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Vocabulary Builder Reference from...

Nicholas Leeper: Is there a link between cancer and heart disease? | TED Talk

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

Advanced Words Only

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Session 1: Word List

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.

stab

v. to cause harm with a sharp, pointed object, such as a knife

synonym: poke, thrust, jab

(1) **stab** at the enemy with a knife, (2) **stab** in the chest

He was **stabbed** many times with scissors.

crochet

n. a type of needlework or fabric-making that involves creating loops of thread or yarn with a hooked needle; an item or piece of clothing made using this technique

synonym: knitting, needlework, lacework

(1) **crochet** pattern, (2) **crochet** kit

She passed the time on the plane by doing some **crochet** work.

unmet

adj. describing a need, goal, or expectation that has not been satisfied or fulfilled

synonym: unsatisfied, unfulfilled, unmatched

(1) **unmet** demand, (2) **unmet** needs

The **unmet** expectations of the customers led to a decrease in sales.

hotspot

n. a place or area, typically a location or region, that is known for having an unusually high number of a particular phenomenon, such as disease, activity, or popularity

synonym: epicenter, cluster, outbreak

(1) covid-19 **hotspot**, (2) geographic **hotspot**

The airport is a **hotspot** for tourists and travelers from around the world.

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**.

buildup

n. the accumulation or increase of something over time

synonym: accumulation, increase, growth

(1) lactic acid **buildup**, (2) huge military **buildup**

The **buildup** of stress over time can lead to health problems.

influx

n. the arrival or entry of a large number of people, objects, or ideas into a place or system

synonym: inflow, arrival, impression

(1) **influx** of capital, (2) **influx** of tourists

The **influx** of immigrants into urban areas can create significant social, economic, and political challenges for local communities.

inflame

v. to cause very strong feelings such as anger or excitement in a person or a group of people

synonym: agitate, arouse, enrage

(1) **inflame** skin, (2) **inflame** his passion
Her eyes **inflamed** with crying.

congest

v. to make something blocked or crowded so as to hinder or prevent freedom of movement or flow of liquid
synonym: clog, choke, crowd

(1) **congest** in a vein, (2) **congest** a highway
The roads to the airport were heavily **congested**.

causation

n. the action or relationship between an event or action and its effect or consequence; the explanation for why something happens

synonym: cause, reason, origin

(1) **causation** analysis, (2) direct **causation**

The **causation** of the disease is still under investigation by medical researchers.

wand

n. a slender rod or stick, especially one used for magic or divination; a rod or staff carried by certain officials as a symbol of authority

synonym: rod, stick, staff

(1) magic **wand**, (2) security **wand**

The magician waved his **wand**, and a rabbit appeared from the hat.

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**.

quadrant

n. a quarter of a circle or sphere or any of the four parts of an area divided by two intersecting lines or planes

synonym: section, division, sector

(1) Northeast **quadrant**, (2) **quadrant** chart

The map was divided into four **quadrants** to examine the

geographical region closely.

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.

prioritize

v. to assign a higher level of importance to something compared to other things

synonym: rank, order, arrange

(1) **prioritize** tasks, (2) **prioritize** people over cars

The organization **prioritized** the needs of the community in its decision-making.

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.

neurocognitive

adj. relating to the cognitive processes that govern learning, memory, perception, and attention and to the changes in these processes associated with neurological disorders

synonym: cognitive neuroscience, brain science, neuropsychology

(1) **neurocognitive** disorders, (2) **neurocognitive** testing

His **neurocognitive** abilities helped him excel in his studies.

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.

cardiologist

n. a medical doctor who specializes in the study and treatment of the heart and the circulatory system

synonym: heart doctor, heart specialist, cardiac specialist

(1) **cardiologist** appointment, (2) skilled **cardiologist**

My grandfather is seeing a **cardiologist** to monitor his heart condition.

pivot

n. a change in direction or focus, especially in a business or political strategy; a fixed point that supports something that turns or balances

synonym: center point, fulcrum, heart

(1) center- **pivot** irrigation, (2) **pivot** point

The team needed to come up with a **pivot** strategy to turn things around.

macrophage

n. a large white blood cell that helps to engulf and destroy foreign objects or materials in the body, such as bacteria or cancer cells

synonym: white blood cell, scavenger cell, phagocyte

(1) **macrophage** activity, (2) **macrophage** dysfunction

Cancer cells can evade the immune system's detection by avoiding interactions with **macrophages**.

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.

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.

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.

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.

metastatic

adj. used to describe cancer cells that have spread from the primary site of origin to other parts of the body through the bloodstream or lymphatic system

synonym: spreading, invasive, secondary

(1) **metastatic** disease, (2) **metastatic** spreading

Metastatic cancer has spread from its original site to other body parts.

lymphoma

n. a type of cancer that affects the body's lymphatic system, which is responsible for fighting infection and disease

synonym: lymphatic cancer, lymphoid tumor, lymph node cancer

(1) non-hodgkin **lymphoma**, (2) childhood **lymphoma**

My aunt was diagnosed with **lymphoma** and is undergoing chemotherapy.

retrospective

adj. looking back on or dealing with past events or situations, particularly those that are considered important or influential; an exhibition or showing of a particular artist's work, covering an extended period of time

synonym: backward-looking, reflective, nostalgic

(1) **retrospective** review, (2) **retrospective** study

The **retrospective** exhibition featured some of the artist's earliest works.

carotid

adj. relating to the carotid artery, which supplies blood to the head and face

(1) **carotid** disease, (2) **carotid** stenosis

The doctor examined my **carotid** artery to check for any blockages or abnormalities.

dogma

n. a belief or set of beliefs that the members of a group accept without being questioned or doubted

synonym: doctrine, tenet, creed

(1) religious **dogma**, (2) the secret **dogma**

All members strictly followed the **dogma** of the organization.

silo

n. a tall, cylindrical structure, usually made of concrete or steel, that is used for storing grain, feed, or other dry materials; a system or structure that is isolated or separate from others

synonym: storage, warehouse, barn

(1) nuclear **silo**, (2) **silo** organization

The farmer used a **silo** to store feed for the animals.

powerless

adj. lacking power, strength, or authority; unable to act or affect change

synonym: helpless, impotent, feeble

(1) **powerless** position, (2) **powerless** in the organization

During the hurricane, we felt **powerless** against the winds and rain.

Session 2: Spelling

- | | |
|---------------------------------|--|
| 1. se____el lymph node | <i>n.</i> a person or thing that stands guard or keeps watch; a soldier or guard who stands watch to provide security |
| 2. un__t demand | <i>adj.</i> describing a need, goal, or expectation that has not been satisfied or fulfilled |
| 3. 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 |
| 4. pi__t point | <i>n.</i> a change in direction or focus, especially in a business or political strategy; a fixed point that supports something that turns or balances |
| 5. magic w__d | <i>n.</i> a slender rod or stick, especially one used for magic or divination; a rod or staff carried by certain officials as a symbol of authority |
| 6. met____ze from breast cancer | <i>v.</i> (of a cancerous tumor or disease) to spread or grow to other parts of the body from its original location |
| 7. un__t needs | <i>adj.</i> describing a need, goal, or expectation that has not been satisfied or fulfilled |
| 8. modern on____gy treatment | <i>n.</i> the branch of medicine that deals with the study and treatment of tumors, especially malignancies |
| 9. non-hodgkin ly____ma | <i>n.</i> a type of cancer that affects the body's lymphatic system, which is responsible for fighting infection and disease |

ANSWERS: 1. sentinel, 2. unmet, 3. biopsy, 4. pivot, 5. wand, 6. metastasize, 7. unmet, 8. oncology, 9. lymphoma

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|---|---|
| 10. ca_____on analysis | <i>n.</i> the action or relationship between an event or action and its effect or consequence; the explanation for why something happens |
| 11. center-pi__t irrigation | <i>n.</i> a change in direction or focus, especially in a business or political strategy; a fixed point that supports something that turns or balances |
| 12. security w__d | <i>n.</i> a slender rod or stick, especially one used for magic or divination; a rod or staff carried by certain officials as a symbol of authority |
| 13. pri_____ze tasks | <i>v.</i> to assign a higher level of importance to something compared to other things |
| 14. me_____ma treatment | <i>n.</i> a type of skin cancer that originates in the cells that produce pigment, usually occurring on sun-exposed skin areas |
| 15. hyp_____ze what could have happened | <i>v.</i> to form or present a theory or explanation without sufficient evidence; to speculate |
| 16. co_____t in a vein | <i>v.</i> to make something blocked or crowded so as to hinder or prevent freedom of movement or flow of liquid |
| 17. hyp_____ze as to outcomes | <i>v.</i> to form or present a theory or explanation without sufficient evidence; to speculate |
| 18. ret_____ive review | <i>adj.</i> looking back on or dealing with past events or situations, particularly those that are considered important or influential; an exhibition or showing of a particular artist's work, covering an extended period of time |

ANSWERS: 10. causation, 11. pivot, 12. wand, 13. prioritize, 14. melanoma, 15. hypothesize, 16. congest, 17. hypothesize, 18. retrospective

19. religious do__a	<i>n.</i> a belief or set of beliefs that the members of a group accept without being questioned or doubted
20. traditional me_____al	<i>adj.</i> of or relating to the treatment or cure of disease
21. Northeast qu_____nt	<i>n.</i> a quarter of a circle or sphere or any of the four parts of an area divided by two intersecting lines or planes
22. in_____e his passion	<i>v.</i> to cause very strong feelings such as anger or excitement in a person or a group of people
23. in___x of capital	<i>n.</i> the arrival or entry of a large number of people, objects, or ideas into a place or system
24. 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
25. met_____ic disease	<i>adj.</i> used to describe cancer cells that have spread from the primary site of origin to other parts of the body through the bloodstream or lymphatic system
26. s__o organization	<i>n.</i> a tall, cylindrical structure, usually made of concrete or steel, that is used for storing grain, feed, or other dry materials; a system or structure that is isolated or separate from others
27. ove_____ve imagination	<i>adj.</i> excessively active; showing an excess of activity or energy
28. neu_____ive disorders	<i>adj.</i> relating to the cognitive processes that govern learning, memory, perception, and attention and to the changes in these processes associated with neurological disorders

ANSWERS: 19. dogma, 20. medicinal, 21. quadrant, 22. inflame, 23. influx, 24. metastasize, 25. metastatic, 26. silo, 27. overactive, 28. neurocognitive

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|------------------------------------|---|
| 29. s__b at the enemy with a knife | <i>v.</i> to cause harm with a sharp, pointed object, such as a knife |
| 30. skilled car_____ist | <i>n.</i> a medical doctor who specializes in the study and treatment of the heart and the circulatory system |
| 31. ca____d disease | <i>adj.</i> relating to the carotid artery, which supplies blood to the head and face |
| 32. geographic ho____t | <i>n.</i> a place or area, typically a location or region, that is known for having an unusually high number of a particular phenomenon, such as disease, activity, or popularity |
| 33. po_____ss position | <i>adj.</i> lacking power, strength, or authority; unable to act or affect change |
| 34. ret_____ive study | <i>adj.</i> looking back on or dealing with past events or situations, particularly those that are considered important or influential; an exhibition or showing of a particular artist's work, covering an extended period of time |
| 35. on____gy center | <i>n.</i> the branch of medicine that deals with the study and treatment of tumors, especially malignancies |
| 36. huge military bu____p | <i>n.</i> the accumulation or increase of something over time |
| 37. ove_____ve thyroid | <i>adj.</i> excessively active; showing an excess of activity or energy |
| 38. covid-19 ho____t | <i>n.</i> a place or area, typically a location or region, that is known for having an unusually high number of a particular phenomenon, such as disease, activity, or popularity |

ANSWERS: 29. stab, 30. cardiologist, 31. carotid, 32. hotspot, 33. powerless, 34. retrospective, 35. oncology, 36. buildup, 37. overactive, 38. hotspot

39. s__b in the chest	<i>v.</i> to cause harm with a sharp, pointed object, such as a knife
40. qu____nt chart	<i>n.</i> a quarter of a circle or sphere or any of the four parts of an area divided by two intersecting lines or planes
41. me____ma diagnosis	<i>n.</i> a type of skin cancer that originates in the cells that produce pigment, usually occurring on sun-exposed skin areas
42. lactic acid bu____p	<i>n.</i> the accumulation or increase of something over time
43. in____e other tissues	<i>v.</i> to enter aggressively into another's territory by military force for conquest and occupation
44. co____t a highway	<i>v.</i> to make something blocked or crowded so as to hinder or prevent freedom of movement or flow of liquid
45. direct ca____on	<i>n.</i> the action or relationship between an event or action and its effect or consequence; the explanation for why something happens
46. liquid bi____y	<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
47. mac____ge dysfunction	<i>n.</i> a large white blood cell that helps to engulf and destroy foreign objects or materials in the body, such as bacteria or cancer cells
48. pi____nt signs of manipulation	<i>v.</i> to locate or identify the exact position in space or time of something

ANSWERS: 39. stab, 40. quadrant, 41. melanoma, 42. buildup, 43. invade, 44. congest, 45. causation, 46. biopsy, 47. macrophage, 48. pinpoint

49. the secret do__a	<i>n.</i> a belief or set of beliefs that the members of a group accept without being questioned or doubted
50. in____e skin	<i>v.</i> to cause very strong feelings such as anger or excitement in a person or a group of people
51. cr____t pattern	<i>n.</i> a type of needlework or fabric-making that involves creating loops of thread or yarn with a hooked needle; an item or piece of clothing made using this technique
52. in___x of tourists	<i>n.</i> the arrival or entry of a large number of people, objects, or ideas into a place or system
53. nuclear s__o	<i>n.</i> a tall, cylindrical structure, usually made of concrete or steel, that is used for storing grain, feed, or other dry materials; a system or structure that is isolated or separate from others
54. met_____ic spreading	<i>adj.</i> used to describe cancer cells that have spread from the primary site of origin to other parts of the body through the bloodstream or lymphatic system
55. po_____ss in the organization	<i>adj.</i> lacking power, strength, or authority; unable to act or affect change
56. se_____el duty	<i>n.</i> a person or thing that stands guard or keeps watch; a soldier or guard who stands watch to provide security
57. car_____ist appointment	<i>n.</i> a medical doctor who specializes in the study and treatment of the heart and the circulatory system

ANSWERS: 49. dogma, 50. inflame, 51. crochet, 52. influx, 53. silo, 54. metastatic, 55. powerless, 56. sentinel, 57. cardiologist

- | | |
|--------------------------------|--|
| 58. childhood ly____ma | <i>n.</i> a type of cancer that affects the body's lymphatic system, which is responsible for fighting infection and disease |
| 59. ca____d stenosis | <i>adj.</i> relating to the carotid artery, which supplies blood to the head and face |
| 60. in____e his privacy | <i>v.</i> to enter aggressively into another's territory by military force for conquest and occupation |
| 61. pri____ze people over cars | <i>v.</i> to assign a higher level of importance to something compared to other things |
| 62. cr____t kit | <i>n.</i> a type of needlework or fabric-making that involves creating loops of thread or yarn with a hooked needle; an item or piece of clothing made using this technique |
| 63. me____al chemistry | <i>adj.</i> of or relating to the treatment or cure of disease |
| 64. mac____ge activity | <i>n.</i> a large white blood cell that helps to engulf and destroy foreign objects or materials in the body, such as bacteria or cancer cells |
| 65. pi____nt the problem | <i>v.</i> to locate or identify the exact position in space or time of something |
| 66. neu____ive testing | <i>adj.</i> relating to the cognitive processes that govern learning, memory, perception, and attention and to the changes in these processes associated with neurological disorders |

ANSWERS: 58. lymphoma, 59. carotid, 60. invade, 61. prioritize, 62. crochet, 63. medicinal, 64. macrophage, 65. pinpoint, 66. neurocognitive

Session 3: Fill in the Blanks

1. The map was divided into four _____ to examine the geographical region closely.
 - n.* a quarter of a circle or sphere or any of the four parts of an area divided by two intersecting lines or planes
2. I have no intention to _____ your privacy.
 - v.* to enter aggressively into another's territory by military force for conquest and occupation
3. _____ cancer has spread from its original site to other body parts.
 - adj.* used to describe cancer cells that have spread from the primary site of origin to other parts of the body through the bloodstream or lymphatic system
4. 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
5. The farmer used a _____ to store feed for the animals.
 - n.* a tall, cylindrical structure, usually made of concrete or steel, that is used for storing grain, feed, or other dry materials; a system or structure that is isolated or separate from others
6. This radar quickly _____ the position of the enemy.
 - v.* to locate or identify the exact position in space or time of something
7. Cancer cells can evade the immune system's detection by avoiding interactions with _____.
 - n.* a large white blood cell that helps to engulf and destroy foreign objects or materials in the body, such as bacteria or cancer cells

ANSWERS: 1. quadrants, 2. invade, 3. Metastatic, 4. hypothesize, 5. silo, 6. pinpoints, 7. macrophages

8. The _____ of stress over time can lead to health problems.
n. the accumulation or increase of something over time
9. His _____ abilities helped him excel in his studies.
adj. relating to the cognitive processes that govern learning, memory, perception, and attention and to the changes in these processes associated with neurological disorders
10. The airport is a _____ for tourists and travelers from around the world.
n. a place or area, typically a location or region, that is known for having an unusually high number of a particular phenomenon, such as disease, activity, or popularity
11. He was _____ many times with scissors.
v. to cause harm with a sharp, pointed object, such as a knife
12. The magician waved his _____ and a rabbit appeared from the hat.
n. a slender rod or stick, especially one used for magic or divination; a rod or staff carried by certain officials as a symbol of authority
13. The roads to the airport were heavily _____.
v. to make something blocked or crowded so as to hinder or prevent freedom of movement or flow of liquid
14. The _____ of the disease is still under investigation by medical researchers.
n. the action or relationship between an event or action and its effect or consequence; the explanation for why something happens
15. The _____ of immigrants into urban areas can create significant social, economic, and political challenges for local communities.
n. the arrival or entry of a large number of people, objects, or ideas into a place or system

ANSWERS: 8. buildup, 9. neurocognitive, 10. hotspot, 11. stabbed, 12. wand, 13. congested, 14. causation, 15. influx

16. The team needed to come up with a _____ strategy to turn things around.
- n.* a change in direction or focus, especially in a business or political strategy; a fixed point that supports something that turns or balances
17. 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
18. 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
19. My grandfather is seeing a _____ to monitor his heart condition.
- n.* a medical doctor who specializes in the study and treatment of the heart and the circulatory system
20. 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
21. She passed the time on the plane by doing some _____ work.
- n.* a type of needlework or fabric-making that involves creating loops of thread or yarn with a hooked needle; an item or piece of clothing made using this technique
22. The doctor examined my _____ artery to check for any blockages or abnormalities.
- adj.* relating to the carotid artery, which supplies blood to the head and face

ANSWERS: 16. pivot, 17. metastasize, 18. oncology, 19. cardiologist, 20. biopsy, 21. crochet, 22. carotid

23. 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

24. The _____ expectations of the customers led to a decrease in sales.

adj. describing a need, goal, or expectation that has not been satisfied or fulfilled

25. The _____ properties of this herb have been known to help with various ailments.

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

26. The _____ exhibition featured some of the artist's earliest works.

adj. looking back on or dealing with past events or situations, particularly those that are considered important or influential; an exhibition or showing of a particular artist's work, covering an extended period of time

27. During the hurricane, we felt _____ against the winds and rain.

adj. lacking power, strength, or authority; unable to act or affect change

28. The medication caused an _____ immune system, resulting in adverse side effects.

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

29. All members strictly followed the _____ of the organization.

n. a belief or set of beliefs that the members of a group accept without being questioned or doubted

30. 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

ANSWERS: 23. sentinel, 24. unmet, 25. medicinal, 26. retrospective, 27. powerless, 28. overactive, 29. dogma, 30. melanoma

31. Her eyes _____ with crying.

- v.* to cause very strong feelings such as anger or excitement in a person or a group of people

32. The organization _____ the needs of the community in its decision-making.

- v.* to assign a higher level of importance to something compared to other things

33. My aunt was diagnosed with _____ and is undergoing chemotherapy.

- n.* a type of cancer that affects the body's lymphatic system, which is responsible for fighting infection and disease

ANSWERS: 31. inflamed, 32. prioritized, 33. lymphoma