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Vocabulary Builder Reference from...

Ellen Jorgensen: What you need to know about CRISPR | TED Talk

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

Advanced Words Only

IMPORTANT

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Session 1: Word List

mammoth

adj. exceedingly large or extensive; (noun) any of numerous extinct elephants widely distributed in the Pleistocene

synonym: huge, large

(1) woolly **mammoth**, (2) a **mammoth** ship

The minister decided to review its **mammoth** public works projects.

helix

n. a three-dimensional spiral shape or structure, particularly like that of a spring or a DNA molecule

synonym: coil, spiral, twist

(1) **helix** structure, (2) alpha **helix**

The DNA molecule is shaped like a double **helix**.

anthropomorphize

v. to attribute human characteristics, emotions, and abilities to non-human entities

synonym: personify, humanize

(1) **anthropomorphize** animals, (2) **anthropomorphize** God

The children **anthropomorphized** their stuffed animals and gave them personalities.

chew

v. to crush or grind something, especially food, with the teeth and then swallow it

synonym : masticate, crush, grind

(1) **chew** each word, (2) **chew** a stick of gum

My dog loves to **chew** on bones.

leash

n. a long, flexible cord or chain used to restrain or control a dog (or other animals); a figurative tool used to control or limit someone's behavior or actions

synonym : tether, lead, restraint

(1) dog **leash**, (2) walk on a **leash**

Make sure to put the **leash** on your dog before walking.

shove

v. to push someone or something in a rough way

synonym : push, jab, elbow

(1) **shove** a person aside, (2) **shove** hamburger into my mouth

He forcibly **shoved** the flyer into my bag.

homologous

adj. having the same or similar structure, position, or function, particularly in different species or organisms; related by common ancestry

synonym : corresponding, analogous, similar

(1) **homologous** genes, (2) **homologous** structures

Homologous recombination is a process that can occur during DNA repair.

diploid

adj. relating to a cell or organism with two complete sets of chromosomes (= long, thread-like molecules made of DNA and proteins); (noun) cells that contain two complete sets of chromosomes, one from each parent

synonym : doubled, matched, paired

(1) **diploid** nuclei, (2) **diploid** organism

The **diploid** cells contain two sets of chromosomes, one from each parent, allowing for genetic variation.

hijack

v. to seize control of an airplane or other vehicle during an operation, especially with violence

synonym : commandeer, seize, pirate

(1) **hijack** a helicopter, (2) **hijack** a phone number
He made a desperate effort to **hijack** an airliner.

accuse

v. to charge or criticize someone with a crime or wrongdoing

synonym: charge, blame, criticize

(1) **accuse** his rudeness, (2) **accuse** each other

The witness **accused** the defendant of committing the robbery.

hefty

adj. large, bulky, and heavy; impressively large, substantial, or powerful; large in amount, extent, or significance

synonym: weighty, substantial, sizeable

(1) **hefty** price, (2) **hefty** breakfast

The **hefty** box of books was too heavy to lift on my own.

petri

n. (petri dish) a small, clear, and round dish with a lid used in laboratories, especially for growing bacteria

(1) **petri** dish test, (2) bacteria on **petri** dishes

Glass **petri** dishes are used to culture microorganisms.

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.

flashy

adj. attractive or impressive by being bright, expensive, large, etc.; (used especially of clothes) marked by conspicuous display

synonym: gaudy, ostentatious, dazzling

(1) **flashy** cars, (2) **flashy** graphics

I want to buy a reliable car rather than a **flashy** one.

drown

v. to die or cause to die by being unable to breathe underwater

synonym : douse, drench, overwhelm

(1) **drown** in a bath, (2) I was **drowned** in work

Floods have the potential to **drown** any subsurface animals easily.

shepherd

n. a person who tends and guards sheep, especially in a rural area

synonym : herder, flock-keeper, sheepdog

(1) **shepherd** boy, (2) sheep without a **shepherd**

The **shepherd's** dog helped keep the sheep in line and protect them from predators.

Session 2: Spelling

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|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. hi___k a phone number | v. to seize control of an airplane or other vehicle during an operation, especially with violence |
| 2. a ma____h ship | <i>adj.</i> exceedingly large or extensive; (noun) any of numerous extinct elephants widely distributed in the Pleistocene |
| 3. sh__e hamburger into my mouth | v. to push someone or something in a rough way |
| 4. hi___k a helicopter | v. to seize control of an airplane or other vehicle during an operation, especially with violence |
| 5. dog le__h | <i>n.</i> a long, flexible cord or chain used to restrain or control a dog (or other animals); a figurative tool used to control or limit someone's behavior or actions |
| 6. I was dr__ned in work | v. to die or cause to die by being unable to breathe underwater |
| 7. ac___e his rudeness | v. to charge or criticize someone with a crime or wrongdoing |
| 8. he__y breakfast | <i>adj.</i> large, bulky, and heavy; impressively large, substantial, or powerful; large in amount, extent, or significance |
| 9. woolly ma____h | <i>adj.</i> exceedingly large or extensive; (noun) any of numerous extinct elephants widely distributed in the Pleistocene |

ANSWERS: 1. hijack, 2. mammoth, 3. shove, 4. hijack, 5. leash, 6. drown, 7. accuse, 8. hefty, 9. mammoth

10. di____d organism *adj.* relating to a cell or organism with two complete sets of chromosomes (= long, thread-like molecules made of DNA and proteins); (noun) cells that contain two complete sets of chromosomes, one from each parent
11. dr__n in a bath *v.* to die or cause to die by being unable to breathe underwater
12. walk on a le__h *n.* a long, flexible cord or chain used to restrain or control a dog (or other animals); a figurative tool used to control or limit someone's behavior or actions
13. hom_____us structures *adj.* having the same or similar structure, position, or function, particularly in different species or organisms; related by common ancestry
14. ant_____ize animals *v.* to attribute human characteristics, emotions, and abilities to non-human entities
15. in___t other animal species *v.* to affect a person, an animal, or a plant with a disease-causing organism
16. c__w a stick of gum *v.* to crush or grind something, especially food, with the teeth and then swallow it
17. in___t a computer with a virus *v.* to affect a person, an animal, or a plant with a disease-causing organism
18. sheep without a sh____rd *n.* a person who tends and guards sheep, especially in a rural area
19. pe__i dish test *n.* (petri dish) a small, clear, and round dish with a lid used in laboratories, especially for growing bacteria

ANSWERS: 10. diploid, 11. drown, 12. leash, 13. homologous, 14. anthropomorphize, 15. infect, 16. chew, 17. infect, 18. shepherd, 19. petri

20. ac___e each other *v.* to charge or criticize someone with a crime or wrongdoing
21. he__y price *adj.* large, bulky, and heavy; impressively large, substantial, or powerful; large in amount, extent, or significance
22. he__x structure *n.* a three-dimensional spiral shape or structure, particularly like that of a spring or a DNA molecule
23. sh_____rd boy *n.* a person who tends and guards sheep, especially in a rural area
24. bacteria on pe__i dishes *n.* (petri dish) a small, clear, and round dish with a lid used in laboratories, especially for growing bacteria
25. sh__e a person aside *v.* to push someone or something in a rough way
26. hom_____us genes *adj.* having the same or similar structure, position, or function, particularly in different species or organisms; related by common ancestry
27. di_____d nuclei *adj.* relating to a cell or organism with two complete sets of chromosomes (= long, thread-like molecules made of DNA and proteins); (noun) cells that contain two complete sets of chromosomes, one from each parent
28. alpha he__x *n.* a three-dimensional spiral shape or structure, particularly like that of a spring or a DNA molecule
29. fl___y graphics *adj.* attractive or impressive by being bright, expensive, large, etc.; (used especially of clothes) marked by conspicuous display

ANSWERS: 20. accuse, 21. hefty, 22. helix, 23. shepherd, 24. petri, 25. shove, 26. homologous, 27. diploid, 28. helix, 29. flashy

30. c__w each word
31. ant_____ize God
32. fl___y cars
- v. to crush or grind something, especially food, with the teeth and then swallow it
- v. to attribute human characteristics, emotions, and abilities to non-human entities
- adj.* attractive or impressive by being bright, expensive, large, etc.; (used especially of clothes) marked by conspicuous display

ANSWERS: 30. chew, 31. anthropomorphize, 32. flashy

Session 3: Fill in the Blanks

1. My dog loves to _____ on bones.
v. to crush or grind something, especially food, with the teeth and then swallow it

2. The _____ cells contain two sets of chromosomes, one from each parent, allowing for genetic variation.
adj. relating to a cell or organism with two complete sets of chromosomes (= long, thread-like molecules made of DNA and proteins); (noun) cells that contain two complete sets of chromosomes, one from each parent

3. The DNA molecule is shaped like a double _____.
n. a three-dimensional spiral shape or structure, particularly like that of a spring or a DNA molecule

4. Glass _____ dishes are used to culture microorganisms.
n. (petri dish) a small, clear, and round dish with a lid used in laboratories, especially for growing bacteria

5. The witness _____ the defendant of committing the robbery.
v. to charge or criticize someone with a crime or wrongdoing

6. Children often _____ parents with this head cold.
v. to affect a person, an animal, or a plant with a disease-causing organism

7. He forcibly _____ the flyer into my bag.
v. to push someone or something in a rough way

8. He made a desperate effort to _____ an airliner.
v. to seize control of an airplane or other vehicle during an operation, especially with violence

ANSWERS: 1. chew, 2. diploid, 3. helix, 4. petri, 5. accused, 6. infect, 7. shoved, 8. hijack

9. The _____ box of books was too heavy to lift on my own.
adj. large, bulky, and heavy; impressively large, substantial, or powerful; large in amount, extent, or significance
10. The _____ dog helped keep the sheep in line and protect them from predators.
n. a person who tends and guards sheep, especially in a rural area
11. Floods have the potential to _____ any subsurface animals easily.
v. to die or cause to die by being unable to breathe underwater
12. The children _____ their stuffed animals and gave them personalities.
v. to attribute human characteristics, emotions, and abilities to non-human entities
13. The minister decided to review its _____ public works projects.
adj. exceedingly large or extensive; (noun) any of numerous extinct elephants widely distributed in the Pleistocene
14. Make sure to put the _____ on your dog before walking.
n. a long, flexible cord or chain used to restrain or control a dog (or other animals); a figurative tool used to control or limit someone's behavior or actions
15. _____ recombination is a process that can occur during DNA repair.
adj. having the same or similar structure, position, or function, particularly in different species or organisms; related by common ancestry
16. I want to buy a reliable car rather than a _____ one.
adj. attractive or impressive by being bright, expensive, large, etc.; (used especially of clothes) marked by conspicuous display

ANSWERS: 9. hefty, 10. shepherd's, 11. drown, 12. anthropomorphized, 13. mammoth, 14. leash, 15. Homologous, 16. flashy

ANSWERS: