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Vocabulary Builder Reference from...

Arinjay Banerjee: Why bats don't get sick | TED Talk
https://www.ted.com/talks/arinjay_banerjee_why_bats_don_t_get_sick

Advanced Words Only

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Session 1: Word List

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.

rabies

n. a viral disease that affects the nervous system of mammals, including humans; transmitted through the saliva of infected animals, most often through a bite, which can lead to paralysis, seizures, and death if left untreated

synonym : hydrophobia, lyssa

(1) contract **rabies**, (2) **rabies** virus infection

Pet owners need to keep their animals vaccinated against **rabies**.

mammal

n. any animal of which the female gives birth to live young, not eggs, and feeds her young on milk from her own body

(1) a primitive **mammal**, (2) a sort of **mammal**

Marine **mammal** populations are declining worldwide due to ocean pollution.

faze

v. to disturb or disconcert someone, often causing them to lose their confidence or composure; to unsettle, intimidate, or fluster

synonym : disturb, unsettle, bother

(1) **faze** a decision-maker, (2) unlikely to **faze** him

I won't let a little criticism **faze** me from pursuing my dreams.

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**.

controllable

adj. able to be controlled or directed

synonym : manageable, governable, submissive

(1) computer- **controllable**, (2) **controllable** aircraft

The new software is much more **controllable** and user-friendly.

mammalian

adj. of or relating to mammals, a class of warm-blooded vertebrate animals that typically nurse their young and have hair or fur on their skin; characterized by mammalian qualities, such as nurturing and protective behavior

synonym : animal, mammal-like, warm-blooded

(1) **mammalian** embryo, (2) **mammalian** evolution

Mammalian milk is known to be rich in protein and essential vitamins.

overdrive

n. a gear in a vehicle that allows the engine to operate at a higher speed than the vehicle's speed, resulting in greater fuel efficiency and smoother driving; (verb) to drive or work too hard

synonym : high gear, high speed, turbocharge

(1) atrial **overdrive** pacing, (2) go into **overdrive**

The car's **overdrive** function allows it to shift into a higher

gear for better fuel efficiency on the highway.

horde

n. a large group of people or animals, especially one that is chaotic or uncontrolled

synonym : crowd, swarm, mass

(1) **horde** of attackers, (2) the **horde** of shoppers

The **horde** of zombies was approaching quickly.

invade

v. to enter aggressively into another's territory by military force for conquest and occupation

synonym : intrude, raid, overrun

(1) **invade** other tissues, (2) **invade** his privacy

I have no intention to **invade** your privacy.

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.

trait

n. a particular feature of your nature

synonym : attribute, feature, quality

(1) chemical **trait**, (2) personality **traits**

Multiple genes may influence behavioral **traits** concurrently.

dampen

v. to make something wet or moist; to reduce the intensity or impact of something, such as a feeling, sound, or movement

synonym : drench, moisten, saturate

(1) **dampen** the sound, (2) **dampen** the enthusiasm

The rain helped **dampen** the flames of the campfire.

coexist

v. to live or exist together at the same time in the same place

synonym : cohabit, accompany, synchronize

(1) **coexist** with nature, (2) **coexist** with diversity
The different species can **coexist** in the same ecosystem by filling different niches and using different resources.

counteract

v. to act against something to reduce its bad or harmful effects or neutralize it

synonym: balance, offset, compensate

(1) **counteract** the effect of poison, (2) **counteract** global warming

Our body's immune system produces antibodies to **counteract** disease.

telomere

n. a structure that protects the terminal regions of chromosome

(1) **telomere** length, (2) **telomere** protein

Cancer cells are thought to be able to proliferate indefinitely because of the activation of **telomere** synthase.

lifespan

n. the length of time for which a person, animal lives, or thing exists

synonym: duration, lifetime, continuance

(1) **lifespan** extension, (2) **lifespan** retrieval curve

Generally speaking, men have a shorter **lifespan** than women.

invincible

adj. incapable of being conquered, defeated, or overcome; unassailable

synonym: unassailable, unbeatable, indomitable

(1) **invincible** army, (2) **invincible** will

The team felt **invincible** after their winning streak.

fungus

n. a type of organism that includes yeasts, molds, and mushrooms, which are heterotrophic, meaning they do not produce their food and must consume organic matter to survive

synonym: mold, mildew, yeast

(1) **fungus** infection, (2) symbiotic **fungus**

Certain types of **fungus** can be toxic to humans, causing severe illness if ingested.

ravage

v. to cause damage to something badly

synonym: devastate, ruin, destroy

(1) **ravage** a country, (2) **ravage** the brain

A large fire **ravaged** the forest.

disrupt

v. to prevent or stop something, especially an event, activity, or process, from continuing in the usual way by causing a problem or disturbance

synonym: interrupt, disturb, break into

(1) **disrupt** a well-ordered condition, (2) **disrupt** sleep

I'm so sorry to **disrupt** you when you're pretty busy.

hibernation

n. a state of inactivity and metabolic depression in animals during the winter

synonym: dormancy, torpor, sleep

(1) **hibernation** period, (2) artificial **hibernation**

Many animals go into **hibernation** during the winter to conserve energy and survive the harsh conditions.

deteriorate

v. to become worse in quality; to decline or degenerate

synonym: decline, degenerate, regress

(1) **deteriorate** at a slow pace, (2) **deteriorate** condition

The patient's health **deteriorated** rapidly after being diagnosed with the disease.

pollination

n. the transfer of pollen from the male reproductive organs of one flower to the female reproductive organs of another flower, resulting in fertilization and the production of seeds

synonym: flowering, fertilization, cross-fertilization

(1) **pollination** by insect, (2) the cross- **pollination** of the arts

The **pollination** process is crucial for the growth and reproduction of many plants.

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.

encroach

v. to advance beyond the usual or acceptable limit gradually and often without being noticed; to infringe upon someone's territory, rights, privacy, etc.

synonym: invade, impinge, infringe

(1) **encroach** on the realm, (2) **encroach** on the habitat of the animal

You have no right to **encroach** on my leisure time.

antiviral

adj. inhibiting or stopping the growth and reproduction of viruses; (noun) any drug that destroys viruses

(1) **antiviral** effect, (2) an **antiviral** agent

The doctor immediately prescribed **antiviral** drugs.

Session 2: Spelling

- | | |
|---|--|
| 1. di_____t a well-ordered condition | <i>v.</i> to prevent or stop something, especially an event, activity, or process, from continuing in the usual way by causing a problem or disturbance |
| 2. inv_____le army | <i>adj.</i> incapable of being conquered, defeated, or overcome; unassailable |
| 3. vi_____nt disease | <i>adj.</i> extremely harmful or poisonous, especially in a physical or biological sense; highly infectious or contagious; intensely bitter or hostile |
| 4. ma_____an evolution | <i>adj.</i> of or relating to mammals, a class of warm-blooded vertebrate animals that typically nurse their young and have hair or fur on their skin; characterized by mammalian qualities, such as nurturing and protective behavior |
| 5. te_____re length | <i>n.</i> a structure that protects the terminal regions of chromosome |
| 6. inv_____le will | <i>adj.</i> incapable of being conquered, defeated, or overcome; unassailable |
| 7. en_____ch on the habitat of the animal | <i>v.</i> to advance beyond the usual or acceptable limit gradually and often without being noticed; to infringe upon someone's territory, rights, privacy, etc. |
| 8. li_____an extension | <i>n.</i> the length of time for which a person, animal lives, or thing exists |
| 9. hib_____on period | <i>n.</i> a state of inactivity and metabolic depression in animals during the winter |

ANSWERS: 1. disrupt, 2. invincible, 3. virulent, 4. mammalian, 5. telomere, 6. invincible, 7. encroach, 8. lifespan, 9. hibernation

10. det_____te at a slow pace *v.* to become worse in quality; to decline or degenerate
11. di_____t sleep *v.* to prevent or stop something, especially an event, activity, or process, from continuing in the usual way by causing a problem or disturbance
12. di_____se the protesters *v.* to spread out or distribute over a broad region, or to cause something to do so
13. computer-con_____ble *adj.* able to be controlled or directed
14. vi_____nt criticism *adj.* extremely harmful or poisonous, especially in a physical or biological sense; highly infectious or contagious; intensely bitter or hostile
15. te_____re protein *n.* a structure that protects the terminal regions of chromosome
16. cou_____ct global warming *v.* to act against something to reduce its bad or harmful effects or neutralize it
17. in_____t other animal species *v.* to affect a person, an animal, or a plant with a disease-causing organism
18. the cross-pol_____on of the arts *n.* the transfer of pollen from the male reproductive organs of one flower to the female reproductive organs of another flower, resulting in fertilization and the production of seeds
19. ra_____e the brain *v.* to cause damage to something badly
20. atrial ov_____ve pacing *n.* a gear in a vehicle that allows the engine to operate at a higher speed than the vehicle's speed, resulting in greater fuel efficiency and smoother driving; (verb) to drive or work too hard

ANSWERS: 10. deteriorate, 11. disrupt, 12. disperse, 13. controllable, 14. virulent, 15. telomere, 16. counteract, 17. infect, 18. pollination, 19. ravage, 20. overdrive

21. en____ch on the realm *v.* to advance beyond the usual or acceptable limit gradually and often without being noticed; to infringe upon someone's territory, rights, privacy, etc.
22. con_____ble aircraft *adj.* able to be controlled or directed
23. a primitive ma___l *n.* any animal of which the female gives birth to live young, not eggs, and feeds her young on milk from her own body
24. contract ra___s *n.* a viral disease that affects the nervous system of mammals, including humans; transmitted through the saliva of infected animals, most often through a bite, which can lead to paralysis, seizures, and death if left untreated
25. in___e his privacy *v.* to enter aggressively into another's territory by military force for conquest and occupation
26. di_____se false information *v.* to spread out or distribute over a broad region, or to cause something to do so
27. the ho__e of shoppers *n.* a large group of people or animals, especially one that is chaotic or uncontrolled
28. da___n the enthusiasm *v.* to make something wet or moist; to reduce the intensity or impact of something, such as a feeling, sound, or movement
29. pol_____on by insect *n.* the transfer of pollen from the male reproductive organs of one flower to the female reproductive organs of another flower, resulting in fertilization and the production of seeds

ANSWERS: 21. encroach, 22. controllable, 23. mammal, 24. rabies, 25. invade, 26. disperse, 27. horde, 28. dampen, 29. pollination

30. det_____te condition *v.* to become worse in quality; to decline or degenerate
31. the pa_____en in the air *n.* a bacterium, virus, or other microorganism that causes disease
32. chemical tr____t *n.* a particular feature of your nature
33. ra____s virus infection *n.* a viral disease that affects the nervous system of mammals, including humans; transmitted through the saliva of infected animals, most often through a bite, which can lead to paralysis, seizures, and death if left untreated
34. co_____t with diversity *v.* to live or exist together at the same time in the same place
35. in____t a computer with a virus *v.* to affect a person, an animal, or a plant with a disease-causing organism
36. unlikely to f___e him *v.* to disturb or disconcert someone, often causing them to lose their confidence or composure; to unsettle, intimidate, or fluster
37. fu____s infection *n.* a type of organism that includes yeasts, molds, and mushrooms, which are heterotrophic, meaning they do not produce their food and must consume organic matter to survive
38. li_____an retrieval curve *n.* the length of time for which a person, animal lives, or thing exists
39. in____e other tissues *v.* to enter aggressively into another's territory by military force for conquest and occupation

ANSWERS: 30. deteriorate, 31. pathogen, 32. trait, 33. rabies, 34. coexist, 35. infect, 36. faze, 37. fungus, 38. lifespan, 39. invade

40. an an_____al agent *adj.* inhibiting or stopping the growth and reproduction of viruses; (noun) any drug that destroys viruses
41. a sort of ma____l *n.* any animal of which the female gives birth to live young, not eggs, and feeds her young on milk from her own body
42. artificial hib_____on *n.* a state of inactivity and metabolic depression in animals during the winter
43. da____n the sound *v.* to make something wet or moist; to reduce the intensity or impact of something, such as a feeling, sound, or movement
44. cou_____ct the effect of poison *v.* to act against something to reduce its bad or harmful effects or neutralize it
45. plant pa____en *n.* a bacterium, virus, or other microorganism that causes disease
46. an_____al effect *adj.* inhibiting or stopping the growth and reproduction of viruses; (noun) any drug that destroys viruses
47. ho__e of attackers *n.* a large group of people or animals, especially one that is chaotic or uncontrolled
48. go into ov_____ve *n.* a gear in a vehicle that allows the engine to operate at a higher speed than the vehicle's speed, resulting in greater fuel efficiency and smoother driving; (verb) to drive or work too hard
49. co_____t with nature *v.* to live or exist together at the same time in the same place

ANSWERS: 40. antiviral, 41. mammal, 42. hibernation, 43. dampen, 44. counteract, 45. pathogen, 46. antiviral, 47. horde, 48. overdrive, 49. coexist

50. symbiotic fu___s *n.* a type of organism that includes yeasts, molds, and mushrooms, which are heterotrophic, meaning they do not produce their food and must consume organic matter to survive
51. f__e a decision-maker *v.* to disturb or disconcert someone, often causing them to lose their confidence or composure; to unsettle, intimidate, or fluster
52. ma_____an embryo *adj.* of or relating to mammals, a class of warm-blooded vertebrate animals that typically nurse their young and have hair or fur on their skin; characterized by mammalian qualities, such as nurturing and protective behavior
53. personality tr__ts *n.* a particular feature of your nature
54. ra___e a country *v.* to cause damage to something badly

ANSWERS: 50. fungus, 51. faze, 52. mammalian, 53. trait, 54. ravage

Session 3: Fill in the Blanks

1. I have no intention to _____ your privacy.
 - v. to enter aggressively into another's territory by military force for conquest and occupation

2. Pet owners need to keep their animals vaccinated against _____.
 - n. a viral disease that affects the nervous system of mammals, including humans; transmitted through the saliva of infected animals, most often through a bite, which can lead to paralysis, seizures, and death if left untreated

3. Many animals go into _____ during the winter to conserve energy and survive the harsh conditions.
 - n. a state of inactivity and metabolic depression in animals during the winter

4. The car's _____ function allows it to shift into a higher gear for better fuel efficiency on the highway.
 - n. a gear in a vehicle that allows the engine to operate at a higher speed than the vehicle's speed, resulting in greater fuel efficiency and smoother driving; (verb) to drive or work too hard

5. The rain helped _____ the flames of the campfire.
 - v. to make something wet or moist; to reduce the intensity or impact of something, such as a feeling, sound, or movement

6. mRNA vaccines are approved faster because they do not contain inactivated _____.
 - n. a bacterium, virus, or other microorganism that causes disease

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

ANSWERS: 1. invade, 2. rabies, 3. hibernation, 4. overdrive, 5. dampen, 6. pathogens, 7. dispersed

8. I'm so sorry to _____ you when you're pretty busy.
- v. to prevent or stop something, especially an event, activity, or process, from continuing in the usual way by causing a problem or disturbance
9. The _____ of zombies was approaching quickly.
- n. a large group of people or animals, especially one that is chaotic or uncontrolled
10. The different species can _____ in the same ecosystem by filling different niches and using different resources.
- v. to live or exist together at the same time in the same place
11. The patient's health _____ rapidly after being diagnosed with the disease.
- v. to become worse in quality; to decline or degenerate
12. The _____ process is crucial for the growth and reproduction of many plants.
- n. the transfer of pollen from the male reproductive organs of one flower to the female reproductive organs of another flower, resulting in fertilization and the production of seeds
13. Children often _____ parents with this head cold.
- v. to affect a person, an animal, or a plant with a disease-causing organism
14. The team felt _____ after their winning streak.
- adj. incapable of being conquered, defeated, or overcome; unassailable
15. A large fire _____ the forest.
- v. to cause damage to something badly

ANSWERS: 8. disrupt, 9. horde, 10. coexist, 11. deteriorated, 12. pollination, 13. infect, 14. invincible, 15. ravaged

16. The doctor immediately prescribed _____ drugs.

adj. inhibiting or stopping the growth and reproduction of viruses; (noun) any drug that destroys viruses

17. Our body's immune system produces antibodies to _____ disease.

v. to act against something to reduce its bad or harmful effects or neutralize it

18. Multiple genes may influence behavioral _____ concurrently.

n. a particular feature of your nature

19. _____ milk is known to be rich in protein and essential vitamins.

adj. of or relating to mammals, a class of warm-blooded vertebrate animals that typically nurse their young and have hair or fur on their skin; characterized by mammalian qualities, such as nurturing and protective behavior

20. Certain types of _____ can be toxic to humans, causing severe illness if ingested.

n. a type of organism that includes yeasts, molds, and mushrooms, which are heterotrophic, meaning they do not produce their food and must consume organic matter to survive

21. I won't let a little criticism _____ me from pursuing my dreams.

v. to disturb or disconcert someone, often causing them to lose their confidence or composure; to unsettle, intimidate, or fluster

22. Marine _____ populations are declining worldwide due to ocean pollution.

n. any animal of which the female gives birth to live young, not eggs, and feeds her young on milk from her own body

23. The new software is much more _____ and user-friendly.

adj. able to be controlled or directed

ANSWERS: 16. antiviral, 17. counteract, 18. traits, 19. Mammalian, 20. fungus, 21. faze, 22. mammal, 23. controllable

24. You have no right to _____ on my leisure time.

v. to advance beyond the usual or acceptable limit gradually and often without being noticed; to infringe upon someone's territory, rights, privacy, etc.

25. Generally speaking, men have a shorter _____ than women.

n. the length of time for which a person, animal lives, or thing exists

26. 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

27. Cancer cells are thought to be able to proliferate indefinitely because of the activation of _____ synthase.

n. a structure that protects the terminal regions of chromosome

ANSWERS: 24. encroach, 25. lifespan, 26. virulent, 27. telomere