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Vocabulary Builder Reference from...

Pardis Sabeti and Christian Happi: A virus detection network to stop the next pandemic | TED Talk
https://www.ted.com/talks/pardis_sabeti_and_christian_happi_a_virus_detection_network_to_stop_the_next_pandemic

Advanced Words Only

IMPORTANT

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Session 1: Word List

Christ

n. the man that Christians believe is the prophet and the son of God, and whose life and sermons form the basis for Christianity

synonym : Savior, Jesus Christ, Jesus

(1) teaching of **Christ**, (2) before **Christ**

Christmas is the day to celebrate the birth of Christ.

audacious

adj. showing a willingness to take bold risks or to do something that is considered unconventional or daring; marked by originality, creativity, or boldness

synonym : bold, daring, fearless

(1) **audacious** stunt, (2) **audacious** decision

The young entrepreneur had an **audacious** plan to start his own company.

sentinel

n. a person or thing that stands guard or keeps watch; a soldier or guard who stands watch to provide security

synonym : guard, watchman, lookout

(1) **sentinel** duty, (2) **sentinel** lymph node

The security camera acted as a **sentinel**, monitoring the area for suspicious activity.

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.

preempt

v. to act in advance to prevent something or to replace it with something else

synonym : forestall, head off, anticipate

(1) **preempt** a financial crisis, (2) **preempt** trouble

The government **preempted** the release of sensitive information.

microbe

n. a tiny living thing that can only be seen with a microscope and that may cause disease

synonym : germ, microorganism, bacterium

(1) pathogenic **microbe**, (2) **microbes** sterilizer

Microbes thrive on the surface of the human skin.

frontline

adj. in the most critical or dangerous position; in the military line or part of an army closest to the enemy

synonym : battlefield, cutting edge

(1) **frontline** health workers, (2) at the **frontline** of the war

Within days, the new aircraft was in **frontline** service.

clinician

n. a practitioner, especially of medicine or psychology, who has direct contact with patients

synonym : psychiatrist, therapist, doctor

(1) experienced **clinician**, (2) from a **clinician's** perspective

Some **clinicians** believe that psychological characteristics alone may cause mental disorders.

empower

v. to give someone the power or authority to do something

synonym : authorize, endow, entitle

(1) **empower** my life, (2) **empower** the secretary to do the same

The company **empowered** employees to buy low-price items without approval to achieve efficient purchasing.

throe

n. a severe or intense spasm of pain, such as a pang of childbirth or the spasms of a dying person; a period of intense stress or difficulty

synonym: spasm, pang, throb

(1) the **throes** of a financial crisis, (2) **throes** of death

She writhed in the **throes** of pain during labor.

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.

heartbreak

n. a feeling of great sadness or disappointment

synonym: grief, sorrow, bitterness

(1) ease her **heartbreak**, (2) go through **heartbreak**

They had experienced the **heartbreak** of losing two children due to premature births.

unprepared

adj. not properly or adequately prepared; lacking preparation; not ready

synonym: inexperienced, caught off-guard, ill-equipped

(1) **unprepared** speech, (2) **unprepared** for the exam

The **unprepared** student struggled on the test and received a low grade.

preemption

n. the act of taking action or claiming possession of something before someone else can, often with the legal authority to do so; the displacement of something by

something else; the right of a state to regulate matters within its jurisdiction

synonym : precedence, seizure, takeover

(1) **preemption** rights, (2) **preemption** clause

The **preemption** of the company's intellectual property prevented competitors from stealing their ideas.

multiplex

n. a cinema complex with several screens or theaters showing different films at the same time; an electronic device that allows several signals to be transmitted or processed simultaneously through a single channel; (adjective) relating to or consisting of multiple interconnected parts or elements

synonym : multiplexer, complex, cinema

(1) **multiplex** telegraphy, (2) **multiplex** DNA analysis

The new **multiplex** cinema has 12 screens showing the latest movies.

dashboard

n. a control panel set within the central console of a vehicle or small aircraft; a diagram that depicts critical information, typically one that provides a business overview

synonym : control panel

(1) auto **dashboard**, (2) business **dashboard**

He noticed that the oil warning light on the **dashboard** of his car had turned on.

turnaround

n. the amount of time needed to prepare a vessel or ship for a return trip; a change or improvement in the condition, performance, or affairs of something

synonym : recovery, improvement, reversal

(1) miraculous **turnaround**, (2) **turnaround** strategy

The company's **turnaround** was a result of new management strategies.

nonstop

adj. without intermediate stops between source and destination

synonym : continuous, ceaseless, endless

(1) a **nonstop** run, (2) **nonstop** talk

We tend to choose **nonstop** flights when we travel.

trench

n. a long, deep ditch made in the ground, usually parallel to a plate boundary and marking a subduction zone; a long ditch built in the ground for carrying away water

synonym : aqueduct, ditch, channel

(1) deep-sea **trench**, (2) **trench** excavator

A **trench** was being dug alongside the road by workers.

profoundly

adv. to a great or complete degree; deeply

synonym : deeply, greatly, completely

(1) **profoundly** insightful, (2) sleep **profoundly**

The novel affected her **profoundly**, causing her to question her beliefs and values.

ingenious

adj. showing inventiveness and ability or skill

synonym : creative, innovative, inventive

(1) **ingenious** device, (2) **ingenious** idea

I always look forward to reading his stories since they're so **ingenious**.

courageous

adj. able to face and deal with danger or fear without flinching

synonym : brave, valiant, fearless

(1) make a **courageous** decision, (2) **courageous** rescue attempt

He was a **courageous** soldier who had served his country with honor.

Session 2: Spelling

1. in_____us idea *adj.* showing inventiveness and ability or skill
2. mu_____ex DNA analysis *n.* a cinema complex with several screens or theaters showing different films at the same time; an electronic device that allows several signals to be transmitted or processed simultaneously through a single channel; (adjective) relating to or consisting of multiple interconnected parts or elements
3. em_____r the secretary to do the same *v.* to give someone the power or authority to do something
4. pr_____t trouble *v.* to act in advance to prevent something or to replace it with something else
5. at the fr_____ne of the war *adj.* in the most critical or dangerous position; in the military line or part of an army closest to the enemy
6. se_____el lymph node *n.* a person or thing that stands guard or keeps watch; a soldier or guard who stands watch to provide security
7. mu_____ex telegraphy *n.* a cinema complex with several screens or theaters showing different films at the same time; an electronic device that allows several signals to be transmitted or processed simultaneously through a single channel; (adjective) relating to or consisting of multiple interconnected parts or elements

ANSWERS: 1. ingenious, 2. multiplex, 3. empower, 4. preempt, 5. frontline, 6. sentinel, 7. multiplex

8. cou_____us rescue attempt *adj.* able to face and deal with danger or fear without flinching
9. pr_____t a financial crisis *v.* to act in advance to prevent something or to replace it with something else
10. tur_____nd strategy *n.* the amount of time needed to prepare a vessel or ship for a return trip; a change or improvement in the condition, performance, or affairs of something
11. in_____us device *adj.* showing inventiveness and ability or skill
12. au_____us stunt *adj.* showing a willingness to take bold risks or to do something that is considered unconventional or daring; marked by originality, creativity, or boldness
13. mi_____es sterilizer *n.* a tiny living thing that can only be seen with a microscope and that may cause disease
14. pre_____on clause *n.* the act of taking action or claiming possession of something before someone else can, often with the legal authority to do so; the displacement of something by something else; the right of a state to regulate matters within its jurisdiction
15. business da_____rd *n.* a control panel set within the central console of a vehicle or small aircraft; a diagram that depicts critical information, typically one that provides a business overview
16. flu pa_____ic *n.* an outbreak of a disease that affects many people over a very wide area

ANSWERS: 8. courageous, 9. preempt, 10. turnaround, 11. ingenious, 12. audacious, 13. microbe, 14. preemption, 15. dashboard, 16. pandemic

17. unp_____ed for the exam *adj.* not properly or adequately prepared; lacking preparation; not ready
18. pathogenic mi_____e *n.* a tiny living thing that can only be seen with a microscope and that may cause disease
19. auto da_____rd *n.* a control panel set within the central console of a vehicle or small aircraft; a diagram that depicts critical information, typically one that provides a business overview
20. se_____el duty *n.* a person or thing that stands guard or keeps watch; a soldier or guard who stands watch to provide security
21. au_____us decision *adj.* showing a willingness to take bold risks or to do something that is considered unconventional or daring; marked by originality, creativity, or boldness
22. a no_____p run *adj.* without intermediate stops between source and destination
23. no_____p talk *adj.* without intermediate stops between source and destination
24. the th__es of a financial crisis *n.* a severe or intense spasm of pain, such as a pang of childbirth or the spasms of a dying person; a period of intense stress or difficulty
25. before Ch____t *n.* the man that Christians believe is the prophet and the son of God, and whose life and sermons form the basis for Christianity

ANSWERS: 17. unprepared, 18. microbe, 19. dashboard, 20. sentinel, 21. audacious, 22. nonstop, 23. nonstop, 24. throe, 25. Christ

26. fr_____ne health workers *adj.* in the most critical or dangerous position; in the military line or part of an army closest to the enemy
27. experienced cl_____an *n.* a practitioner, especially of medicine or psychology, who has direct contact with patients
28. go through hea_____ak *n.* a feeling of great sadness or disappointment
29. from a cl_____an's perspective *n.* a practitioner, especially of medicine or psychology, who has direct contact with patients
30. 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
31. pre_____on rights *n.* the act of taking action or claiming possession of something before someone else can, often with the legal authority to do so; the displacement of something by something else; the right of a state to regulate matters within its jurisdiction
32. em_____r my life *v.* to give someone the power or authority to do something
33. tr____h excavator *n.* a long, deep ditch made in the ground, usually parallel to a plate boundary and marking a subduction zone; a long ditch built in the ground for carrying away water

ANSWERS: 26. frontline, 27. clinician, 28. heartbreak, 29. clinician, 30. coronavirus, 31. preemption, 32. empower, 33. trench

34. th__es of death *n.* a severe or intense spasm of pain, such as a pang of childbirth or the spasms of a dying person; a period of intense stress or difficulty
35. teaching of Ch___t *n.* the man that Christians believe is the prophet and the son of God, and whose life and sermons form the basis for Christianity
36. global pa____ic *n.* an outbreak of a disease that affects many people over a very wide area
37. make a cou_____us decision *adj.* able to face and deal with danger or fear without flinching
38. sleep pro_____ly *adv.* to a great or complete degree; deeply
39. deep-sea tr___h *n.* a long, deep ditch made in the ground, usually parallel to a plate boundary and marking a subduction zone; a long ditch built in the ground for carrying away water
40. miraculous tur_____nd *n.* the amount of time needed to prepare a vessel or ship for a return trip; a change or improvement in the condition, performance, or affairs of something
41. ease her hea_____ak *n.* a feeling of great sadness or disappointment
42. unpre_____ed speech *adj.* not properly or adequately prepared; lacking preparation; not ready
43. cor_____us bankruptcy *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: 34. throe, 35. Christ, 36. pandemic, 37. courageous, 38. profoundly, 39. trench, 40. turnaround, 41. heartbreak, 42. unprepared, 43. coronavirus

44. pro_____ly insightful

adv. to a great or complete degree; deeply

ANSWERS: 44. profoundly

Session 3: Fill in the Blanks

1. The young entrepreneur had an _____ plan to start his own company.
adj. showing a willingness to take bold risks or to do something that is considered unconventional or daring; marked by originality, creativity, or boldness
2. We tend to choose _____ flights when we travel.
adj. without intermediate stops between source and destination
3. She writhed in the _____ of pain during labor.
n. a severe or intense spasm of pain, such as a pang of childbirth or the spasms of a dying person; a period of intense stress or difficulty
4. The company's _____ was a result of new management strategies.
n. the amount of time needed to prepare a vessel or ship for a return trip; a change or improvement in the condition, performance, or affairs of something
5. They had experienced the _____ of losing two children due to premature births.
n. a feeling of great sadness or disappointment
6. The new _____ cinema has 12 screens showing the latest movies.
n. a cinema complex with several screens or theaters showing different films at the same time; an electronic device that allows several signals to be transmitted or processed simultaneously through a single channel; (adjective) relating to or consisting of multiple interconnected parts or elements
7. I always look forward to reading his stories since they're so _____.
adj. showing inventiveness and ability or skill

ANSWERS: 1. audacious, 2. nonstop, 3. throes, 4. turnaround, 5. heartbreak, 6. multiplex, 7. ingenious

8. The _____ of the company's intellectual property prevented competitors from stealing their ideas.
- n.* the act of taking action or claiming possession of something before someone else can, often with the legal authority to do so; the displacement of something by something else; the right of a state to regulate matters within its jurisdiction
9. They fear a _____ of a new type of virus.
- n.* an outbreak of a disease that affects many people over a very wide area
10. The novel affected her _____ causing her to question her beliefs and values.
- adv.* to a great or complete degree; deeply
11. A _____ was being dug alongside the road by workers.
- n.* a long, deep ditch made in the ground, usually parallel to a plate boundary and marking a subduction zone; a long ditch built in the ground for carrying away water
12. The company _____ employees to buy low-price items without approval to achieve efficient purchasing.
- v.* to give someone the power or authority to do something
13. Some _____ believe that psychological characteristics alone may cause mental disorders.
- n.* a practitioner, especially of medicine or psychology, who has direct contact with patients
14. _____ is the day to celebrate the birth of Christ.
- n.* the man that Christians believe is the prophet and the son of God, and whose life and sermons form the basis for Christianity

ANSWERS: 8. preemption, 9. pandemic, 10. profoundly, 11. trench, 12. empowered, 13. clinicians, 14. Christmas

15. Within days, the new aircraft was in _____ service.

adj. in the most critical or dangerous position; in the military line or part of an army closest to the enemy

16. 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

17. The _____ student struggled on the test and received a low grade.

adj. not properly or adequately prepared; lacking preparation; not ready

18. _____ thrive on the surface of the human skin.

n. a tiny living thing that can only be seen with a microscope and that may cause disease

19. The security camera acted as a _____ monitoring the area for suspicious activity.

n. a person or thing that stands guard or keeps watch; a soldier or guard who stands watch to provide security

20. The government _____ the release of sensitive information.

v. to act in advance to prevent something or to replace it with something else

21. He noticed that the oil warning light on the _____ of his car had turned on.

n. a control panel set within the central console of a vehicle or small aircraft; a diagram that depicts critical information, typically one that provides a business overview

ANSWERS: 15. frontline, 16. coronavirus, 17. unprepared, 18. Microbes, 19. sentinel, 20. preempted, 21. dashboard

22. He was a _____ soldier who had served his country with honor.

adj. able to face and deal with danger or fear without flinching

ANSWERS: 22. courageous