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Vocabulary Builder Reference from...

Greg Gage: How you can make a fruit fly eat veggies
| TED Talk

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

Advanced Words Only

IMPORTANT

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Session 1: Word List

optogenetics

n. a branch of biotechnology that involves the use of light to control the activity of genetically modified cells or neurons in living tissue, often used in neuroscience research

(1) **optogenetics** technique, (2) **optogenetics** manipulation

The recent advances in **optogenetics** research have paved the way for a deeper understanding of neuronal functions.

bud

n. a small swelling on a plant stem or twig containing an undeveloped shoot

synonym: shoot, sprout, germ

(1) pinch off a **bud**, (2) **bud** grafting

The flower was starting to show its **bud** and would soon bloom into a beautiful blossom.

neuroscience

n. the scientific study of the function, structure, and disorder of the brain and the nervous system

(1) the branch of **neuroscience**, (2) a theoretical concept in **neuroscience**

Our university is famous for its professors, who are well-versed in behavioral **neuroscience**.

broccoli

n. a green vegetable with a bunch of small, tight florets on a thick stem that belongs to the cabbage family

(1) frozen **broccoli**, (2) **broccoli** sprout

He didn't like **broccoli** floret and avoided eating it.

neuron

n. a cell that is specialized to carry information within the brain and between the brain and other parts of the body

synonym : nerve cell

(1) excite the **neurons**, (2) **neuron** cell body

Our body transfers information along each **neuron** using an electrical impulse.

aspiration

n. a strong desire to achieve something; the action or process of drawing breath

synonym : ambition, inhalation, intake

(1) no **aspiration** for fame, (2) **aspiration** into the lungs

He has an **aspiration** to become a doctor.

Session 2: Spelling

- | | |
|---|---|
| 1. no asp_____on for fame | <i>n.</i> a strong desire to achieve something; the action or process of drawing breath |
| 2. b_d grafting | <i>n.</i> a small swelling on a plant stem or twig containing an undeveloped shoot |
| 3. pinch off a b_d | <i>n.</i> a small swelling on a plant stem or twig containing an undeveloped shoot |
| 4. a theoretical concept in neu_____nce | <i>n.</i> the scientific study of the function, structure, and disorder of the brain and the nervous system |
| 5. opt_____ics manipulation | <i>n.</i> a branch of biotechnology that involves the use of light to control the activity of genetically modified cells or neurons in living tissue, often used in neuroscience research |
| 6. frozen br_____li | <i>n.</i> a green vegetable with a bunch of small, tight florets on a thick stem that belongs to the cabbage family |
| 7. excite the ne____ns | <i>n.</i> a cell that is specialized to carry information within the brain and between the brain and other parts of the body |
| 8. br_____li sprout | <i>n.</i> a green vegetable with a bunch of small, tight florets on a thick stem that belongs to the cabbage family |
| 9. ne____n cell body | <i>n.</i> a cell that is specialized to carry information within the brain and between the brain and other parts of the body |

ANSWERS: 1. aspiration, 2. bud, 3. bud, 4. neuroscience, 5. optogenetics, 6. broccoli, 7. neuron, 8. broccoli, 9. neuron

10. asp_____on into the lungs *n.* a strong desire to achieve something;
the action or process of drawing breath
11. opt_____ics technique *n.* a branch of biotechnology that involves
the use of light to control the activity of
genetically modified cells or neurons in
living tissue, often used in neuroscience
research
12. the branch of neu_____nce *n.* the scientific study of the function,
structure, and disorder of the brain and
the nervous system

ANSWERS: 10. aspiration, 11. optogenetics, 12. neuroscience

Session 3: Fill in the Blanks

1. The flower was starting to show its ____ and would soon bloom into a beautiful blossom.
n. a small swelling on a plant stem or twig containing an undeveloped shoot

2. The recent advances in _____ research have paved the way for a deeper understanding of neuronal functions.
n. a branch of biotechnology that involves the use of light to control the activity of genetically modified cells or neurons in living tissue, often used in neuroscience research

3. He didn't like _____ floret and avoided eating it.
n. a green vegetable with a bunch of small, tight florets on a thick stem that belongs to the cabbage family

4. He has an _____ to become a doctor.
n. a strong desire to achieve something; the action or process of drawing breath

5. Our body transfers information along each _____ using an electrical impulse.
n. a cell that is specialized to carry information within the brain and between the brain and other parts of the body

6. Our university is famous for its professors, who are well-versed in behavioral _____.
n. the scientific study of the function, structure, and disorder of the brain and the nervous system

ANSWERS: 1. bud, 2. optogenetics, 3. broccoli, 4. aspiration, 5. neuron, 6. neuroscience