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Vocabulary Builder Reference from...

Krista Donaldson: The \$80 prosthetic knee that's changing lives | TED Talk

https://www.ted.com/talks/krista_donaldson_the_80_prosthetic_knee_that_s_changing_lives

Advanced Words Only

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Session 1: Word List

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.

prosthetic

adj. of or relating to an artificial part of the body, such as a limb, a heart, or a breast implant

(1) have **prosthetic** arms, (2) **prosthetic** limbs

New **prosthetic** joints are less prone to metal poisoning.

amputee

n. a person who has had an arm or a leg cut off

(1) quadruple **amputee**, (2) **amputee** runner

Amputees often experience an illusion of a phantom limb.

chant

n. a simple melody or tune, typically one that is repeated or sung in a monotonous way; (verb) recite with musical intonation

synonym: hymn, mantra, (verb) recite

(1) **chant** melodies, (2) **chant** in the chapel

The soccer game crowd broke into a **chant** of "Go, team, go!"

pant

v. to breathe quickly and shallowly, often because of exertion, excitement, or fear; to gasp or heave for breath

synonym: breathe, gasp, puff

(1) **pant** for breath, (2) **pant** with excitement

After running five miles nonstop in the hot sun, he began to **pant** heavily.

microprocessor

n. a computer component containing all the functions of the central processing unit

synonym: IC, chip, microchip

(1) **microprocessor** chip, (2) dedicated **microprocessor**

As a result of improvements in **microprocessor** performance, many consumer electronics products are now Internet-connected.

titanic

adj. of or having a great size, power, or influence; of or relating to Titanium (= a light, strong grey, lustrous, corrosion-resistant metallic element)

synonym: colossal, massive, immense

(1) **titanic** battle, (2) **titanic** compound

The **titanic** ship sank on its maiden voyage.

mimic

v. to imitate someone's speech, movement, or behavior, especially to make others laugh

synonym: mirror, imitate, ape

(1) **mimic** a human voice, (2) **mimic** numerous instruments

He is very popular at school because he can **mimic** all the teachers' accents.

hinge

n. a joint that holds the edge of a door, window, lid, etc. and allows it to open or close

synonym: joint, pivot

(1) a stiff **hinge**, (2) insecure **hinge**

His involvement is the **hinge** of our plan.

- rot** v. to decay, or cause something to decay, naturally and gradually
synonym : perish, decay, corrode
(1) begin to **rot**, (2) **rot** with age
Please refrigerate the meat, or it will **rot**.
- pylon** n. a tall, vertical structure used to support cables or wires, typically made of metal or concrete
synonym : tower, pillar, column
(1) **pylon** installation, (2) engine **pylon**
The transmission of electricity over long distances often requires the use of **pylons** to maintain the electrical cables.
- gait** n. a person's manner of walking, running, or moving on foot; a particular pattern or style of movement or locomotion
synonym : pace, stride, step
(1) awkward **gait**, (2) brisk **gait**
The older woman's **gait** was slow and unsteady.
- 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**.
- squat** v. to crouch or sit with one's knees bent and one's heels close to or touching one's buttocks; to occupy a space, usually a place that is not designed for human habitation or use; (noun) a physical exercise that involves holding a position similar to sitting with the knees bent and the thighs parallel to the ground
synonym : crouch, hunch, sit
(1) **squat** behind a tree, (2) **squat** exercise
I need to **squat** down to pick up the pen from the floor.

kneel

v. to rest on someone's knee or knees

synonym: genuflect, crouch, bend

(1) **kneel** down and worship, (2) **kneel** in protest

The players are **kneeling** during the national anthem.

obsess

v. to fill the mind of someone continually so that one can't think of anything else

synonym: torment, beset, engross

(1) **obsess** over her weight, (2) he is **obsessed** with the fear

He's utterly **obsessed** with his promotion.

dampen

v. to make something wet or moist; to reduce the intensity or impact of something, such as a feeling, sound, or movement

synonym: drench, moisten, saturate

(1) **dampen** the sound, (2) **dampen** the enthusiasm

The rain helped **dampen** the flames of the campfire.

sari

n. a garment worn primarily by women from the Indian subcontinent, consisting of a length of fabric that is draped and wrapped around the body in various styles

synonym: shawl, wrap, veil

(1) **sari** blouse, (2) silk **sari**

She wore a beautiful **sari** to the wedding, which was bright and colorful.

stigma

n. a mark of shame or disgrace associated with a particular circumstance, quality, or person

synonym: mark, blemish, disgrace

(1) social **stigma**, (2) **stigma** against obesity

The mental health **stigma** often prevents people from seeking treatment.

subsidize

v. to pay part of the cost of something to support an organization, activity, etc. financially

synonym: finance, endow, sponsor

(1) **subsidize** the project, (2) **subsidize** the cost
Governments **subsidize** renewable energy generation in various ways.

industrious

adj. hardworking, diligent, and persistent in effort

synonym: diligent, hardworking, assiduous

(1) **industrious** worker, (2) **industrious** student

He was known to be very **industrious** and would often work late into the night.

Session 2: Spelling

- | | |
|---------------------------|---|
| 1. mic_____sor chip | <i>n.</i> a computer component containing all the functions of the central processing unit |
| 2. ind_____us student | <i>adj.</i> hardworking, diligent, and persistent in effort |
| 3. ti_____c compound | <i>adj.</i> of or having a great size, power, or influence; of or relating to Titanium (= a light, strong grey, lustrous, corrosion-resistant metallic element) |
| 4. da___n the enthusiasm | <i>v.</i> to make something wet or moist; to reduce the intensity or impact of something, such as a feeling, sound, or movement |
| 5. dedicated mic_____sor | <i>n.</i> a computer component containing all the functions of the central processing unit |
| 6. brisk g__t | <i>n.</i> a person's manner of walking, running, or moving on foot; a particular pattern or style of movement or locomotion |
| 7. kn__l down and worship | <i>v.</i> to rest on someone's knee or knees |
| 8. r_t with age | <i>v.</i> to decay, or cause something to decay, naturally and gradually |
| 9. da___n the sound | <i>v.</i> to make something wet or moist; to reduce the intensity or impact of something, such as a feeling, sound, or movement |

ANSWERS: 1. microprocessor, 2. industrious, 3. titanic, 4. dampen, 5. microprocessor, 6. gait, 7. kneel, 8. rot, 9. dampen

10. insecure hi__e *n.* a joint that holds the edge of a door, window, lid, etc. and allows it to open or close
11. su_____ze the cost *v.* to pay part of the cost of something to support an organization, activity, etc. financially
12. imp_____ion on stage *n.* the act of making something up on the spot or creating or performing something without preparation
13. su_____ze the project *v.* to pay part of the cost of something to support an organization, activity, etc. financially
14. sq__t behind a tree *v.* to crouch or sit with one's knees bent and one's heels close to or touching one's buttocks; to occupy a space, usually a place that is not designed for human habitation or use; (noun) a physical exercise that involves holding a position similar to sitting with the knees bent and the thighs parallel to the ground
15. social st___a *n.* a mark of shame or disgrace associated with a particular circumstance, quality, or person
16. p__t with excitement *v.* to breathe quickly and shallowly, often because of exertion, excitement, or fear; to gasp or heave for breath
17. quadruple am_____e *n.* a person who has had an arm or a leg cut off
18. awkward g__t *n.* a person's manner of walking, running, or moving on foot; a particular pattern or style of movement or locomotion

ANSWERS: 10. hinge, 11. subsidize, 12. improvisation, 13. subsidize, 14. squat, 15. stigma, 16. pant, 17. amputee, 18. gait

19. pro_____ic limbs *adj.* of or relating to an artificial part of the body, such as a limb, a heart, or a breast implant
20. he is ob___sed with the fear *v.* to fill the mind of someone continually so that one can't think of anything else
21. ch__t in the chapel *n.* a simple melody or tune, typically one that is repeated or sung in a monotonous way; (verb) recite with musical intonation
22. begin to r_t *v.* to decay, or cause something to decay, naturally and gradually
23. st___a against obesity *n.* a mark of shame or disgrace associated with a particular circumstance, quality, or person
24. mi__c numerous instruments *v.* to imitate someone's speech, movement, or behavior, especially to make others laugh
25. s__i blouse *n.* a garment worn primarily by women from the Indian subcontinent, consisting of a length of fabric that is draped and wrapped around the body in various styles
26. have pro_____ic arms *adj.* of or relating to an artificial part of the body, such as a limb, a heart, or a breast implant
27. 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

ANSWERS: 19. prosthetic, 20. obsess, 21. chant, 22. rot, 23. stigma, 24. mimic, 25. sari, 26. prosthetic, 27. electrify

28. 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
29. mi__c a human voice *v.* to imitate someone's speech, movement, or behavior, especially to make others laugh
30. kn__l in protest *v.* to rest on someone's knee or knees
31. p__t for breath *v.* to breathe quickly and shallowly, often because of exertion, excitement, or fear; to gasp or heave for breath
32. silk s__i *n.* a garment worn primarily by women from the Indian subcontinent, consisting of a length of fabric that is draped and wrapped around the body in various styles
33. py__n installation *n.* a tall, vertical structure used to support cables or wires, typically made of metal or concrete
34. a stiff hi__e *n.* a joint that holds the edge of a door, window, lid, etc. and allows it to open or close
35. engine py__n *n.* a tall, vertical structure used to support cables or wires, typically made of metal or concrete
36. jazz imp_____ion *n.* the act of making something up on the spot or creating or performing something without preparation
37. ch__t melodies *n.* a simple melody or tune, typically one that is repeated or sung in a monotonous way; (verb) recite with musical intonation

ANSWERS: 28. electrify, 29. mimic, 30. kneel, 31. pant, 32. sari, 33. pylon, 34. hinge, 35. pylon, 36. improvisation, 37. chant

38. am____e runner *n.* a person who has had an arm or a leg cut off
39. ind____us worker *adj.* hardworking, diligent, and persistent in effort
40. sq__t exercise *v.* to crouch or sit with one's knees bent and one's heels close to or touching one's buttocks; to occupy a space, usually a place that is not designed for human habitation or use; (noun) a physical exercise that involves holding a position similar to sitting with the knees bent and the thighs parallel to the ground
41. ti____c battle *adj.* of or having a great size, power, or influence; of or relating to Titanium (= a light, strong grey, lustrous, corrosion-resistant metallic element)
42. ob____s over her weight *v.* to fill the mind of someone continually so that one can't think of anything else

ANSWERS: 38. amputee, 39. industrious, 40. squat, 41. titanic, 42. obsess

Session 3: Fill in the Blanks

1. She wore a beautiful _____ to the wedding, which was bright and colorful.
n. a garment worn primarily by women from the Indian subcontinent, consisting of a length of fabric that is draped and wrapped around the body in various styles

2. The _____ ship sank on its maiden voyage.
adj. of or having a great size, power, or influence; of or relating to Titanium (= a light, strong grey, lustrous, corrosion-resistant metallic element)

3. He's utterly _____ with his promotion.
v. to fill the mind of someone continually so that one can't think of anything else

4. 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

5. The older woman's _____ was slow and unsteady.
n. a person's manner of walking, running, or moving on foot; a particular pattern or style of movement or locomotion

6. After running five miles nonstop in the hot sun, he began to _____ heavily.
v. to breathe quickly and shallowly, often because of exertion, excitement, or fear; to gasp or heave for breath

7. The players are _____ during the national anthem.
v. to rest on someone's knee or knees

8. The soccer game crowd broke into a _____ of "Go, team, go!"
n. a simple melody or tune, typically one that is repeated or sung in a monotonous way; (verb) recite with musical intonation

ANSWERS: 1. sari, 2. titanic, 3. obsessed, 4. improvisation, 5. gait, 6. pant, 7. kneeling, 8. chant

9. He was known to be very _____ and would often work late into the night.
adj. hardworking, diligent, and persistent in effort
10. I need to _____ down to pick up the pen from the floor.
v. to crouch or sit with one's knees bent and one's heels close to or touching one's buttocks; to occupy a space, usually a place that is not designed for human habitation or use; (noun) a physical exercise that involves holding a position similar to sitting with the knees bent and the thighs parallel to the ground
11. Governments _____ renewable energy generation in various ways.
v. to pay part of the cost of something to support an organization, activity, etc. financially
12. _____ often experience an illusion of a phantom limb.
n. a person who has had an arm or a leg cut off
13. Please refrigerate the meat, or it will _____.
v. to decay, or cause something to decay, naturally and gradually
14. 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
15. He is very popular at school because he can _____ all the teachers' accents.
v. to imitate someone's speech, movement, or behavior, especially to make others laugh
16. His involvement is the _____ of our plan.
n. a joint that holds the edge of a door, window, lid, etc. and allows it to open or close

ANSWERS: 9. industrious, 10. squat, 11. subsidize, 12. Amputees, 13. rot, 14. electrify, 15. mimic, 16. hinge

17. New _____ joints are less prone to metal poisoning.
adj. of or relating to an artificial part of the body, such as a limb, a heart, or a breast implant
18. The mental health _____ often prevents people from seeking treatment.
n. a mark of shame or disgrace associated with a particular circumstance, quality, or person
19. The rain helped _____ the flames of the campfire.
v. to make something wet or moist; to reduce the intensity or impact of something, such as a feeling, sound, or movement
20. The transmission of electricity over long distances often requires the use of _____ to maintain the electrical cables.
n. a tall, vertical structure used to support cables or wires, typically made of metal or concrete
21. As a result of improvements in _____ performance, many consumer electronics products are now Internet-connected.
n. a computer component containing all the functions of the central processing unit

ANSWERS: 17. prosthetic, 18. stigma, 19. dampen, 20. pylons, 21. microprocessor