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Vocabulary Builder Reference from...

Jennifer Pluznick: You smell with your body, not just your nose | TED Talk

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

Advanced Words Only

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Session 1: Word List

olfactory

adj. relating to the sense of smell; connected with the perception of odors or scents

synonym: olfactive, scent-based, aromatic

(1) **olfactory** cortex, (2) **olfactory** memory

The **olfactory** senses play a key role in our taste and flavor perception.

ligand

n. a molecule or ion that binds to a central metal atom or ion in a coordination complex or to a receptor in a biological system, typically forming a coordination bond or a weak chemical interaction

synonym: binder, receptor, molecule

(1) **ligand** binding, (2) protein **ligand**

The **ligand-receptor** interaction triggers a series of biochemical reactions.

vertebrate

adj. relating to animals that have a backbone or spinal column, such as mammals, birds, reptiles, amphibians, and fish

synonym: animal, chordate, backboned

(1) the muscle tissue of a **vertebrate**, (2) **vertebrate** biology

The presence of a backbone is a defining characteristic of **vertebrate** animals.

devote

v. to commit or dedicate oneself or one's time, effort, or energy to a particular task or purpose

synonym: commit, dedicate, apply

(1) **devote** all of my energies, (2) **devote** my own life

He **devoted** himself to studying the history of ancient civilizations.

uncover

v. to remove the cover from something; to discover something previously unseen or hidden

synonym: disclose, reveal, unveil

(1) **uncover** a potential problem, (2) **uncover** the truth

He continued his investigation and soon **uncovered** another crime.

mediate

v. to try to bring about an agreement or understanding between people who are in conflict

synonym: arbitrate, reconcile, intervene

(1) **mediate** allergic reaction, (2) **mediate** a negotiation

The teacher had to **mediate** a disagreement between two students over a stolen pencil.

aroma

n. a distinctive, usually pleasant smell, often of a specific food, plant, or object

synonym: fragrance, scent, smell

(1) **aroma** therapy, (2) coffee **aroma**

The **aroma** of freshly baked bread filled the kitchen.

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**.

chemo

n. short for chemotherapy, a treatment for cancer that uses drugs to destroy cancer cells

synonym: chemotherapy, antineoplastic

(1) **chemo** patient, (2) **chemo-radiotherapy**

The side effects of **chemo**, such as nausea and hair loss, were a major concern for the patient.

metabolite

n. a substance produced by metabolic processes in living organisms, especially those that are essential for normal physiological functions

synonym : intermediate

(1) **metabolite** concentration, (2) drug **metabolite**

The liver **metabolite** levels were higher than usual.

pancreas

n. a glandular organ in the digestive system that produces several important hormones, including insulin and glucagon, as well as digestive enzymes that help break down food in the small intestine

synonym : gland, organ, islet

(1) **pancreas** inflammation, (2) **pancreas** function

The endocrine function of the **pancreas** involves the secretion of hormones such as insulin.

reinvent

v. to change something so drastically that it looks to be completely new

synonym : recreate, remake, revive

(1) **reinvent** local dishes, (2) **reinvent** our life

They have tried to **reinvent** their grocery stores.

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.

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.

homeostasis

n. the maintenance of stability or balance within an organism or system through various physiological processes that regulate internal conditions, such as temperature and pH

synonym: balance, equilibrium, stability

(1) cellular **homeostasis**, (2) **homeostasis** imbalance

The body's ability to maintain **homeostasis** is essential for survival in harsh environments.

microbiota

n. (also "flora") the community of microorganisms that live within a particular environment or host organism, including bacteria, viruses, fungi, and other microorganisms

synonym: microflora, microbiome

(1) intestinal **microbiota**, (2) **microbiota** diversity

The **microbiota** in our gut plays a crucial role in our overall health and immune system.

tease

v. to make fun of someone or make jokes about them, either in a playful way or to upset them; to separate the fibers of something; to ruffle a person's or animal's hair by combing

synonym: bully, annoy, provoke

(1) **tease** the children, (2) **tease** wool

This ad is intended to **tease** a competing product.

Session 2: Spelling

1. in___e the smoke
v. to breathe in air or a different substance, such as smoke
2. te__e the children
v. to make fun of someone or make jokes about them, either in a playful way or to upset them; to separate the fibers of something; to ruffle a person's or animal's hair by combing
3. ol_____ry memory
adj. relating to the sense of smell; connected with the perception of odors or scents
4. blo_____am to the brain
n. the blood flowing through the body
5. protein li___d
n. a molecule or ion that binds to a central metal atom or ion in a coordination complex or to a receptor in a biological system, typically forming a coordination bond or a weak chemical interaction
6. 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
7. ch__o-radiotherapy
n. short for chemotherapy, a treatment for cancer that uses drugs to destroy cancer cells
8. de___e my own life
v. to commit or dedicate oneself or one's time, effort, or energy to a particular task or purpose

ANSWERS: 1. inhale, 2. tease, 3. olfactory, 4. bloodstream, 5. ligand, 6. sniff, 7. chemo, 8. devote

9. met_____te concentration *n.* a substance produced by metabolic processes in living organisms, especially those that are essential for normal physiological functions
10. pa_____as inflammation *n.* a glandular organ in the digestive system that produces several important hormones, including insulin and glucagon, as well as digestive enzymes that help break down food in the small intestine
11. un_____r the truth *v.* to remove the cover from something; to discover something previously unseen or hidden
12. hom_____is imbalance *n.* the maintenance of stability or balance within an organism or system through various physiological processes that regulate internal conditions, such as temperature and pH
13. re_____nt local dishes *v.* to change something so drastically that it looks to be completely new
14. blo_____am in an artery *n.* the blood flowing through the body
15. the muscle tissue of a ver_____te *adj.* relating to animals that have a backbone or spinal column, such as mammals, birds, reptiles, amphibians, and fish
16. te__e wool *v.* to make fun of someone or make jokes about them, either in a playful way or to upset them; to separate the fibers of something; to ruffle a person's or animal's hair by combing

ANSWERS: 9. metabolite, 10. pancreas, 11. uncover, 12. homeostasis, 13. reinvent, 14. bloodstream, 15. vertebrate, 16. tease

17. intestinal mic_____ta *n.* (also "flora") the community of microorganisms that live within a particular environment or host organism, including bacteria, viruses, fungi, and other microorganisms
18. in___e the aroma *v.* to breathe in air or a different substance, such as smoke
19. ar__a therapy *n.* a distinctive, usually pleasant smell, often of a specific food, plant, or object
20. ol_____ry cortex *adj.* relating to the sense of smell; connected with the perception of odors or scents
21. mic_____ta diversity *n.* (also "flora") the community of microorganisms that live within a particular environment or host organism, including bacteria, viruses, fungi, and other microorganisms
22. cellular hom_____is *n.* the maintenance of stability or balance within an organism or system through various physiological processes that regulate internal conditions, such as temperature and pH
23. re_____nt our life *v.* to change something so drastically that it looks to be completely new
24. un_____r a potential problem *v.* to remove the cover from something; to discover something previously unseen or hidden
25. drug met_____te *n.* a substance produced by metabolic processes in living organisms, especially those that are essential for normal physiological functions

ANSWERS: 17. microbiota, 18. inhale, 19. aroma, 20. olfactory, 21. microbiota, 22. homeostasis, 23. reinvent, 24. uncover, 25. metabolite

26. 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
27. ver_____te biology *adj.* relating to animals that have a backbone or spinal column, such as mammals, birds, reptiles, amphibians, and fish
28. me_____e a negotiation *v.* to try to bring about an agreement or understanding between people who are in conflict
29. li____d binding *n.* a molecule or ion that binds to a central metal atom or ion in a coordination complex or to a receptor in a biological system, typically forming a coordination bond or a weak chemical interaction
30. me_____e allergic reaction *v.* to try to bring about an agreement or understanding between people who are in conflict
31. de____e all of my energies *v.* to commit or dedicate oneself or one's time, effort, or energy to a particular task or purpose
32. pa_____as function *n.* a glandular organ in the digestive system that produces several important hormones, including insulin and glucagon, as well as digestive enzymes that help break down food in the small intestine
33. coffee ar__a *n.* a distinctive, usually pleasant smell, often of a specific food, plant, or object

ANSWERS: 26. sniff, 27. vertebrate, 28. mediate, 29. ligand, 30. mediate, 31. devote, 32. pancreas, 33. aroma

34. ch__o patient

n. short for chemotherapy, a treatment for cancer that uses drugs to destroy cancer cells

ANSWERS: 34. chemo

Session 3: Fill in the Blanks

1. This ad is intended to _____ a competing product.
 - v. to make fun of someone or make jokes about them, either in a playful way or to upset them; to separate the fibers of something; to ruffle a person's or animal's hair by combing

2. The teacher had to _____ a disagreement between two students over a stolen pencil.
 - v. to try to bring about an agreement or understanding between people who are in conflict

3. He _____ himself to studying the history of ancient civilizations.
 - v. to commit or dedicate oneself or one's time, effort, or energy to a particular task or purpose

4. The endocrine function of the _____ involves the secretion of hormones such as insulin.
 - n. a glandular organ in the digestive system that produces several important hormones, including insulin and glucagon, as well as digestive enzymes that help break down food in the small intestine

5. The side effects of _____ such as nausea and hair loss, were a major concern for the patient.
 - n. short for chemotherapy, a treatment for cancer that uses drugs to destroy cancer cells

6. 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

ANSWERS: 1. tease, 2. mediate, 3. devoted, 4. pancreas, 5. chemo, 6. sniff

7. The presence of a backbone is a defining characteristic of _____ animals.
adj. relating to animals that have a backbone or spinal column, such as mammals, birds, reptiles, amphibians, and fish
8. The _____ senses play a key role in our taste and flavor perception.
adj. relating to the sense of smell; connected with the perception of odors or scents
9. He _____ deeply, trying to calm down.
v. to breathe in air or a different substance, such as smoke
10. Cancer cells are often carried throughout the body by the _____.
n. the blood flowing through the body
11. The _____ in our gut plays a crucial role in our overall health and immune system.
n. (also "flora") the community of microorganisms that live within a particular environment or host organism, including bacteria, viruses, fungi, and other microorganisms
12. The body's ability to maintain _____ is essential for survival in harsh environments.
n. the maintenance of stability or balance within an organism or system through various physiological processes that regulate internal conditions, such as temperature and pH
13. The _____ of freshly baked bread filled the kitchen.
n. a distinctive, usually pleasant smell, often of a specific food, plant, or object
14. The _____ interaction triggers a series of biochemical reactions.
n. a molecule or ion that binds to a central metal atom or ion in a coordination complex or to a receptor in a biological system, typically forming a coordination bond or a weak chemical interaction

ANSWERS: 7. vertebrate, 8. olfactory, 9. inhaled, 10. bloodstream, 11. microbiota, 12. homeostasis, 13. aroma, 14. ligand-receptor

15. He continued his investigation and soon _____ another crime.
- v. to remove the cover from something; to discover something previously unseen or hidden
16. They have tried to _____ their grocery stores.
- v. to change something so drastically that it looks to be completely new
17. The liver _____ levels were higher than usual.
- n. a substance produced by metabolic processes in living organisms, especially those that are essential for normal physiological functions

ANSWERS: 15. uncovered, 16. reinvent, 17. metabolite