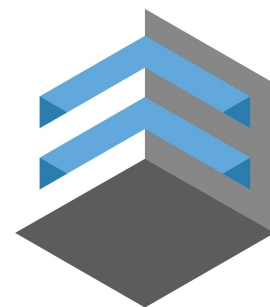


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Vocabulary Builder Reference from...

Christopher E. Gaw: What causes seizures, and how can we treat them? | TED Talk

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

Advanced Words Only

IMPORTANT

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Session 1: Word List

twitch

v. to make a sudden and quick movement with a part of the body; (noun) a sudden, small, jerky movement of a muscle or part of the body

synonym: spasm, jerk, flinch

(1) **twitch** at his sleeve, (2) **twitch** of an eye

She couldn't stop her leg from **twitching** nervously.

convulsion

n. a violent, involuntary contraction or shaking of the muscles, especially those in the limbs or face; a sudden, intense, and often violent disturbance or upheaval

synonym: paroxysm, seizure, turmoil

(1) clonic **convulsion**, (2) economic **convulsion**

The patient's **convulsions** were a side effect of their medication.

afflict

v. to cause pain, suffering, or distress to someone or something

synonym: trouble, distress, bother

(1) **afflict** with the plague, (2) **afflict** the economy

The disease can **afflict** both humans and animals.

medicinal

adj. of or relating to the treatment or cure of disease

synonym: curative, therapeutic, healing

(1) **medicinal** chemistry, (2) traditional **medicinal**

The **medicinal** properties of this herb have been known to help with various ailments.

affliction

n. a condition of physical or mental suffering or distress, often caused by illness, injury, or other adversity; a burden or trouble that causes hardship or grief

synonym : anguish, distress, suffering

(1) mental **affliction**, (2) autoimmune **affliction**

Chronic pain can be a debilitating **affliction** that affects every aspect of one's life.

trepanation

n. a surgical procedure involving drilling or cutting a hole into the skull to expose the brain, typically to relieve intracranial pressure or for ritual purposes in ancient cultures

synonym : cranial perforation, borehole operation

(1) **trepanation** surgery, (2) **trepanation** hole

The ancient practice of **trepanation** involved drilling a hole in the skull to treat various medical conditions.

sizable

adj. large in size or amount

synonym : large, significant, considerable

(1) **sizable** portion, (2) **sizable** audience

He has a **sizable** fortune and is one of the wealthiest people in the city.

germ

n. a very tiny living that causes the disease; a piece of something such as an organism, concept, etc., capable of growing into a new one or part of one

synonym : bacterium, microbe, pathogen

(1) antibiotic-resistant **germ**, (2) a **germ-free** environment

The **germ** of his idea came from watching birds flying in flocks.

electrify

v. to make a machine or system work by using electricity; to make someone extremely enthusiastic about or

interested in something

synonym : wire, amaze, astonish

(1) **electrify** the audience, (2) **electrify** a manufacturing process

The product developed through years of research continues to **electrify** the market.

neuron

n. a cell that is specialized to carry information within the brain and between the brain and other parts of the body

synonym : nerve cell

(1) excite the **neurons**, (2) **neuron** cell body

Our body transfers information along each **neuron** using an electrical impulse.

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.

misfire

v. to fail to ignite or explode as intended

synonym : fail, miscarry

(1) **misfire** weapon, (2) **misfire** engine

The engine **misfired** and caused the car to stall.

hypothesize

v. to form or present a theory or explanation without sufficient evidence; to speculate

synonym : speculate, theorize, conjecture

(1) **hypothesize** as to outcomes, (2) **hypothesize** what could have happened

Scientists **hypothesize** that the new fish species evolved to survive in deep-sea environments.

sedative

n. a drug or medication that has a calming or sleep-inducing effect on the body and mind; something that soothes or pacifies

synonym: calmative, tranquilizer, sleeping pill

(1) **sedative** medication, (2) take a **sedative**

The doctor prescribed a **sedative** to help me sleep.

overactive

adj. excessively active; showing an excess of activity or energy

synonym: hyperactive, frantic, restless

(1) **overactive** imagination, (2) **overactive** thyroid

The medication caused an **overactive** immune system, resulting in adverse side effects.

bromide

n. a trite or commonplace remark or notion; a chemical compound containing bromine (Br), formerly used as a sedative

synonym: platitude, sedative, sleeping pill

(1) silver **bromide**, (2) **bromide** solution

The doctor prescribed a **bromide** medication to help calm the patient's anxiety.

victor

n. one who wins a game, competition, election, war, etc.

synonym: winner, conqueror, champion

(1) **victor** country, (2) the outright **victor**

The **victor** of the race was the favorite to win.

craniotomy

n. a surgical operation to remove part of the bone from the skull, usually to allow access to the brain for diagnostic or therapeutic purposes

synonym: brain surgery, head surgery, skull operation

(1) **craniotomy** procedure, (2) **craniotomy** incision

The patient underwent a **craniotomy** to remove a brain tumor.

scar

n. a mark that remains on the skin after a wound has healed

synonym : blemish, imperfection, blotch

(1) burn **scar**, (2) carry a **scar**

Even after the wound has healed, a **scar** remains.

improvisation

n. the act of making something up on the spot or creating or performing something without preparation

synonym : spontaneity, ad-lib, extemporization

(1) **improvisation** on stage, (2) jazz **improvisation**

He created a beautiful piece of music using only **improvisation**.

pinpoint

v. to locate or identify the exact position in space or time of something

synonym : name, direct, identify

(1) **pinpoint** the problem, (2) **pinpoint** signs of manipulation

This radar quickly **pinpoints** the position of the enemy.

elusive

adj. difficult to find, define, achieve, or remember

synonym : mysterious, ambiguous, inapproachable

(1) an **elusive** criminal, (2) track down an **elusive** fact

The physicist who found the **elusive** particle won the Nobel Prize.

seize

v. to catch or take hold of someone or something suddenly and forcibly; to capture the attention or imagination of something

synonym : grab, grasp, capture

(1) **seize** a person's property, (2) **seize** the day

He has the superpower to **seize** a business opportunity.

airway

n. the air passage from the nose and throat to the lungs; a designated route followed by airplanes flying from one airport to another

synonym : air passage, air duct, skyway

(1) **airway** blockage, (2) **airway** beacon

When performing lifesaving, the first step is to secure the

airway.

Session 2: Spelling

1. silver br____e
n. a trite or commonplace remark or notion; a chemical compound containing bromine (Br), formerly used as a sedative
2. burn s__r
n. a mark that remains on the skin after a wound has healed
3. se__e a person's property
v. to catch or take hold of someone or something suddenly and forcibly; to capture the attention or imagination of something
4. tw___h of an eye
v. to make a sudden and quick movement with a part of the body; (noun) a sudden, small, jerky movement of a muscle or part of the body
5. an el____e criminal
adj. difficult to find, define, achieve, or remember
6. antibiotic-resistant g__m
n. a very tiny living that causes the disease; a piece of something such as an organism, concept, etc., capable of growing into a new one or part of one
7. carry a s__r
n. a mark that remains on the skin after a wound has healed
8. pi____nt signs of manipulation
v. to locate or identify the exact position in space or time of something
9. ai___y beacon
n. the air passage from the nose and throat to the lungs; a designated route followed by airplanes flying from one airport to another

ANSWERS: 1. bromide, 2. scar, 3. seize, 4. twitch, 5. elusive, 6. germ, 7. scar, 8. pinpoint, 9. airway

- | | | |
|---|------|---|
| 10. se__e the day | v. | to catch or take hold of someone or something suddenly and forcibly; to capture the attention or imagination of something |
| 11. hyp_____ze what could have happened | v. | to form or present a theory or explanation without sufficient evidence; to speculate |
| 12. mi_____e engine | v. | to fail to ignite or explode as intended |
| 13. excite the ne___ns | n. | a cell that is specialized to carry information within the brain and between the brain and other parts of the body |
| 14. vi___r country | n. | one who wins a game, competition, election, war, etc. |
| 15. el_____fy a manufacturing process | v. | to make a machine or system work by using electricity; to make someone extremely enthusiastic about or interested in something |
| 16. si_____e audience | adj. | large in size or amount |
| 17. br_____e solution | n. | a trite or commonplace remark or notion; a chemical compound containing bromine (Br), formerly used as a sedative |
| 18. af_____t with the plague | v. | to cause pain, suffering, or distress to someone or something |
| 19. si_____e portion | adj. | large in size or amount |
| 20. tre_____on surgery | n. | a surgical procedure involving drilling or cutting a hole into the skull to expose the brain, typically to relieve intracranial pressure or for ritual purposes in ancient cultures |

ANSWERS: 10. seize, 11. hypothesize, 12. misfire, 13. neuron, 14. victor, 15. electrify, 16. sizable, 17. bromide, 18. afflict, 19. sizable, 20. trepanation

21. ne___n cell body *n.* a cell that is specialized to carry information within the brain and between the brain and other parts of the body
22. tw___h at his sleeve *v.* to make a sudden and quick movement with a part of the body; (noun) a sudden, small, jerky movement of a muscle or part of the body
23. tre_____on hole *n.* a surgical procedure involving drilling or cutting a hole into the skull to expose the brain, typically to relieve intracranial pressure or for ritual purposes in ancient cultures
24. ove_____ve imagination *adj.* excessively active; showing an excess of activity or energy
25. hyp_____ze as to outcomes *v.* to form or present a theory or explanation without sufficient evidence; to speculate
26. autoimmune aff_____on *n.* a condition of physical or mental suffering or distress, often caused by illness, injury, or other adversity; a burden or trouble that causes hardship or grief
27. mi_____e weapon *v.* to fail to ignite or explode as intended
28. mental aff_____on *n.* a condition of physical or mental suffering or distress, often caused by illness, injury, or other adversity; a burden or trouble that causes hardship or grief

ANSWERS: 21. neuron, 22. twitch, 23. trepanation, 24. overactive, 25. hypothesize, 26. affliction, 27. misfire, 28. affliction

29. clonic con_____on *n.* a violent, involuntary contraction or shaking of the muscles, especially those in the limbs or face; a sudden, intense, and often violent disturbance or upheaval
30. take a se_____ve *n.* a drug or medication that has a calming or sleep-inducing effect on the body and mind; something that soothes or pacifies
31. af_____t the economy *v.* to cause pain, suffering, or distress to someone or something
32. a det_____nt of crop yields *n.* a factor, circumstance, or condition that contributes to the shaping, influencing, or determining of a particular outcome or result
33. ai____y blockage *n.* the air passage from the nose and throat to the lungs; a designated route followed by airplanes flying from one airport to another
34. a g__m-free environment *n.* a very tiny living that causes the disease; a piece of something such as an organism, concept, etc., capable of growing into a new one or part of one
35. el_____fy the audience *v.* to make a machine or system work by using electricity; to make someone extremely enthusiastic about or interested in something
36. pi_____nt the problem *v.* to locate or identify the exact position in space or time of something
37. cra_____my procedure *n.* a surgical operation to remove part of the bone from the skull, usually to allow access to the brain for diagnostic or therapeutic purposes

ANSWERS: 29. convulsion, 30. sedative, 31. afflict, 32. determinant, 33. airway, 34. germ, 35. electrify, 36. pinpoint, 37. craniotomy

38. cra_____my incision *n.* a surgical operation to remove part of the bone from the skull, usually to allow access to the brain for diagnostic or therapeutic purposes
39. the outright vi____r *n.* one who wins a game, competition, election, war, etc.
40. track down an el_____e fact *adj.* difficult to find, define, achieve, or remember
41. traditional me_____al *adj.* of or relating to the treatment or cure of disease
42. environmental det_____nt *n.* a factor, circumstance, or condition that contributes to the shaping, influencing, or determining of a particular outcome or result
43. jazz imp_____ion *n.* the act of making something up on the spot or creating or performing something without preparation
44. economic con_____on *n.* a violent, involuntary contraction or shaking of the muscles, especially those in the limbs or face; a sudden, intense, and often violent disturbance or upheaval
45. me_____al chemistry *adj.* of or relating to the treatment or cure of disease
46. ove_____ve thyroid *adj.* excessively active; showing an excess of activity or energy
47. imp_____ion on stage *n.* the act of making something up on the spot or creating or performing something without preparation

ANSWERS: 38. craniotomy, 39. victor, 40. elusive, 41. medicinal, 42. determinant, 43. improvisation, 44. convulsion, 45. medicinal, 46. overactive, 47. improvisation

48. se____ve medication

n. a drug or medication that has a calming or sleep-inducing effect on the body and mind; something that soothes or pacifies

ANSWERS: 48. sedative

Session 3: Fill in the Blanks

1. He has a _____ fortune and is one of the wealthiest people in the city.
adj. large in size or amount
2. Our body transfers information along each _____ using an electrical impulse.
n. a cell that is specialized to carry information within the brain and between the brain and other parts of the body
3. When performing lifesaving, the first step is to secure the _____.
n. the air passage from the nose and throat to the lungs; a designated route followed by airplanes flying from one airport to another
4. The patient's _____ were a side effect of their medication.
n. a violent, involuntary contraction or shaking of the muscles, especially those in the limbs or face; a sudden, intense, and often violent disturbance or upheaval
5. The ancient practice of _____ involved drilling a hole in the skull to treat various medical conditions.
n. a surgical procedure involving drilling or cutting a hole into the skull to expose the brain, typically to relieve intracranial pressure or for ritual purposes in ancient cultures
6. Chronic pain can be a debilitating _____ that affects every aspect of one's life.
n. a condition of physical or mental suffering or distress, often caused by illness, injury, or other adversity; a burden or trouble that causes hardship or grief
7. The disease can _____ both humans and animals.
v. to cause pain, suffering, or distress to someone or something

ANSWERS: 1. sizable, 2. neuron, 3. airway, 4. convulsions, 5. trepanation, 6. affliction, 7. afflict

8. The product developed through years of research continues to _____ the market.
- v.* to make a machine or system work by using electricity; to make someone extremely enthusiastic about or interested in something
9. Scientists _____ that the new fish species evolved to survive in deep-sea environments.
- v.* to form or present a theory or explanation without sufficient evidence; to speculate
10. The doctor prescribed a _____ to help me sleep.
- n.* a drug or medication that has a calming or sleep-inducing effect on the body and mind; something that soothes or pacifies
11. The _____ of the race was the favorite to win.
- n.* one who wins a game, competition, election, war, etc.
12. She couldn't stop her leg from _____ nervously.
- v.* to make a sudden and quick movement with a part of the body; (noun) a sudden, small, jerky movement of a muscle or part of the body
13. The medication caused an _____ immune system, resulting in adverse side effects.
- adj.* excessively active; showing an excess of activity or energy
14. 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

ANSWERS: 8. electrify, 9. hypothesize, 10. sedative, 11. victor, 12. twitching, 13. overactive, 14. determinant

15. The patient underwent a _____ to remove a brain tumor.
n. a surgical operation to remove part of the bone from the skull, usually to allow access to the brain for diagnostic or therapeutic purposes
16. The engine _____ and caused the car to stall.
v. to fail to ignite or explode as intended
17. The doctor prescribed a _____ medication to help calm the patient's anxiety.
n. a trite or commonplace remark or notion; a chemical compound containing bromine (Br), formerly used as a sedative
18. The physicist who found the _____ particle won the Nobel Prize.
adj. difficult to find, define, achieve, or remember
19. Even after the wound has healed, a _____ remains.
n. a mark that remains on the skin after a wound has healed
20. The _____ properties of this herb have been known to help with various ailments.
adj. of or relating to the treatment or cure of disease
21. He created a beautiful piece of music using only _____.
n. the act of making something up on the spot or creating or performing something without preparation
22. The _____ of his idea came from watching birds flying in flocks.
n. a very tiny living that causes the disease; a piece of something such as an organism, concept, etc., capable of growing into a new one or part of one

ANSWERS: 15. craniotomy, 16. misfired, 17. bromide, 18. elusive, 19. scar, 20. medicinal, 21. improvisation, 22. germ

23. This radar quickly _____ the position of the enemy.

v. to locate or identify the exact position in space or time of something

24. He has the superpower to _____ a business opportunity.

v. to catch or take hold of someone or something suddenly and forcibly; to capture the attention or imagination of something

ANSWERS: 23. pinpoints, 24. seize