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Vocabulary Builder Reference from...

James Logan: Can dogs sniff out malaria? | TED Talk

https://www.ted.com/talks/james_logan_can_dogs_sniff_out_malaria_jan_2019

Advanced Words Only

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Session 1: Word List

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.

haystack

n. a large mound of hay, usually stacked in a conical or cylindrical shape, used for animal feed or bedding

synonym: pile, heap, stack

(1) **haystack** fire, (2) lost in a **haystack**

The children played hide and seek in the **haystacks** in the barnyard.

inhale

v. to breathe in air or a different substance, such as smoke

synonym: breathe in, take in, draw in

(1) **inhale** the smoke, (2) **inhale** the aroma

He **inhaled** deeply, trying to calm down.

armpit

n. the hollow under the arm where it joins the shoulder

synonym: underarm, axilla

(1) hair of the **armpits**, (2) **armpit** area

This stick will deodorize your **armpits**.

sniff

v. to inhale audibly through the nose, often to detect or identify a smell; to draw in air through the nostrils with a quick, audible intake of breath

synonym : smell, inhale, scent

(1) **sniff** the air, (2) **sniff** the perfume

The dog stopped to **sniff** around the tree, looking for something interesting.

typhoid

n. a severe bacterial infection that is typically spread through contaminated food or water; symptoms include fever, headache, muscle aches, and gastrointestinal problems

synonym : typhus, enteric fever

(1) **typhoid** outbreak, (2) **typhoid** vaccination

The doctor prescribed antibiotics to treat her **typhoid** symptoms.

stale

adj. no longer fresh, new, or interesting; dull or uninteresting

synonym : old, uninteresting, dull

(1) a **stale** joke, (2) **stale** smell

The bread was **stale** and not fit for eating.

butcher

n. a person who prepares and sells meat, especially at a retail shop; a person who kills or slaughters animals, especially for food; a person who engages in the relentless or brutal treatment of others

synonym : butcherer, meat cutter, slaughterer

(1) **butcher** knife, (2) local **butcher**

He's a vegetarian and was shocked to see so much meat in the **butcher** shop.

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**.

putrid

adj. decaying or rotting and emitting a foul or offensive odor; morally corrupt, foul, or depraved; repulsive or disgusting

synonym : rotten, decaying, decomposing

(1) turn **putrid**, (2) **putrid** atmosphere

I had to throw away the **putrid** food in the fridge because it had gone bad.

pungent

adj. having a strong, sharp odor or taste

synonym : sharp, acrid, biting

(1) **pungent** criticism, (2) **pungent** taste

The **pungent** aroma of garlic filled the kitchen.

mosquito

n. a small flying insect whose female bites people and animals and sucks their blood, and sometimes transmits serious diseases such as malaria

synonym : insect, bug, flea

(1) **mosquito** bite, (2) **mosquito** repellent

A stagnant water area are breeding ground for **mosquitos**.

bombard

v. to attack a place with bombs or gunshots continuously; to address with continuously or persistently, as if with a barrage

synonym : bomb, shoot, blitz

(1) **bombard** him with questions, (2) **bombard** a fort with heavy shells

Overprotective parents often **bombard** their children with messages reinforcing their lack of mastery.

smelly

adj. having a strong, unpleasant, or offensive odor, particularly about something decomposing or otherwise spoiled

synonym : stinky, malodorous, fetid

(1) **smelly** socks, (2) **smelly** trash

I can't stand the **smelly** odor from the garbage can, and it's unbearable.

repellent

adj. serving to drive away or repel something; unpleasant or offensive and causing a strong sense of aversion or disgust

synonym : disgusting, repulsive, offensive

(1) **repellent** odor, (2) **repellent** properties

She avoided the used car salesman because she found his pushy behavior **repellent**.

sludge

n. a thick, wet mixture of liquid and solid matter, typically one that is unpleasant or harmful

synonym : muck, ooze, mire

(1) **sludge** treatment, (2) **sludge** removal

The **sludge** at the bottom of the river was a toxic hazard for marine life.

parasite

n. an organism that lives on or in another organism and benefits by deriving nutrients at the other's expense

synonym : hitchhiker, leech, saprophyte

(1) blood-sucking **parasite**, (2) **parasite** disease

Tapeworms are **parasites** that live in the intestines of humans and animals.

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.

saliva

n. the clear liquid that is secreted into the mouth by glands in the walls of the mouth and throat, helping to lubricate food during chewing and digestion

synonym : spit, drool, slobber

(1) dog's **saliva**, (2) dry mouth with little **saliva**

The dentist asked him to spit out the excess **saliva** into the sink.

inject

v. to put a liquid such as a drug or other substance into a person's or an animal's body using a needle and syringe (= small tube)

synonym: shoot, infiltrate, insinuate

(1) **inject** under the skin, (2) **inject** a personal opinion into a debate

Let's try to **inject** a bit of enthusiasm into your performance.

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**.

trait

n. a particular feature of your nature

synonym: attribute, feature, quality

(1) chemical **trait**, (2) personality **traits**

Multiple genes may influence behavioral **traits** concurrently.

beacon

n. a light or other visible object serving as a signal, guide, or warning

synonym: lighthouse, guidepost, marker

(1) an aerial **beacon**, (2) **beacon** of hope

The lighthouse served as a **beacon** to guide ships safely into port.

olfaction

n. the sense of smell; the ability to detect and perceive odors or scents

synonym: smell, scent, aroma

(1) **olfaction** testing, (2) **olfaction** receptors

Some animals have better **olfaction** than humans, enabling them to detect prey from farther away.

fiddle

v. to continuously touch or manipulate something with someone's hands, mainly when bored or nervous; to act dishonestly to try to get money, information, etc., or gain an advantage

synonym: tinker, diddle, play

(1) **fiddle** with a PC, (2) **fiddle** away the whole afternoon
She was able to **fiddle** a free trip to the United States.

sneeze

v. to make a sudden, involuntary expulsion of air from the nose and mouth, usually due to irritation caused by the presence of dust, pollen, or other irritants

synonym: exhale, whiff, blow

(1) **sneeze** into my hand, (2) **sneeze** loudly
Whenever I get a cold, I tend to **sneeze** a lot.

raspberry

n. a sweet and tart edible fruit that grows on bushes, usually with a soft red or black color and a rough texture on the outside

synonym: blackberry, bramble, dewberry

(1) **raspberry** flavor, (2) **raspberry** tea

The **raspberry** cheesecake at that restaurant is out of this world.

aldehyde

n. a type of organic chemical compound that features a carbonyl group (a carbon atom double-bonded to an oxygen atom) at the end of a carbon chain, often used in the manufacture of various products, including plastics, solvents and fragrances

(1) **aldehyde** molecule, (2) glyoxylic **aldehyde**

The **aldehyde** group is a key functional group in organic chemistry.

lug

v. to carry or drag something with effort; to pull something along with a sudden or jerky motion

synonym: carry, haul, transport

(1) **lug** a hose, (2) **lug** my son into a room

He had to **lug** the heavy suitcase up the stairs.

contraption

n. a machine or device that is made up of a combination of interconnected parts and often appears complicated or unusual

synonym: device, gadget, machinery

(1) farming **contraption**, (2) complicated **contraption**
The inventor created a **contraption** that could turn salt water into drinking water.

applause

n. a demonstration of approval or praise by clapping the hands together

synonym: clapping, cheering, acclaim

(1) round of **applause**, (2) earn **applause**

The **applause** burst from the audience.

empower

v. to give someone the power or authority to do something

synonym: authorize, endow, entitle

(1) **empower** my life, (2) **empower** the secretary to do the same

The company **empowered** employees to buy low-price items without approval to achieve efficient purchasing.

smartwatch

n. a wearable computing device in the form of a watch

(1) high-end **smartwatch**, (2) multifunctional **smartwatch**

Various companies, including software companies, are entering the **smartwatch** market.

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.

amaze

v. to fill with wonder, surprise, or admiration

synonym: astound, surprise, stagger

(1) **amaze** and entertain visitors, (2) **amaze** everyone

The magician's tricks **amazed** the audience.

Session 2: Spelling

1. a st__e joke *adj.* no longer fresh, new, or interesting; dull or uninteresting
2. in___e the aroma *v.* to breathe in air or a different substance, such as smoke
3. high-end sma_____ch *n.* a wearable computing device in the form of a watch
4. mo_____to bite *n.* a small flying insect whose female bites people and animals and sucks their blood, and sometimes transmits serious diseases such as malaria
5. multifunctional sma_____ch *n.* a wearable computing device in the form of a watch
6. ra_____ry flavor *n.* a sweet and tart edible fruit that grows on bushes, usually with a soft red or black color and a rough texture on the outside
7. in___t under the skin *v.* to put a liquid such as a drug or other substance into a person's or an animal's body using a needle and syringe (= small tube)
8. er_____te racial discrimination *v.* to get rid of or destroy something completely, especially something bad
9. em_____r the secretary to do the same *v.* to give someone the power or authority to do something
10. ty_____d outbreak *n.* a severe bacterial infection that is typically spread through contaminated food or water; symptoms include fever, headache, muscle aches, and gastrointestinal problems

ANSWERS: 1. stale, 2. inhale, 3. smartwatch, 4. mosquito, 5. smartwatch, 6. raspberry, 7. inject, 8. eradicate, 9. empower, 10. typhoid

11. in___e the smoke *v.* to breathe in air or a different substance, such as smoke
12. sn__f the air *v.* to inhale audibly through the nose, often to detect or identify a smell; to draw in air through the nostrils with a quick, audible intake of breath
13. blood-sucking pa_____te *n.* an organism that lives on or in another organism and benefits by deriving nutrients at the other's expense
14. dog's sa___a *n.* the clear liquid that is secreted into the mouth by glands in the walls of the mouth and throat, helping to lubricate food during chewing and digestion
15. hair of the ar___ts *n.* the hollow under the arm where it joins the shoulder
16. complicated con_____on *n.* a machine or device that is made up of a combination of interconnected parts and often appears complicated or unusual
17. sn___e loudly *v.* to make a sudden, involuntary expulsion of air from the nose and mouth, usually due to irritation caused by the presence of dust, pollen, or other irritants
18. personality tr__ts *n.* a particular feature of your nature
19. round of ap_____se *n.* a demonstration of approval or praise by clapping the hands together
20. sm___y trash *adj.* having a strong, unpleasant, or offensive odor, particularly about something decomposing or otherwise spoiled

ANSWERS: 11. inhale, 12. sniff, 13. parasite, 14. saliva, 15. armpit, 16. contraption, 17. sneeze, 18. trait, 19. applause, 20. smelly

21. sn__f the perfume *v.* to inhale audibly through the nose, often to detect or identify a smell; to draw in air through the nostrils with a quick, audible intake of breath
22. 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
23. begin to r_t *v.* to decay, or cause something to decay, naturally and gradually
24. in___t other animal species *v.* to affect a person, an animal, or a plant with a disease-causing organism
25. sl___e treatment *n.* a thick, wet mixture of liquid and solid matter, typically one that is unpleasant or harmful
26. 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
27. bu____r knife *n.* a person who prepares and sells meat, especially at a retail shop; a person who kills or slaughters animals, especially for food; a person who engages in the relentless or brutal treatment of others
28. in___t a personal opinion into a debate *v.* to put a liquid such as a drug or other substance into a person's or an animal's body using a needle and syringe (= small tube)

ANSWERS: 21. sniff, 22. cyst, 23. rot, 24. infect, 25. sludge, 26. cyst, 27. butcher, 28. inject

29. earn ap_____se *n.* a demonstration of approval or praise by clapping the hands together
30. ty_____d vaccination *n.* a severe bacterial infection that is typically spread through contaminated food or water; symptoms include fever, headache, muscle aches, and gastrointestinal problems
31. in____t a computer with a virus *v.* to affect a person, an animal, or a plant with a disease-causing organism
32. fi____e away the whole afternoon *v.* to continuously touch or manipulate something with someone's hands, mainly when bored or nervous; to act dishonestly to try to get money, information, etc., or gain an advantage
33. em_____r my life *v.* to give someone the power or authority to do something
34. pa_____te disease *n.* an organism that lives on or in another organism and benefits by deriving nutrients at the other's expense
35. st__e smell *adj.* no longer fresh, new, or interesting; dull or uninteresting
36. lost in a ha_____ck *n.* a large mound of hay, usually stacked in a conical or cylindrical shape, used for animal feed or bedding
37. r_t with age *v.* to decay, or cause something to decay, naturally and gradually
38. am__e everyone *v.* to fill with wonder, surprise, or admiration
39. al_____de molecule *n.* a type of organic chemical compound that features a carbonyl group (a carbon atom double-bonded to an oxygen atom) at the end of a carbon chain, often used in the manufacture of various products, including plastics, solvents and fragrances

ANSWERS: 29. applause, 30. typhoid, 31. infect, 32. fiddle, 33. empower, 34. parasite, 35. stale, 36. haystack, 37. rot, 38. amaze, 39. aldehyde

40. am__e and entertain visitors *v.* to fill with wonder, surprise, or admiration
41. be___n of hope *n.* a light or other visible object serving as a signal, guide, or warning
42. bo____d a fort with heavy shells *v.* to attack a place with bombs or gunshots continuously; to address with continuously or persistently, as if with a barrage
43. dry mouth with little sa___a *n.* the clear liquid that is secreted into the mouth by glands in the walls of the mouth and throat, helping to lubricate food during chewing and digestion
44. ra_____ry tea *n.* a sweet and tart edible fruit that grows on bushes, usually with a soft red or black color and a rough texture on the outside
45. blo_____am in an artery *n.* the blood flowing through the body
46. bo____d him with questions *v.* to attack a place with bombs or gunshots continuously; to address with continuously or persistently, as if with a barrage
47. sl___e removal *n.* a thick, wet mixture of liquid and solid matter, typically one that is unpleasant or harmful
48. mo_____to repellent *n.* a small flying insect whose female bites people and animals and sucks their blood, and sometimes transmits serious diseases such as malaria
49. l_g a hose *v.* to carry or drag something with effort; to pull something along with a sudden or jerky motion

ANSWERS: 40. amaze, 41. beacon, 42. bombard, 43. saliva, 44. raspberry, 45. bloodstream, 46. bombard, 47. sludge, 48. mosquito, 49. lug

50. farming con_____on *n.* a machine or device that is made up of a combination of interconnected parts and often appears complicated or unusual
51. re_____nt properties *adj.* serving to drive away or repel something; unpleasant or offensive and causing a strong sense of aversion or disgust
52. fi___e with a PC *v.* to continuously touch or manipulate something with someone's hands, mainly when bored or nervous; to act dishonestly to try to get money, information, etc., or gain an advantage
53. ol_____on testing *n.* the sense of smell; the ability to detect and perceive odors or scents
54. ar___t area *n.* the hollow under the arm where it joins the shoulder
55. pu_____t criticism *adj.* having a strong, sharp odor or taste
56. re_____nt odor *adj.* serving to drive away or repel something; unpleasant or offensive and causing a strong sense of aversion or disgust
57. sm___y socks *adj.* having a strong, unpleasant, or offensive odor, particularly about something decomposing or otherwise spoiled
58. chemical tr___t *n.* a particular feature of your nature
59. er_____te the deficit *v.* to get rid of or destroy something completely, especially something bad

ANSWERS: 50. contraption, 51. repellent, 52. fiddle, 53. olfaction, 54. armpit, 55. pungent, 56. repellent, 57. smelly, 58. trait, 59. eradicate

60. ol_____on receptors *n.* the sense of smell; the ability to detect and perceive odors or scents
61. ha_____ck fire *n.* a large mound of hay, usually stacked in a conical or cylindrical shape, used for animal feed or bedding
62. blo_____am to the brain *n.* the blood flowing through the body
63. local bu_____r *n.* a person who prepares and sells meat, especially at a retail shop; a person who kills or slaughters animals, especially for food; a person who engages in the relentless or brutal treatment of others
64. pu_____t taste *adj.* having a strong, sharp odor or taste
65. sn___e into my hand *v.* to make a sudden, involuntary expulsion of air from the nose and mouth, usually due to irritation caused by the presence of dust, pollen, or other irritants
66. an aerial be____n *n.* a light or other visible object serving as a signal, guide, or warning
67. turn pu____d *adj.* decaying or rotting and emitting a foul or offensive odor; morally corrupt, foul, or depraved; repulsive or disgusting
68. glyoxylic al_____de *n.* a type of organic chemical compound that features a carbonyl group (a carbon atom double-bonded to an oxygen atom) at the end of a carbon chain, often used in the manufacture of various products, including plastics, solvents and fragrances

ANSWERS: 60. olfaction, 61. haystack, 62. bloodstream, 63. butcher, 64. pungent, 65. sneeze, 66. beacon, 67. putrid, 68. aldehyde

69. pu___d atmosphere

adj. decaying or rotting and emitting a foul or offensive odor; morally corrupt, foul, or depraved; repulsive or disgusting

70. l_g my son into a room

v. to carry or drag something with effort; to pull something along with a sudden or jerky motion

ANSWERS: 69. putrid, 70. lug

Session 3: Fill in the Blanks

1. The dog stopped to _____ around the tree, looking for something interesting.
v. to inhale audibly through the nose, often to detect or identify a smell; to draw in air through the nostrils with a quick, audible intake of breath
2. The doctor prescribed antibiotics to treat her _____ symptoms.
n. a severe bacterial infection that is typically spread through contaminated food or water; symptoms include fever, headache, muscle aches, and gastrointestinal problems
3. I had to throw away the _____ food in the fridge because it had gone bad.
adj. decaying or rotting and emitting a foul or offensive odor; morally corrupt, foul, or depraved; repulsive or disgusting
4. The _____ at the bottom of the river was a toxic hazard for marine life.
n. a thick, wet mixture of liquid and solid matter, typically one that is unpleasant or harmful
5. The _____ aroma of garlic filled the kitchen.
adj. having a strong, sharp odor or taste
6. Some animals have better _____ than humans, enabling them to detect prey from farther away.
n. the sense of smell; the ability to detect and perceive odors or scents
7. 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

ANSWERS: 1. sniff, 2. typhoid, 3. putrid, 4. sludge, 5. pungent, 6. olfaction, 7. cyst

8. The magician's tricks _____ the audience.
v. to fill with wonder, surprise, or admiration
9. He's a vegetarian and was shocked to see so much meat in the _____ shop.
n. a person who prepares and sells meat, especially at a retail shop; a person who kills or slaughters animals, especially for food; a person who engages in the relentless or brutal treatment of others
10. Overprotective parents often _____ their children with messages reinforcing their lack of mastery.
v. to attack a place with bombs or gunshots continuously; to address with continuously or persistently, as if with a barrage
11. This stick will deodorize your _____.
n. the hollow under the arm where it joins the shoulder
12. Whenever I get a cold, I tend to _____ a lot.
v. to make a sudden, involuntary expulsion of air from the nose and mouth, usually due to irritation caused by the presence of dust, pollen, or other irritants
13. The _____ burst from the audience.
n. a demonstration of approval or praise by clapping the hands together
14. We are trying to _____ this disease from the world.
v. to get rid of or destroy something completely, especially something bad
15. Tapeworms are _____ that live in the intestines of humans and animals.
n. an organism that lives on or in another organism and benefits by deriving nutrients at the other's expense

ANSWERS: 8. amazed, 9. butcher, 10. bombard, 11. armpits, 12. sneeze, 13. applause, 14. eradicate, 15. parasites

16. The children played hide and seek in the _____ in the barnyard.
- n.* a large mound of hay, usually stacked in a conical or cylindrical shape, used for animal feed or bedding
17. She avoided the used car salesman because she found his pushy behavior _____.
- adj.* serving to drive away or repel something; unpleasant or offensive and causing a strong sense of aversion or disgust
18. He had to ____ the heavy suitcase up the stairs.
- v.* to carry or drag something with effort; to pull something along with a sudden or jerky motion
19. The dentist asked him to spit out the excess _____ into the sink.
- n.* the clear liquid that is secreted into the mouth by glands in the walls of the mouth and throat, helping to lubricate food during chewing and digestion
20. The bread was _____ and not fit for eating.
- adj.* no longer fresh, new, or interesting; dull or uninteresting
21. The _____ cheesecake at that restaurant is out of this world.
- n.* a sweet and tart edible fruit that grows on bushes, usually with a soft red or black color and a rough texture on the outside
22. The inventor created a _____ that could turn salt water into drinking water.
- n.* a machine or device that is made up of a combination of interconnected parts and often appears complicated or unusual
23. Children often _____ parents with this head cold.
- v.* to affect a person, an animal, or a plant with a disease-causing organism

ANSWERS: 16. haystacks, 17. repellent, 18. lug, 19. saliva, 20. stale, 21. raspberry, 22. contraption, 23. infect

24. The lighthouse served as a _____ to guide ships safely into port.
n. a light or other visible object serving as a signal, guide, or warning
25. Various companies, including software companies, are entering the _____ market.
n. a wearable computing device in the form of a watch
26. I can't stand the _____ odor from the garbage can, and it's unbearable.
adj. having a strong, unpleasant, or offensive odor, particularly about something decomposing or otherwise spoiled
27. Please refrigerate the meat, or it will _____.
v. to decay, or cause something to decay, naturally and gradually
28. The company _____ employees to buy low-price items without approval to achieve efficient purchasing.
v. to give someone the power or authority to do something
29. He _____ deeply, trying to calm down.
v. to breathe in air or a different substance, such as smoke
30. Multiple genes may influence behavioral _____ concurrently.
n. a particular feature of your nature
31. Cancer cells are often carried throughout the body by the _____.
n. the blood flowing through the body
32. She was able to _____ a free trip to the United States.
v. to continuously touch or manipulate something with someone's hands, mainly when bored or nervous; to act dishonestly to try to get money, information, etc., or gain an advantage

ANSWERS: 24. beacon, 25. smartwatch, 26. smelly, 27. rot, 28. empowered, 29. inhaled, 30. traits, 31. bloodstream, 32. fiddle

33. Let's try to _____ a bit of enthusiasm into your performance.
- v.* to put a liquid such as a drug or other substance into a person's or an animal's body using a needle and syringe (= small tube)
34. A stagnant water area are breeding ground for _____.
- n.* a small flying insect whose female bites people and animals and sucks their blood, and sometimes transmits serious diseases such as malaria
35. The _____ group is a key functional group in organic chemistry.
- n.* a type of organic chemical compound that features a carbonyl group (a carbon atom double-bonded to an oxygen atom) at the end of a carbon chain, often used in the manufacture of various products, including plastics, solvents and fragrances

ANSWERS: 33. inject, 34. mosquitos, 35. aldehyde