastic or fluid or liquefied from heat

4. 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

5. The minority _____ believed in a set of unconventional religious practices.
 - n. a group of people who follow a particular religious or philosophical belief system, especially one that is regarded as outside the norm or mainstream

6. Before authorities _____ the protesters, they yelled slogans.
 - v. to spread out or distribute over a broad region, or to cause something to do so

7. Finally, they had to _____ his foot to free him from the wrecked car.
 - v. to cut off a part of the body, especially by surgery

ANSWERS: 1. inject, 2. nanoparticles, 3. fuse, 4. mRNA, 5. sect, 6. dispersed, 7. amputate

8. _____ dysfunction can lead to diseases such as muscular dystrophy.
- n.* a cellular structure made of RNA and protein that helps in the production of proteins
9. 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

ANSWERS: 8. Ribosome, 9. coronavirus,