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Vocabulary Builder Reference from...

Carolyn Bertozzi: What the sugar coating on your cells is trying to tell you | TED Talk

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

Advanced Words Only

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Session 1: Word List

weep

v. to cry tears because of sadness, rage, or pain

synonym: cry, sob, mourn

(1) **weep** bitter tears, (2) **weep** for joy

I'm easily moved to tears, so I would **weep** in sympathy if I saw that movie.

willow

n. a deciduous tree or shrub that is often found near water, characterized by long, flexible, and slender branches and narrow leaves

synonym: sallow, osier, saugh

(1) weeping **willow**, (2) **willow** overhanging the bank

Under the **willow** tree, they had a lovely picnic in the shade.

sway

v. to move back and forth or side to side gently, often in response to external factors such as wind or water; to influence or persuade someone to do something; to control or dominate something

synonym: swing, oscillate, influence

(1) **sway** back and forth, (2) **sway** to the rhythm

The politician tried to **sway** public opinion in his favor, but his arguments fell flat.

foliage

n. the leaves of a plant or tree, especially in large quantities or as seen from a distance; natural greenery, often used for decorative purposes

synonym : leaves, greenery, flora

(1) colorful **foliage**, (2) autumn **foliage**

The vibrant **foliage** on the vines made the winery look even more beautiful.

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.

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.

quitter

n. a person who gives up easily or does not have the determination to finish what they have started

synonym : coward, deserter, surrender

(1) easy **quitter**, (2) serial **quitter**

He was labeled as a **quitter** after he abandoned the project halfway.

transfusion

n. the transfer of blood or blood products from one person or animal to another, often to replace blood lost due to injury or surgery

synonym : transfer, graft, infusion

(1) red blood cell **transfusion**, (2) plasma **transfusion**

The patient received a blood **transfusion** during the surgery to replenish her supply.

biopsy

n. the process of removing and examining tissue from the body of the sick person to determine the existence or cause of a disease

synonym : examination, autopsy

(1) **biopsy** of bone marrow, (2) liquid **biopsy**

The doctor performed an excisional breast **biopsy**.

oncology

n. the branch of medicine that deals with the study and treatment of tumors, especially malignancies

synonym : cancer treatment, study of tumors

(1) **oncology** center, (2) modern **oncology** treatment

The pharmaceutical company unveiled its latest breakthrough drug for the **oncology** market.

sial

n. the uppermost layer of the Earth's crust, consisting largely of rocks rich in silica and alumina

synonym : rock, stone, crust

(1) the **sial** layer of the Earth's crust, (2) shifts in the **sial**

An earthquake can cause shifts in the **sial**, leading to significant changes in the landscape.

bloodstream

n. the blood flowing through the body

(1) **bloodstream** in an artery, (2) **bloodstream** to the brain

Cancer cells are often carried throughout the body by the **bloodstream**.

potentiate

v. to increase the effect, likelihood, or power of something, such as a drug or a physiological or biochemical phenomenon

synonym : increase, boost, enhance

(1) **potentiate** the drug, (2) **potentiate** the immune response

The author's war and suffering experience **potentiates** this novel's reality.

melanoma

n. a type of skin cancer that originates in the cells that produce pigment, usually occurring on sun-exposed skin

areas

synonym: skin cancer, melanocarcinoma, pigmented tumor

(1) **melanoma** diagnosis, (2) **melanoma** treatment

Protecting your skin from the sun by wearing sunscreen and protective clothing can help reduce the risk of **melanoma**.

metastasize

v. (of a cancerous tumor or disease) to spread or grow to other parts of the body from its original location

synonym: spread, multiply, disseminate

(1) **metastasize** to the liver, (2) **metastasize** from breast cancer

Cancer cells can **metastasize** and spread to other body parts if left untreated.

remission

n. a period of time when a disease or condition is no longer present or active; a lessening or reduction of symptoms or intensity; forgiveness or pardon for sins or debts

synonym: forgiveness, amnesty, absolution

(1) complete **remission**, (2) clinical **remission**

The cancer patient was delighted to hear that their disease was in **remission**.

provocative

adj. arousing anger, interest, or another strong reaction, especially deliberately

synonym: instigating, provoking, inciting

(1) **provocative** questions, (2) a **provocative** smile

His **provocative** style frequently sparked controversies.

penicillin

n. an antibiotic drug derived from mold and used to treat bacterial infections

synonym: antibiotic, bacitracin

(1) **penicillin** allergy, (2) **penicillin** sensitivity testing

The doctor prescribed **penicillin** to treat the bacterial infection.

snuggle

v. to settle closely and comfortably with someone or something, typically in a warm and cozy manner; to cuddle or nestle closely

synonym : nuzzle, nestle, cuddle

(1) **snuggle** with his teddy bear, (2) **snuggle** under the blanket

My cat likes to **snuggle** with me in bed at night.

synapse

n. the fact or state of failing to finish an activity and of stopping using, making, or doing it

(1) **synapse** circuit, (2) end at a **synapse**

Animals transmit nerve impulses through **synapses**.

mow

v. to cut down and trim grass or other vegetation, usually with a machine such as a lawnmower; to cut down or harvest crops

synonym : cut, trim, clip

(1) **mow** the field, (2) **mow** a yard

My father likes to **mow** the lawn early on Saturday mornings.

autoimmune

adj. relating to a condition in which the body's immune system attacks and destroys healthy body tissue, mistaking it for harmful foreign substances

(1) insulin **autoimmune** syndrome, (2) **autoimmune** disorder

The presence of certain substances triggered the **autoimmune** response.

mesmerize

v. to captivate or fascinate; to hold the complete attention of

synonym : captivate, trance, enchant

(1) **mesmerize** a subject, (2) **mesmerize** with magic

The magician's performance **mesmerized** the audience.

Session 2: Spelling

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|--------------------------------|---|
| 1. insulin aut_____ne syndrome | <i>adj.</i> relating to a condition in which the body's immune system attacks and destroys healthy body tissue, mistaking it for harmful foreign substances |
| 2. w__p for joy | <i>v.</i> to cry tears because of sadness, rage, or pain |
| 3. me_____al chemistry | <i>adj.</i> of or relating to the treatment or cure of disease |
| 4. me_____ze with magic | <i>v.</i> to captivate or fascinate; to hold the complete attention of |
| 5. met_____ze to the liver | <i>v.</i> (of a cancerous tumor or disease) to spread or grow to other parts of the body from its original location |
| 6. sy_____e circuit | <i>n.</i> the fact or state of failing to finish an activity and of stopping using, making, or doing it |
| 7. bi___y of bone marrow | <i>n.</i> the process of removing and examining tissue from the body of the sick person to determine the existence or cause of a disease |
| 8. on_____gy center | <i>n.</i> the branch of medicine that deals with the study and treatment of tumors, especially malignancies |
| 9. weeping wi___w | <i>n.</i> a deciduous tree or shrub that is often found near water, characterized by long, flexible, and slender branches and narrow leaves |

ANSWERS: 1. autoimmune, 2. weep, 3. medicinal, 4. mesmerize, 5. metastasize, 6. synapse, 7. biopsy, 8. oncology, 9. willow

10. s__y to the rhythm *v.* to move back and forth or side to side gently, often in response to external factors such as wind or water; to influence or persuade someone to do something; to control or dominate something
11. end at a sy____e *n.* the fact or state of failing to finish an activity and of stopping using, making, or doing it
12. met____ze from breast cancer *v.* (of a cancerous tumor or disease) to spread or grow to other parts of the body from its original location
13. aut____ne disorder *adj.* relating to a condition in which the body's immune system attacks and destroys healthy body tissue, mistaking it for harmful foreign substances
14. pot____te the drug *v.* to increase the effect, likelihood, or power of something, such as a drug or a physiological or biochemical phenomenon
15. the s__l layer of the Earth's crust *n.* the uppermost layer of the Earth's crust, consisting largely of rocks rich in silica and alumina
16. me____ze a subject *v.* to captivate or fascinate; to hold the complete attention of
17. serial qu____r *n.* a person who gives up easily or does not have the determination to finish what they have started
18. clinical re____on *n.* a period of time when a disease or condition is no longer present or active; a lessening or reduction of symptoms or intensity; forgiveness or pardon for sins or debts

ANSWERS: 10. sway, 11. synapse, 12. metastasize, 13. autoimmune, 14. potentiate, 15. sial, 16. mesmerize, 17. quitter, 18. remission

19. pro_____ve questions *adj.* arousing anger, interest, or another strong reaction, especially deliberately
20. wi___w overhanging the bank *n.* a deciduous tree or shrub that is often found near water, characterized by long, flexible, and slender branches and narrow leaves
21. pot_____te the immune response *v.* to increase the effect, likelihood, or power of something, such as a drug or a physiological or biochemical phenomenon
22. w__p bitter tears *v.* to cry tears because of sadness, rage, or pain
23. a pro_____ve smile *adj.* arousing anger, interest, or another strong reaction, especially deliberately
24. environmental det_____nt *n.* a factor, circumstance, or condition that contributes to the shaping, influencing, or determining of a particular outcome or result
25. autumn fo_____e *n.* the leaves of a plant or tree, especially in large quantities or as seen from a distance; natural greenery, often used for decorative purposes
26. red blood cell tra_____on *n.* the transfer of blood or blood products from one person or animal to another, often to replace blood lost due to injury or surgery
27. easy qu_____r *n.* a person who gives up easily or does not have the determination to finish what they have started

ANSWERS: 19. provocative, 20. willow, 21. potentiate, 22. weep, 23. provocative, 24. determinant, 25. foliage, 26. transfusion, 27. quitter

37. s__y back and forth *v.* to move back and forth or side to side gently, often in response to external factors such as wind or water; to influence or persuade someone to do something; to control or dominate something
38. liquid bi___y *n.* the process of removing and examining tissue from the body of the sick person to determine the existence or cause of a disease
39. blo_____am in an artery *n.* the blood flowing through the body
40. pen_____in sensitivity testing *n.* an antibiotic drug derived from mold and used to treat bacterial infections
41. me_____ma diagnosis *n.* a type of skin cancer that originates in the cells that produce pigment, usually occurring on sun-exposed skin areas
42. 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
43. plasma tra_____on *n.* the transfer of blood or blood products from one person or animal to another, often to replace blood lost due to injury or surgery
44. shifts in the s__l *n.* the uppermost layer of the Earth's crust, consisting largely of rocks rich in silica and alumina
45. modern on_____gy treatment *n.* the branch of medicine that deals with the study and treatment of tumors, especially malignancies

ANSWERS: 37. sway, 38. biopsy, 39. bloodstream, 40. penicillin, 41. melanoma, 42. determinant, 43. transfusion, 44. sial, 45. oncology

46. pen_____in allergy

n. an antibiotic drug derived from mold
and used to treat bacterial infections

ANSWERS: 46. penicillin

Session 3: Fill in the Blanks

1. Protecting your skin from the sun by wearing sunscreen and protective clothing can help reduce the risk of _____.
 - n.* a type of skin cancer that originates in the cells that produce pigment, usually occurring on sun-exposed skin areas
2. The presence of certain substances triggered the _____ response.
 - adj.* relating to a condition in which the body's immune system attacks and destroys healthy body tissue, mistaking it for harmful foreign substances
3. The vibrant _____ on the vines made the winery look even more beautiful.
 - n.* the leaves of a plant or tree, especially in large quantities or as seen from a distance; natural greenery, often used for decorative purposes
4. His _____ style frequently sparked controversies.
 - adj.* arousing anger, interest, or another strong reaction, especially deliberately
5. 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
6. The pharmaceutical company unveiled its latest breakthrough drug for the _____ market.
 - n.* the branch of medicine that deals with the study and treatment of tumors, especially malignancies
7. The magician's performance _____ the audience.
 - v.* to captivate or fascinate; to hold the complete attention of

ANSWERS: 1. melanoma, 2. autoimmune, 3. foliage, 4. provocative, 5. determinant, 6. oncology, 7. mesmerized

8. The doctor performed an excisional breast _____.
- n.* the process of removing and examining tissue from the body of the sick person to determine the existence or cause of a disease
9. The _____ properties of this herb have been known to help with various ailments.
- adj.* of or relating to the treatment or cure of disease
10. The doctor prescribed _____ to treat the bacterial infection.
- n.* an antibiotic drug derived from mold and used to treat bacterial infections
11. He was labeled as a _____ after he abandoned the project halfway.
- n.* a person who gives up easily or does not have the determination to finish what they have started
12. The cancer patient was delighted to hear that their disease was in _____.
- n.* a period of time when a disease or condition is no longer present or active; a lessening or reduction of symptoms or intensity; forgiveness or pardon for sins or debts
13. The author's war and suffering experience _____ this novel's reality.
- v.* to increase the effect, likelihood, or power of something, such as a drug or a physiological or biochemical phenomenon
14. An earthquake can cause shifts in the _____ leading to significant changes in the landscape.
- n.* the uppermost layer of the Earth's crust, consisting largely of rocks rich in silica and alumina
15. The patient received a blood _____ during the surgery to replenish her supply.
- n.* the transfer of blood or blood products from one person or animal to another, often to replace blood lost due to injury or surgery

ANSWERS: 8. biopsy, 9. medicinal, 10. penicillin, 11. quitter, 12. remission, 13. potentiates, 14. sial, 15. transfusion

16. Animals transmit nerve impulses through _____.
- n.* the fact or state of failing to finish an activity and of stopping using, making, or doing it
17. My cat likes to _____ with me in bed at night.
- v.* to settle closely and comfortably with someone or something, typically in a warm and cozy manner; to cuddle or nestle closely
18. Cancer cells can _____ and spread to other body parts if left untreated.
- v.* (of a cancerous tumor or disease) to spread or grow to other parts of the body from its original location
19. Under the _____ tree, they had a lovely picnic in the shade.
- n.* a deciduous tree or shrub that is often found near water, characterized by long, flexible, and slender branches and narrow leaves
20. The politician tried to _____ public opinion in his favor, but his arguments fell flat.
- v.* to move back and forth or side to side gently, often in response to external factors such as wind or water; to influence or persuade someone to do something; to control or dominate something
21. Cancer cells are often carried throughout the body by the _____.
- n.* the blood flowing through the body
22. My father likes to _____ the lawn early on Saturday mornings.
- v.* to cut down and trim grass or other vegetation, usually with a machine such as a lawnmower; to cut down or harvest crops
23. I'm easily moved to tears, so I would _____ in sympathy if I saw that movie.
- v.* to cry tears because of sadness, rage, or pain

ANSWERS: 16. synapses, 17. snuggle, 18. metastasize, 19. willow, 20. sway, 21. bloodstream, 22. mow, 23. weep

ANSWERS: