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Vocabulary Builder Reference from...

Julian Burschka: What your breath could reveal about your health | TED Talk

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

Advanced Words Only

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Session 1: Word List

thrombosis

n. the formation or presence of a blood clot that obstructs a blood vessel, thereby impeding blood flow and potentially leading to serious medical complications

synonym: blood clot, embolism, coagulation

(1) hepatic vein **thrombosis**, (2) **thrombosis** of the basilar artery

Prolonged sitting can increase the risk of **thrombosis** in the legs.

incurable

adj. not able to be cured, healed, or remedied; beyond recovery or redemption

synonym: unrecoverable, irreparable, hopeless

(1) **incurable** patient, (2) **incurable** romantic

The patient was diagnosed with an **incurable** disease and given only a few months to live.

Alzheimer

n. a neurodegenerative disease that causes memory loss, cognitive decline, and behavioral issues; is the most common cause of dementia in older adults

synonym: dementia, memory loss, cognitive decline

(1) **Alzheimer's** brain, (2) **Alzheimer's** risk factors

My grandmother has **Alzheimer's** disease requires special care and attention from her caregivers.

probabilistic

adj. characterized by the influence of chance or probability; involving the use of statistical models or methods to estimate likelihoods or risks

synonym : probable, statistical, likely

(1) **probabilistic** model, (2) **probabilistic** approach

In a **probabilistic** system, the outcome is uncertain and can vary based on chance.

asymptomatic

adj. not experiencing or exhibiting any symptoms of a particular disease or condition, even though the individual may be infected or affected by it

synonym : asymptotic, symptomless, unnoticeable

(1) **asymptomatic** carrier, (2) **asymptomatic** infection

The study showed that one-third of infected individuals could remain **asymptomatic** throughout the disease.

undetected

adj. not perceived or discovered

synonym : undiscovered, hidden, concealed

(1) **undetected** cancer, (2) leave the house **undetected**

Doctors made mistakes, and diseases remained **undetected**.

presume

v. to suppose or assume something to be true, often without sufficient evidence or proof; to take liberties, behave impolitely, or overstep one's bounds, often due to arrogance or ignorance

synonym : assume, suppose, guess

(1) **presume** innocence, (2) **presume** on his tolerance

I **presume** you've already made plans for the weekend since you didn't respond to my invitation.

colonoscopy

n. a medical procedure in which a flexible tube with a camera on its end is inserted into the rectum to examine the colon for potential abnormalities or diseases

synonym : colon examination, bowel scope, colonography

(1) **colonoscopy** screening, (2) virtual **colonoscopy**

He had to undergo a **colonoscopy** as part of his routine medical check-up.

colorectal

adj. relating to or affecting both the colon (= a part of the large intestine) and the rectum (= a part of the digestive system), often used to refer to medical conditions of the lower digestive system

synonym : rectal, anal, intestinal

(1) **colorectal** polyp, (2) **colorectal** surgery

A healthy diet and regular exercise can help reduce the risk of developing **colorectal** cancer.

radiography

n. the use of X-rays or other imaging techniques to take pictures of the internal structures of the human body for medical diagnosis, evaluation, or research purposes

synonym : radiology, X-ray, imaging

(1) digital **radiography**, (2) dental **radiography**

She underwent **radiography** for her broken arm to determine the extent of the injury.

overlook

v. to fail to notice something; to watch over someone; to provide a view from above

synonym : disregard, look down, supervise

(1) **overlook** a street, (2) **overlook** that fact

We cannot **overlook** an opportunity for great success.

deplete

v. to reduce something, especially supplies of energy, money, etc., by a large amount; to use up resources or materials

synonym : exhaust, consume, use up

(1) **deplete** customer confidence, (2) **deplete** glycogen stores

If we continue to **deplete** the Earth's natural resources, we will cause severe damage to the environment.

argon

n. a chemical element with the symbol Ar that is a colorless, odorless, and inert gas, often used in welding and other industrial processes

synonym : Ar, noble gas

(1) **argon** gas, (2) **argon-filled** light bulb

The light emitted by **argon** gas is often used in advertising signs.

exhale

v. to breathe out air or vapor from the lungs or mouth; to release or emit something slowly or gently

synonym: breathe out, expel, emit

(1) **exhale** a big sigh, (2) **exhale** cigarette smoke

He took a deep breath and slowly began to **exhale**.

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.

beep

v. to make a short, high-pitched sound, typically as a signal or warning

synonym: bleep, honk, buzz

(1) **beep** out a warning, (2) **beep** the horn

The timer **beeped**, reminding me that the cake was ready to come out of the oven.

correlate

v. to have a connection or relationship in which one thing affects or depends on another

synonym: associate, liken, connect

(1) **correlate** closely with the quality, (2) **correlate** to the size

We may frequently **correlate** age with the frequency of disease.

skyrocket

v. to rapidly ascend to a very high level; increase rapidly;

synonym: rocket, soar, shoot up

(1) **skyrocket** the cost, (2) price **skyrocketed**

Production has decreased, but costs and unemployment have **skyrocketed** dramatically.

fingerp^rint

n. a unique pattern of ridges and valleys on the surface of a finger that can be used to identify a person

synonym : print, mark, impression

(1) **fingerp^rint** at a crime scene, (2) **fingerp^rint** identification

The police used a **fingerp^rint** scanner to identify the suspect.

microbiome

n. the community of microorganisms (= living things too small to be seen) that can usually be found living together in any given environment or the human body

synonym : flora

(1) skin **microbiome**, (2) have a diverse **microbiome**

The gut **microbiome** is a major producer of serotonin, which is necessary for human mental stability.

biochemical

adj. relating to the chemical processes and substances that occur within living organisms

synonym : molecular, biological

(1) **biochemical** reaction, (2) complex **biochemical** **Biochemical** research is essential to understanding the complex chemical reactions in living organisms.

undeniable

adj. not possible to deny; true or certain

synonym : absolute, definite, indubitable

(1) an **undeniable** fact, (2) an **undeniable** masterpiece
Her influence on teenagers is **undeniable**.

secondly

adv. used to introduce the second point or item in a list or series of statements, considerations, etc.

synonym : in the second place, next, subsequently

(1) **secondly** connected, (2) **secondly**, it is important
Firstly, we will discuss the budget; **secondly**, we will go over the schedule.

destine

- v. to determine or set the course of something in advance, often in a way that seems predetermined or inevitable; to specify or choose someone or something for a particular fate or outcome

synonym : ordain, doom, predestine

(1) **destine** us to meet again, (2) be **destined** to become a great artist

Some people believe that we are all **destined** for greatness.

pave

- v. to cover something with a hard, flat material such as stones, bricks, or concrete, to make it suitable for travel or use

synonym : surface, coat, cover

(1) **pave** a new path, (2) **pave** a smoother road

They **paved** the courtyard with bricks, giving it a more polished appearance.

reproducibility

- n. the ability of an experiment, study, or result to be replicated or repeated by different researchers or laboratories, often seen as a key aspect of scientific rigor

synonym : repeatability, replicability, consistency

(1) **reproducibility** measure, (2) scientific **reproducibility**

The researchers spent considerable effort to ensure the **reproducibility** of their experiments.

commercialize

- v. to make something available for sale or use on a large scale

synonym : monetize, capitalize, marketize

(1) **commercialize** my patents, (2) **commercialize** idea

The company is trying to **commercialize** its new product.

overt

- adj. open, evident, or clear, especially in a way that is not intended to be secret

synonym : open, unhidden, obvious

(1) **overt** hostility, (2) **overt** symptoms

His **overt** lack of enthusiasm was noticeable to everyone in

the room.

opportune

adj. suitable or happening at a time that is suitable or convenient for a particular purpose

synonym: suitable, timely, practical

(1) **opportune** occasion, (2) an **opportune** remark

The phone rang at the most **opportune** time.

hypochondriac

adj. pertaining to or suffering from hypochondria, a condition marked by excessive anxiety about one's health and an abnormal concern that one has a serious disease, despite the absence of any physical evidence

synonym: worried, anxious, neurotic

(1) **hypochondriac** fears, (2) chronic **hypochondriac**

He always had a **hypochondriac** tendency, constantly worrying about his health.

Session 2: Spelling

1. skin mic_____me *n.* the community of microorganisms (= living things too small to be seen) that can usually be found living together in any given environment or the human body
2. fin_____nt at a crime scene *n.* a unique pattern of ridges and valleys on the surface of a finger that can be used to identify a person
3. de_____e glycogen stores *v.* to reduce something, especially supplies of energy, money, etc., by a large amount; to use up resources or materials
4. ar__n gas *n.* a chemical element with the symbol Ar that is a colorless, odorless, and inert gas, often used in welding and other industrial processes
5. ar__n-filled light bulb *n.* a chemical element with the symbol Ar that is a colorless, odorless, and inert gas, often used in welding and other industrial processes
6. dental rad_____hy *n.* the use of X-rays or other imaging techniques to take pictures of the internal structures of the human body for medical diagnosis, evaluation, or research purposes
7. in_____le romantic *adj.* not able to be cured, healed, or remedied; beyond recovery or redemption

ANSWERS: 1. microbiome, 2. fingerprint, 3. deplete, 4. argon, 5. argon, 6. radiography, 7. incurable

8. hyp_____iac fears *adj.* pertaining to or suffering from hypochondria, a condition marked by excessive anxiety about one's health and an abnormal concern that one has a serious disease, despite the absence of any physical evidence
9. price sk_____eted *v.* to rapidly ascend to a very high level; increase rapidly;
10. virtual col_____py *n.* a medical procedure in which a flexible tube with a camera on its end is inserted into the rectum to examine the colon for potential abnormalities or diseases
11. environmental det_____nt *n.* a factor, circumstance, or condition that contributes to the shaping, influencing, or determining of a particular outcome or result
12. pro_____tic model *adj.* characterized by the influence of chance or probability; involving the use of statistical models or methods to estimate likelihoods or risks
13. p__e a new path *v.* to cover something with a hard, flat material such as stones, bricks, or concrete, to make it suitable for travel or use
14. have a diverse mic_____me *n.* the community of microorganisms (= living things too small to be seen) that can usually be found living together in any given environment or the human body

ANSWERS: 8. hypochondriac, 9. skyrocket, 10. colonoscopy, 11. determinant, 12. probabilistic, 13. pave, 14. microbiome

15. bio_____al reaction *adj.* relating to the chemical processes and substances that occur within living organisms
16. 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
17. und_____ed cancer *adj.* not perceived or discovered
18. ov_____ok that fact *v.* to fail to notice something; to watch over someone; to provide a view from above
19. ov__t symptoms *adj.* open, evident, or clear, especially in a way that is not intended to be secret
20. de_____e customer confidence *v.* to reduce something, especially supplies of energy, money, etc., by a large amount; to use up resources or materials
21. leave the house und_____ed *adj.* not perceived or discovered
22. chronic hyp_____iac *adj.* pertaining to or suffering from hypochondria, a condition marked by excessive anxiety about one's health and an abnormal concern that one has a serious disease, despite the absence of any physical evidence
23. fin_____nt identification *n.* a unique pattern of ridges and valleys on the surface of a finger that can be used to identify a person
24. Al_____er's risk factors *n.* a neurodegenerative disease that causes memory loss, cognitive decline, and behavioral issues; is the most common cause of dementia in older adults

ANSWERS: 15. biochemical, 16. determinant, 17. undetected, 18. overlook, 19. overt, 20. deplete, 21. undetected, 22. hypochondriac, 23. fingerprint, 24. Alzheimer

25. se____ly connected *adv.* used to introduce the second point or item in a list or series of statements, considerations, etc.
26. de____e us to meet again *v.* to determine or set the course of something in advance, often in a way that seems predetermined or inevitable; to specify or choose someone or something for a particular fate or outcome
27. digital rad_____hy *n.* the use of X-rays or other imaging techniques to take pictures of the internal structures of the human body for medical diagnosis, evaluation, or research purposes
28. rep_____ity measure *n.* the ability of an experiment, study, or result to be replicated or repeated by different researchers or laboratories, often seen as a key aspect of scientific rigor
29. col_____al polyp *adj.* relating to or affecting both the colon (= a part of the large intestine) and the rectum (= a part of the digestive system), often used to refer to medical conditions of the lower digestive system
30. ex___e cigarette smoke *v.* to breathe out air or vapor from the lungs or mouth; to release or emit something slowly or gently
31. asy_____tic infection *adj.* not experiencing or exhibiting any symptoms of a particular disease or condition, even though the individual may be infected or affected by it

ANSWERS: 25. secondly, 26. destine, 27. radiography, 28. reproducibility, 29. colorectal, 30. exhale, 31. asymptomatic

32. pr_____e on his tolerance *v.* to suppose or assume something to be true, often without sufficient evidence or proof; to take liberties, behave impolitely, or overstep one's bounds, often due to arrogance or ignorance
33. hepatic vein thr_____is *n.* the formation or presence of a blood clot that obstructs a blood vessel, thereby impeding blood flow and potentially leading to serious medical complications
34. in_____le patient *adj.* not able to be cured, healed, or remedied; beyond recovery or redemption
35. com_____ize idea *v.* to make something available for sale or use on a large scale
36. col_____al surgery *adj.* relating to or affecting both the colon (= a part of the large intestine) and the rectum (= a part of the digestive system), often used to refer to medical conditions of the lower digestive system
37. com_____ize my patents *v.* to make something available for sale or use on a large scale
38. b__p the horn *v.* to make a short, high-pitched sound, typically as a signal or warning
39. complex bio_____al *adj.* relating to the chemical processes and substances that occur within living organisms
40. Al_____er's brain *n.* a neurodegenerative disease that causes memory loss, cognitive decline, and behavioral issues; is the most common cause of dementia in older adults

ANSWERS: 32. presume, 33. thrombosis, 34. incurable, 35. commercialize, 36. colorectal, 37. commercialize, 38. beep, 39. biochemical, 40. Alzheimer

41. co_____te closely with the quality *v.* to have a connection or relationship in which one thing affects or depends on another
42. se_____ly, it is important *adv.* used to introduce the second point or item in a list or series of statements, considerations, etc.
43. an und_____le masterpiece *adj.* not possible to deny; true or certain
44. thr_____is of the basilar artery *n.* the formation or presence of a blood clot that obstructs a blood vessel, thereby impeding blood flow and potentially leading to serious medical complications
45. asy_____tic carrier *adj.* not experiencing or exhibiting any symptoms of a particular disease or condition, even though the individual may be infected or affected by it
46. be de_____ed to become a great artist *v.* to determine or set the course of something in advance, often in a way that seems predetermined or inevitable; to specify or choose someone or something for a particular fate or outcome
47. pro_____tic approach *adj.* characterized by the influence of chance or probability; involving the use of statistical models or methods to estimate likelihoods or risks
48. pr_____e innocence *v.* to suppose or assume something to be true, often without sufficient evidence or proof; to take liberties, behave impolitely, or overstep one's bounds, often due to arrogance or ignorance

ANSWERS: 41. correlate, 42. secondly, 43. undeniable, 44. thrombosis, 45. asymptomatic, 46. destine, 47. probabilistic, 48. presume

49. ex___e a big sigh *v.* to breathe out air or vapor from the lungs or mouth; to release or emit something slowly or gently
50. p___e a smoother road *v.* to cover something with a hard, flat material such as stones, bricks, or concrete, to make it suitable for travel or use
51. op_____ne occasion *adj.* suitable or happening at a time that is suitable or convenient for a particular purpose
52. ov__t hostility *adj.* open, evident, or clear, especially in a way that is not intended to be secret
53. col_____py screening *n.* a medical procedure in which a flexible tube with a camera on its end is inserted into the rectum to examine the colon for potential abnormalities or diseases
54. an op_____ne remark *adj.* suitable or happening at a time that is suitable or convenient for a particular purpose
55. scientific rep_____ity *n.* the ability of an experiment, study, or result to be replicated or repeated by different researchers or laboratories, often seen as a key aspect of scientific rigor
56. an und_____le fact *adj.* not possible to deny; true or certain
57. b__p out a warning *v.* to make a short, high-pitched sound, typically as a signal or warning
58. ov_____ok a street *v.* to fail to notice something; to watch over someone; to provide a view from above

ANSWERS: 49. exhale, 50. pave, 51. opportune, 52. overt, 53. colonoscopy, 54. opportune, 55. reproducibility, 56. undeniable, 57. beep, 58. overlook

59. sk_____et the cost

v. to rapidly ascend to a very high level;
increase rapidly;

60. co_____te to the size

v. to have a connection or relationship in
which one thing affects or depends on
another

ANSWERS: 59. skyrocket, 60. correlate

Session 3: Fill in the Blanks

1. The timer _____ reminding me that the cake was ready to come out of the oven.
 - v. to make a short, high-pitched sound, typically as a signal or warning

2. If we continue to _____ the Earth's natural resources, we will cause severe damage to the environment.
 - v. to reduce something, especially supplies of energy, money, etc., by a large amount; to use up resources or materials

3. 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

4. The company is trying to _____ its new product.
 - v. to make something available for sale or use on a large scale

5. _____ research is essential to understanding the complex chemical reactions in living organisms.
 - adj. relating to the chemical processes and substances that occur within living organisms

6. The study showed that one-third of infected individuals could remain _____ throughout the disease.
 - adj. not experiencing or exhibiting any symptoms of a particular disease or condition, even though the individual may be infected or affected by it

7. The researchers spent considerable effort to ensure the _____ of their experiments.
 - n. the ability of an experiment, study, or result to be replicated or repeated by different researchers or laboratories, often seen as a key aspect of scientific rigor

ANSWERS: 1. beeped, 2. deplete, 3. determinant, 4. commercialize, 5. Biochemical,

6. asymptomatic, 7. reproducibility

8. He had to undergo a _____ as part of his routine medical check-up.
n. a medical procedure in which a flexible tube with a camera on its end is inserted into the rectum to examine the colon for potential abnormalities or diseases
9. The police used a _____ scanner to identify the suspect.
n. a unique pattern of ridges and valleys on the surface of a finger that can be used to identify a person
10. My grandmother has _____ disease requires special care and attention from her caregivers.
n. a neurodegenerative disease that causes memory loss, cognitive decline, and behavioral issues; is the most common cause of dementia in older adults
11. Production has decreased, but costs and unemployment have _____ dramatically.
v. to rapidly ascend to a very high level; increase rapidly;
12. Her influence on teenagers is _____.
adj. not possible to deny; true or certain
13. We may frequently _____ age with the frequency of disease.
v. to have a connection or relationship in which one thing affects or depends on another
14. His _____ lack of enthusiasm was noticeable to everyone in the room.
adj. open, evident, or clear, especially in a way that is not intended to be secret
15. The light emitted by _____ gas is often used in advertising signs.
n. a chemical element with the symbol Ar that is a colorless, odorless, and inert gas, often used in welding and other industrial processes

ANSWERS: 8. colonoscopy, 9. fingerprint, 10. Alzheimer's, 11. skyrocketed, 12. undeniable, 13. correlate, 14. overt, 15. argon

16. A healthy diet and regular exercise can help reduce the risk of developing _____ cancer.

adj. relating to or affecting both the colon (= a part of the large intestine) and the rectum (= a part of the digestive system), often used to refer to medical conditions of the lower digestive system

17. I _____ you've already made plans for the weekend since you didn't respond to my invitation.

v. to suppose or assume something to be true, often without sufficient evidence or proof; to take liberties, behave impolitely, or overstep one's bounds, often due to arrogance or ignorance

18. Prolonged sitting can increase the risk of _____ in the legs.

n. the formation or presence of a blood clot that obstructs a blood vessel, thereby impeding blood flow and potentially leading to serious medical complications

19. The gut _____ is a major producer of serotonin, which is necessary for human mental stability.

n. the community of microorganisms (= living things too small to be seen) that can usually be found living together in any given environment or the human body

20. Firstly, we will discuss the budget; _____ we will go over the schedule.

adv. used to introduce the second point or item in a list or series of statements, considerations, etc.

21. We cannot _____ an opportunity for great success.

v. to fail to notice something; to watch over someone; to provide a view from above

22. In a _____ system, the outcome is uncertain and can vary based on chance.

adj. characterized by the influence of chance or probability; involving the use of statistical models or methods to estimate likelihoods or risks

ANSWERS: 16. colorectal, 17. presume, 18. thrombosis, 19. microbiome, 20. secondly, 21. overlook, 22. probabilistic

23. The patient was diagnosed with an _____ disease and given only a few months to live.

adj. not able to be cured, healed, or remedied; beyond recovery or redemption

24. He took a deep breath and slowly began to _____.

v. to breathe out air or vapor from the lungs or mouth; to release or emit something slowly or gently

25. Some people believe that we are all _____ for greatness.

v. to determine or set the course of something in advance, often in a way that seems predetermined or inevitable; to specify or choose someone or something for a particular fate or outcome

26. They _____ the courtyard with bricks, giving it a more polished appearance.

v. to cover something with a hard, flat material such as stones, bricks, or concrete, to make it suitable for travel or use

27. The phone rang at the most _____ time.

adj. suitable or happening at a time that is suitable or convenient for a particular purpose

28. Doctors made mistakes, and diseases remained _____.

adj. not perceived or discovered

29. He always had a _____ tendency, constantly worrying about his health.

adj. pertaining to or suffering from hypochondria, a condition marked by excessive anxiety about one's health and an abnormal concern that one has a serious disease, despite the absence of any physical evidence

ANSWERS: 23. incurable, 24. exhale, 25. destined, 26. paved, 27. opportune, 28. undetected, 29. hypochondriac

30. She underwent _____ for her broken arm to determine the extent of the injury.
- n.* the use of X-rays or other imaging techniques to take pictures of the internal structures of the human body for medical diagnosis, evaluation, or research purposes

ANSWERS: 30. radiography