

# Englist.me



## Vocabulary Builder Reference from...

*Greg Gage: How to control someone else's arm with your brain | TED Talk*  
[https://www.ted.com/talks/greg\\_gage\\_how\\_to\\_control\\_someone\\_else\\_s\\_arm\\_with\\_your\\_brain](https://www.ted.com/talks/greg_gage_how_to_control_someone_else_s_arm_with_your_brain)

### Advanced Words Only

#### IMPORTANT

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## Session 1: Word List

### fascinate

*v.* to attract and hold the attention of someone deeply and irresistibly

*synonym*: captivate, intrigue, mesmerize

(1) **fascinate** the public, (2) **fascinate** the young

The magic tricks **fascinated** the children.

### 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**.

### institutionalize

*v.* to establish or make something a part of an institution (= a place such as a university, hospital, etc.)

*synonym*: formalize, establish, regularize

(1) **institutionalize** a system, (2) **institutionalize** customary laws

The new policy aims to **institutionalize** the use of renewable energy sources.

### dedicate

*v.* to give all of your energy, time, etc., entirely to a specific person, activity, or cause; to set apart for a particular

purpose or use

*synonym* : consecrate, devote, commit

(1) **dedicate** a few hours, (2) **dedicate** a chapter to the subject

He **dedicated** his life to helping others.

## sham

*n.* something that is not as good or true as it seems to be and is intended to deceive people; a person who pretends to be something they are not

*synonym* : bogus, counterfeit, fraudulent

(1) a **sham** battle, (2) turn out to be all **sham**

The data he prepared was completely **sham**.

## neurological

*adj.* of or relating to the science of neurology or the nervous system

*synonym* : nervous, neural, brain-related

(1) fever with **neurological** signs, (2) **neurological** symptoms

The patient was diagnosed with a **neurological** disorder affecting their motor skills.

## educe

*v.* to bring out or develop something, especially information or ideas, from a source

*synonym* : extract, deduce, derive

(1) **educe** information, (2) **educe** meaning

Through careful analysis, the detective could **educe** the truth from the witness.

## 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.

## callosum

*n.* a large bundle of nerve fibers that connects the two hemispheres of the brain

(1) removal of the corpus **callosum**, (2) corpus **callosum** fiber

The corpus **callosum** is essential for coordinating the functions of the two hemispheres.

## rumble

*v.* to make a low, heavy continuous sound

*synonym*: roar, growl, grumble

(1) **rumble** an order, (2) **rumble** down the dirt track

The thunder **rumbled** in the distance.

## app

*n.* (abbreviation for application) software designed to run on smartphones and other mobile devices or inside a web browser on a PC

*synonym*: application, software

(1) killer **app**, (2) cannot log in to the **app**

The discovery of a critical bug caused the company to delay the **app's** release.

## innervate

*v.* to supply an organ or part of the body with nerves; to stimulate action

(1) **innervate** the internal organs, (2) **innervate** a muscle

Several types of nerve fiber **innervate** different sensory receptors on the skin.

## 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.

## ulna

*n.* the longer and thinner of the two bones in the forearm, located on the side opposite to the thumb

*synonym*: radius, bone of the forearm

(1) **ulna** nerve, (2) fractured **ulna**

The **ulna** bone is located in the forearm and is crucial in allowing forearm rotation.

## Session 2: Spelling

- |                                  |   |
|----------------------------------|---|
| 1. turn out to be all s__m       | <i>n.</i> something that is not as good or true as it seems to be and is intended to deceive people; a person who pretends to be something they are not |
| 2. in_____te the internal organs | <i>v.</i> to supply an organ or part of the body with nerves; to stimulate action   |
| 3. ins_____ize customary laws    | <i>v.</i> to establish or make something a part of an institution (= a place such as a university, hospital, etc.)                                      |
| 4. cannot log in to the a_p      | <i>n.</i> (abbreviation for application) software designed to run on smartphones and other mobile devices or inside a web browser on a PC               |
| 5. fever with neu_____cal signs  | <i>adj.</i> of or relating to the science of neurology or the nervous system  |
| 6. ed__e information             | <i>v.</i> to bring out or develop something, especially information or ideas, from a source   |
| 7. ed__e meaning                 | <i>v.</i> to bring out or develop something, especially information or ideas, from a source   |
| 8. neu_____cal symptoms          | <i>adj.</i> of or relating to the science of neurology or the nervous system  |
| 9. fractured u__a                | <i>n.</i> the longer and thinner of the two bones in the forearm, located on the side opposite to the thumb   |

ANSWERS: 1. sham, 2. innervate, 3. institutionalize, 4. app, 5. neurological, 6. educe, 7. educe, 8. neurological, 9. ulna

- |                                |           |   |
|--------------------------------|-----------|---|
| 10. fa_____te the young        | <i>v.</i> | to attract and hold the attention of someone deeply and irresistibly  |
| 11. a s__m battle              | <i>n.</i> | something that is not as good or true as it seems to be and is intended to deceive people; a person who pretends to be something they are not |
| 12. ru___e down the dirt track | <i>v.</i> | to make a low, heavy continuous sound   |
| 13. the branch of neu_____nce  | <i>n.</i> | the scientific study of the function, structure, and disorder of the brain and the nervous system   |
| 14. u__a nerve                 | <i>n.</i> | the longer and thinner of the two bones in the forearm, located on the side opposite to the thumb   |
| 15. ins_____ize a system       | <i>v.</i> | to establish or make something a part of an institution (= a place such as a university, hospital, etc.)                                      |
| 16. corpus ca_____um fiber     | <i>n.</i> | a large bundle of nerve fibers that connects the two hemispheres of the brain   |
| 17. 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                            |
| 18. in_____te a muscle         | <i>v.</i> | to supply an organ or part of the body with nerves; to stimulate action   |
| 19. 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: 10. fascinate, 11. sham, 12. rumble, 13. neuroscience, 14. ulna, 15. institutionalize, 16. callosum, 17. neuron, 18. innervate, 19. neuron

20. a theoretical concept in neu\_\_\_\_\_nce *n.* the scientific study of the function, structure, and disorder of the brain and the nervous system
21. de\_\_\_\_\_te a few hours *v.* to give all of your energy, time, etc., entirely to a specific person, activity, or cause; to set apart for a particular purpose or use
22. 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)
23. removal of the corpus ca\_\_\_\_\_um *n.* a large bundle of nerve fibers that connects the two hemispheres of the brain
24. killer a\_p *n.* (abbreviation for application) software designed to run on smartphones and other mobile devices or inside a web browser on a PC
25. de\_\_\_\_\_te a chapter to the subject *v.* to give all of your energy, time, etc., entirely to a specific person, activity, or cause; to set apart for a particular purpose or use
26. ru\_\_\_\_e an order *v.* to make a low, heavy continuous sound
27. fa\_\_\_\_\_te the public *v.* to attract and hold the attention of someone deeply and irresistibly
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: 20. neuroscience, 21. dedicate, 22. inject, 23. callosum, 24. app, 25. dedicate, 26. rumble, 27. fascinate, 28. inject

ANSWERS:



## Session 3: Fill in the Blanks

1. The patient was diagnosed with a \_\_\_\_\_ disorder affecting their motor skills.  
*adj.* of or relating to the science of neurology or the nervous system
2. 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
3. The new policy aims to \_\_\_\_\_ the use of renewable energy sources.  
*v.* to establish or make something a part of an institution (= a place such as a university, hospital, etc.)
4. The thunder \_\_\_\_\_ in the distance.  
*v.* to make a low, heavy continuous sound
5. Through careful analysis, the detective could d\_\_\_\_\_ the truth from the witness.  
*v.* to bring out or develop something, especially information or ideas, from a source
6. The \_\_\_\_\_ bone is located in the forearm and is crucial in allowing forearm rotation.  
*n.* the longer and thinner of the two bones in the forearm, located on the side opposite to the thumb
7. 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

ANSWERS: 1. neurological, 2. neuroscience, 3. institutionalize, 4. rumbled, 5. educe, 6. ulna, 7. neuron

8. The magic tricks \_\_\_\_\_ the children.
- v. to attract and hold the attention of someone deeply and irresistibly
9. Several types of nerve fiber \_\_\_\_\_ different sensory receptors on the skin.
- v. to supply an organ or part of the body with nerves; to stimulate action
10. The discovery of a critical bug caused the company to delay the \_\_\_\_\_ release.
- n. (abbreviation for application) software designed to run on smartphones and other mobile devices or inside a web browser on a PC
11. He \_\_\_\_\_ his life to helping others.
- v. to give all of your energy, time, etc., entirely to a specific person, activity, or cause; to set apart for a particular purpose or use
12. 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)
13. The data he prepared was completely \_\_\_\_\_.
- n. something that is not as good or true as it seems to be and is intended to deceive people; a person who pretends to be something they are not
14. The corpus \_\_\_\_\_ is essential for coordinating the functions of the two hemispheres.
- n. a large bundle of nerve fibers that connects the two hemispheres of the brain

ANSWERS: 8. fascinated, 9. innervate, 10. app's, 11. dedicated, 12. inject, 13. sham, 14. callosum