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Vocabulary Builder Reference from...

Fatima AlZahra'a Alatraktchi: To detect diseases earlier, let's speak bacteria's secret language | TED Talk

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

Advanced Words Only

IMPORTANT

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Session 1: Word List

whisper

v. to speak very quietly to somebody using the breath rather than the voice so that only those close to you can hear you

synonym: murmur, rumor, mutter

(1) answer in a **whisper**, (2) the **whisper** of the leaves
He took me aside and **whispered** in my ear.

deceive

v. to cause someone to believe something that is not true, often by telling a lie or creating a false impression

synonym: mislead, dupe, hoodwink

(1) **deceive** to lie, (2) **deceive** skillfully

The magician's illusions were designed to **deceive** the audience into believing they saw something impossible.

nanoscale

adj. on a scale that can be measured in nanometres (= one billionth of a meter); on a very small scale

(1) **nanoscale** device, (2) things at the **nanoscale**

This process improves the strength of the metal by controlling the **nanoscale** lattice structure of the metal.

- spit**
- v. to eject saliva or other liquid from the mouth
synonym: expectorate, saliva, spew
- (1) **spit** a bullet, (2) **spit** a mouthful of saliva
She tried to **spit** out the gum that she had been chewing.
- decode**
- v. to convert something, such as a message or piece of information, from a specific form into one that you can understand
synonym: decipher, translate, interpret
- (1) **decode** a message, (2) ability to **decode** the differences
The software could **decode** the encrypted data and reveal the hidden information.
- infect**
- v. to affect a person, an animal, or a plant with a disease-causing organism
synonym: pollute, contaminate, affect
- (1) **infect** other animal species, (2) **infect** a computer with a virus
Children often **infect** parents with this head cold.
- unplanned**
- adj.* not planned or intended; not having been prearranged or organized
synonym: spontaneous, impromptu, unforeseen
- (1) an **unplanned** economy, (2) **unplanned** visit
The **unplanned** power outage caused much inconvenience.
- subtitle**
- n.* a secondary title or alternate title that is displayed below the primary title often used to provide additional information or translation for a movie or video; a text that appears at the bottom of a movie, TV show, or video to provide a written translation or transcription of the spoken dialogue in another language
synonym: caption, heading, inscription
- (1) chart **subtitle**, (2) foreign-language **subtitle**
Make sure to turn on **subtitles** so you can understand the foreign film.

counterattack

n. an attack made in response to an attack by an enemy or opponent often intended to stop or oppose against it

synonym : retaliation, reprisal, response

(1) gear up for a **counterattack**, (2) launch a **counterattack**

The company launched a **counterattack** against its rivals with a new marketing campaign.

duel

n. formal, one-on-one combat between two people, typically with deadly weapons, often as a means of settling a dispute or seeking revenge

synonym : contest, fight, competition

(1) sword **duel**, (2) **duel** for honor

The **duel** between the two rival knights was a spectacle to see.

organelle

n. a specialized subunit, usually within a cell, that has a specific function

(1) cellular **organelles**, (2) **organelle** protein

Membranes bind these **organelles** together.

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.

rupture

n. a break or tear in something, especially a bodily tissue or a physical object

synonym : fracture, break, tear

(1) a **rupture** between friends, (2) the **rupture** of a blood vessel

A fault line **rupture** can cause significant damage and destruction to surrounding areas.

smear

v. to spread or apply a substance thinly and unevenly over a surface; to slander or accuse someone falsely; (noun) a mark or blot made by smudging, typically a dirty or

greasy one

synonym : smudge, spread, daub

(1) **smear** butter on bread, (2) **smear** of blood

The politician tried to **smear** his opponent's reputation with false accusations.

astonishing

adj. surprising or shocking; difficult to believe

synonym : surprising, shocking, astounding

(1) **astonishing** achievement, (2) make **astonishing** gains

The news of her sudden death was **astonishing** to everyone who knew her.

rev

n. a measure of the rate at which an engine or motor rotates, often expressed in revolutions per minute (RPM); (verb) to increase the number of rotations per minute

synonym : revolution, RPM, speed

(1) low- **rev** engine, (2) **rev** up the crowd

He stepped on the gas pedal, and the engine released a loud **rev**.

cyst

n. a sac, cavity, or abnormal growth in the body that is typically filled with fluid or semisolid material; usually benign but can also be cancerous and require treatment

synonym : abscess, sac, lump

(1) **cyst** removal, (2) ovarian **cyst**

The patient was sent for an X-ray to determine the cause of the **cyst** in her abdomen.

fibrosis

n. the formation of excess fibrous connective tissue in an organ or tissue, often associated with inflammation, scarring, or injury; a pathological condition that can affect various organs and tissues of the body, leading to impaired function and potential organ failure

synonym : scarring, hardening, fibrotic disease

(1) **fibrosis** diagnosis, (2) pulmonary **fibrosis**

The doctor diagnosed him with cardiac **fibrosis**, which put him at risk for heart failure.

sputum

n. mucus and other matter that is coughed up from the respiratory tract, often from the lungs, and expelled through the mouth

synonym : phlegm, spit, mucus

(1) coughing up **sputum**, (2) purulent **sputum**

The doctor asked the patient to provide a **sputum** sample for testing.

eradicate

v. to get rid of or destroy something completely, especially something bad

synonym : destroy, eliminate, exterminate

(1) **eradicate** the deficit, (2) **eradicate** racial discrimination

We are trying to **eradicate** this disease from the world.

deem

v. to consider or decide something in a particular way

synonym : believe, consider, suppose

(1) **deem** socially responsible, (2) **deem** wrong or inappropriate

Regarding earthquakes, some commercial buildings were **deemed** unsafe.

synchronize

v. to happen or cause to happen at the same time or rate

synonym : coordinate, accompany, harmonize

(1) **synchronize** movements, (2) **synchronize** our watches

The ball speed will increase when the lower body movements are perfectly **synchronized**.

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.

Session 2: Spelling

1. op_____ne occasion *adj.* suitable or happening at a time that is suitable or convenient for a particular purpose
2. syn_____ze our watches *v.* to happen or cause to happen at the same time or rate
3. purulent sp____m *n.* mucus and other matter that is coughed up from the respiratory tract, often from the lungs, and expelled through the mouth
4. s__b in the chest *v.* to cause harm with a sharp, pointed object, such as a knife
5. sm__r butter on bread *v.* to spread or apply a substance thinly and unevenly over a surface; to slander or accuse someone falsely; (noun) a mark or blot made by smudging, typically a dirty or greasy one
6. d__m wrong or inappropriate *v.* to consider or decide something in a particular way
7. things at the na_____le *adj.* on a scale that can be measured in nanometres (= one billionth of a meter); on a very small scale
8. chart su_____le *n.* a secondary title or alternate title that is displayed below the primary title often used to provide additional information or translation for a movie or video; a text that appears at the bottom of a movie, TV show, or video to provide a written translation or transcription of the spoken dialogue in another language

ANSWERS: 1. opportune, 2. synchronize, 3. sputum, 4. stab, 5. smear, 6. deem, 7. nanoscale, 8. subtitle

9. in___t a computer with a virus *v.* to affect a person, an animal, or a plant with a disease-causing organism
10. d__l for honor *n.* formal, one-on-one combat between two people, typically with deadly weapons, often as a means of settling a dispute or seeking revenge
11. d__m socially responsible *v.* to consider or decide something in a particular way
12. make ast_____ng gains *adj.* surprising or shocking; difficult to believe
13. ovarian c__t *n.* a sac, cavity, or abnormal growth in the body that is typically filled with fluid or semisolid material; usually benign but can also be cancerous and require treatment
14. coughing up sp___m *n.* mucus and other matter that is coughed up from the respiratory tract, often from the lungs, and expelled through the mouth
15. the wh____r of the leaves *v.* to speak very quietly to somebody using the breath rather than the voice so that only those close to you can hear you
16. or_____le protein *n.* a specialized subunit, usually within a cell, that has a specific function
17. ast_____ng achievement *adj.* surprising or shocking; difficult to believe
18. er_____te racial discrimination *v.* to get rid of or destroy something completely, especially something bad
19. sm__r of blood *v.* to spread or apply a substance thinly and unevenly over a surface; to slander or accuse someone falsely; (noun) a mark or blot made by smudging, typically a dirty or greasy one

ANSWERS: 9. infect, 10. duel, 11. deem, 12. astonishing, 13. cyst, 14. sputum, 15. whisper, 16. organelle, 17. astonishing, 18. eradicate, 19. smear

20. na_____le device *adj.* on a scale that can be measured in nanometres (= one billionth of a meter); on a very small scale
21. syn_____ze movements *v.* to happen or cause to happen at the same time or rate
22. foreign-language su_____le *n.* a secondary title or alternate title that is displayed below the primary title often used to provide additional information or translation for a movie or video; a text that appears at the bottom of a movie, TV show, or video to provide a written translation or transcription of the spoken dialogue in another language
23. gear up for a cou_____ack *n.* an attack made in response to an attack by an enemy or opponent often intended to stop or oppose against it
24. launch a cou_____ack *n.* an attack made in response to an attack by an enemy or opponent often intended to stop or oppose against it
25. de_____e to lie *v.* to cause someone to believe something that is not true, often by telling a lie or creating a false impression
26. a ru_____e between friends *n.* a break or tear in something, especially a bodily tissue or a physical object
27. answer in a wh_____r *v.* to speak very quietly to somebody using the breath rather than the voice so that only those close to you can hear you
28. r_v up the crowd *n.* a measure of the rate at which an engine or motor rotates, often expressed in revolutions per minute (RPM); (verb) to increase the number of rotations per minute

ANSWERS: 20. nanoscale, 21. synchronize, 22. subtitle, 23. counterattack, 24. counterattack, 25. deceive, 26. rupture, 27. whisper, 28. rev

29. c__t removal *n.* a sac, cavity, or abnormal growth in the body that is typically filled with fluid or semisolid material; usually benign but can also be cancerous and require treatment
30. s__t a bullet *v.* to eject saliva or other liquid from the mouth
31. an op_____ne remark *adj.* suitable or happening at a time that is suitable or convenient for a particular purpose
32. s__t a mouthful of saliva *v.* to eject saliva or other liquid from the mouth
33. in___t other animal species *v.* to affect a person, an animal, or a plant with a disease-causing organism
34. ability to de___e the differences *v.* to convert something, such as a message or piece of information, from a specific form into one that you can understand
35. the ru_____e of a blood vessel *n.* a break or tear in something, especially a bodily tissue or a physical object
36. fi_____is diagnosis *n.* the formation of excess fibrous connective tissue in an organ or tissue, often associated with inflammation, scarring, or injury; a pathological condition that can affect various organs and tissues of the body, leading to impaired function and potential organ failure
37. pulmonary fi_____is *n.* the formation of excess fibrous connective tissue in an organ or tissue, often associated with inflammation, scarring, or injury; a pathological condition that can affect various organs and tissues of the body, leading to impaired function and potential organ failure

ANSWERS: 29. cyst, 30. spit, 31. opportune, 32. spit, 33. infect, 34. decode, 35.

rupture, 36. fibrosis, 37. fibrosis

38. er_____te the deficit *v.* to get rid of or destroy something completely, especially something bad
39. de_____e skillfully *v.* to cause someone to believe something that is not true, often by telling a lie or creating a false impression
40. cellular or_____les *n.* a specialized subunit, usually within a cell, that has a specific function
41. de___e a message *v.* to convert something, such as a message or piece of information, from a specific form into one that you can understand
42. s__b at the enemy with a knife *v.* to cause harm with a sharp, pointed object, such as a knife
43. sword d__l *n.* formal, one-on-one combat between two people, typically with deadly weapons, often as a means of settling a dispute or seeking revenge
44. low-r_v engine *n.* a measure of the rate at which an engine or motor rotates, often expressed in revolutions per minute (RPM); (*v.*) to increase the number of rotations per minute
45. un_____ed visit *adj.* not planned or intended; not having been prearranged or organized
46. an un_____ed economy *adj.* not planned or intended; not having been prearranged or organized

ANSWERS: 38. eradicate, 39. deceive, 40. organelle, 41. decode, 42. stab, 43. duel, 44. rev, 45. unplanned, 46. unplanned

Session 3: Fill in the Blanks

1. Make sure to turn on _____ so you can understand the foreign film.
 - n.* a secondary title or alternate title that is displayed below the primary title often used to provide additional information or translation for a movie or video; a text that appears at the bottom of a movie, TV show, or video to provide a written translation or transcription of the spoken dialogue in another language

2. The doctor asked the patient to provide a _____ sample for testing.
 - n.* mucus and other matter that is coughed up from the respiratory tract, often from the lungs, and expelled through the mouth

3. The company launched a _____ against its rivals with a new marketing campaign.
 - n.* an attack made in response to an attack by an enemy or opponent often intended to stop or oppose against it

4. Children often _____ parents with this head cold.
 - v.* to affect a person, an animal, or a plant with a disease-causing organism

5. The _____ between the two rival knights was a spectacle to see.
 - n.* formal, one-on-one combat between two people, typically with deadly weapons, often as a means of settling a dispute or seeking revenge

6. He stepped on the gas pedal, and the engine released a loud _____.
 - n.* a measure of the rate at which an engine or motor rotates, often expressed in revolutions per minute (RPM); (verb) to increase the number of rotations per minute

7. She tried to _____ out the gum that she had been chewing.
 - v.* to eject saliva or other liquid from the mouth

ANSWERS: 1. subtitles, 2. sputum, 3. counterattack, 4. infect, 5. duel, 6. rev, 7. spit

8. The politician tried to _____ his opponent's reputation with false accusations.
- v. to spread or apply a substance thinly and unevenly over a surface; to slander or accuse someone falsely; (noun) a mark or blot made by smudging, typically a dirty or greasy one
9. A fault line _____ can cause significant damage and destruction to surrounding areas.
- n. a break or tear in something, especially a bodily tissue or a physical object
10. He was _____ many times with scissors.
- v. to cause harm with a sharp, pointed object, such as a knife
11. He took me aside and _____ in my ear.
- v. to speak very quietly to somebody using the breath rather than the voice so that only those close to you can hear you
12. The magician's illusions were designed to _____ the audience into believing they saw something impossible.
- v. to cause someone to believe something that is not true, often by telling a lie or creating a false impression
13. The patient was sent for an X-ray to determine the cause of the _____ in her abdomen.
- n. a sac, cavity, or abnormal growth in the body that is typically filled with fluid or semisolid material; usually benign but can also be cancerous and require treatment
14. The software could _____ the encrypted data and reveal the hidden information.
- v. to convert something, such as a message or piece of information, from a specific form into one that you can understand

ANSWERS: 8. smear, 9. rupture, 10. stabbed, 11. whispered, 12. deceive, 13. cyst, 14. decode

15. Regarding earthquakes, some commercial buildings were _____ unsafe.
v. to consider or decide something in a particular way
16. The _____ power outage caused much inconvenience.
adj. not planned or intended; not having been prearranged or organized
17. Membranes bind these _____ together.
n. a specialized subunit, usually within a cell, that has a specific function
18. The doctor diagnosed him with cardiac _____ which put him at risk for heart failure.
n. the formation of excess fibrous connective tissue in an organ or tissue, often associated with inflammation, scarring, or injury; a pathological condition that can affect various organs and tissues of the body, leading to impaired function and potential organ failure
19. The ball speed will increase when the lower body movements are perfectly _____.
v. to happen or cause to happen at the same time or rate
20. We are trying to _____ this disease from the world.
v. to get rid of or destroy something completely, especially something bad
21. The news of her sudden death was _____ to everyone who knew her.
adj. surprising or shocking; difficult to believe
22. This process improves the strength of the metal by controlling the _____ lattice structure of the metal.
adj. on a scale that can be measured in nanometres (= one billionth of a meter); on a very small scale

ANSWERS: 15. deemed, 16. unplanned, 17. organelles, 18. fibrosis, 19. synchronized, 20. eradicate, 21. astonishing, 22. nanoscale

23. The phone rang at the most _____ time.

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

ANSWERS: 23. opportune