

# Englist.me



## Vocabulary Builder Reference from...

Greg Gage: The real reason why mosquitoes buzz |  
TED Talk

[https://www.ted.com/talks/greg\\_gage\\_the\\_real\\_reaso  
n\\_why\\_mosquitoes\\_buzz](https://www.ted.com/talks/greg_gage_the_real_reaso_n_why_mosquitoes_buzz)

### Advanced Words Only

#### IMPORTANT

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## Session 1: Word List

### 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**.

### madden

*v.* to make someone extremely angry or irritated, often to the point of losing control or rationality; to become irrational or frenzied with anger or frustration

*synonym* : infuriate, enrage, exasperate

(1) **madden** with rage, (2) **madden** the enemy

The slow internet connection **maddened** him as he tried to stream his favorite show.

### auditory

*adj.* of or relating to hearing or the ability to hear

*synonym* : hearing, audible, aural

(1) a good **auditory** memory, (2) **auditory** system

The **auditory** nerve carries sound signals from the ear to the brain.

### 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**.

## **blacksmith**

*n.* a smith who forges and shapes iron with a hammer and anvil

(1) **blacksmith** welding, (2) **blacksmith** shop

The **blacksmith** shaped a horseshoe on his anvil.

## **tether**

*v.* to tie or secure an animal, person, or object with a rope, chain, or other similar devices to prevent it from moving too far away; (noun) a rope or chain used to tie up or restrain an animal, such as a horse or dog

*synonym*: tie, fasten, secure

(1) **tether** a horse, (2) **tether** strap

The hiker **tethered** their dog to a tree while they camped for the night.

## **anesthetize**

*v.* to administer a drug or other substance that causes a loss of sensation or consciousness, often to perform a medical procedure; to numb or dull a physical or emotional sensation

*synonym*: numb, sedate, drug

(1) **anesthetize** a patient, (2) **anesthetize** a wound

The dentist will **anesthetize** your mouth before removing your wisdom teeth.

## **petri**

*n.* (petri dish) a small, clear, and round dish with a lid used in laboratories, especially for growing bacteria

(1) **petri** dish test, (2) bacteria on **petri** dishes

Glass **petri** dishes are used to culture microorganisms.

## **dab**

*v.* to touch or apply something lightly, usually several times

*synonym*: apply, pat, daub

(1) **dab** my cheek with powder, (2) **dab** paint on the wall

She **dabbed** her face with a puff.

## thorax

*n.* the part of an insect's body that bears the wings and legs, located between the head and the abdomen

*synonym* : chest, midsection, upper body

(1) **thorax** segment, (2) **thorax** anatomy

The insect's **thorax** is the middle section, where the wings and legs attach.

## feathery

*adj.* having or resembling the soft and delicate feathers of a bird, typically in texture or appearance

*synonym* : fluffy, plumed, downy

(1) **feathery** fronds, (2) delicate **feathery**

The **feathery** leaves of the plant gently swayed in the breeze.

## hertz

*n.* the unit of frequency, equal to one cycle per second, often used to describe the frequency of electromagnetic waves or electronic signals

*synonym* : frequency, cycles per second

(1) audio **hertz**, (2) tera- **hertz** radiation

The human ear can detect sounds with frequencies ranging from 20 to 20,000 **hertz**.

## spectrogram

*n.* a graph or visual representation depicting the frequency and intensity of sound waves or other signals over time

*synonym* : sonogram, voiceprint, audio graph

(1) **spectrogram** analysis, (2) acoustic **spectrogram**

The software program allowed users to generate **spectrograms** of their recorded audio files for analysis.

## duet

*n.* a musical composition or performance featuring two performers, often on different instruments or with different vocal parts; a scene in a play or movie with two actors delivering lines or performing actions together

*synonym* : harmony, duo, partnership

(1) the **duet** by the two famous singers, (2) **duet** partner

The two singers performed a beautiful **duet** together on stage.

## disrupt

v. to prevent or stop something, especially an event, activity, or process, from continuing in the usual way by causing a problem or disturbance

*synonym* : interrupt, disturb, break into

(1) **disrupt** a well-ordered condition, (2) **disrupt** sleep

I'm so sorry to **disrupt** you when you're pretty busy.

## smack

v. to hit something or someone with force, often making a loud noise; to deliver a sharp criticism or rebuke

*synonym* : hit, slap, strike

(1) **smack** on the lips, (2) **smack** his knee

The baseball player **smacked** the ball out of the park, securing a home run.

## Session 2: Spelling

1. te\_\_\_r a horse  
*v.* to tie or secure an animal, person, or object with a rope, chain, or other similar devices to prevent it from moving too far away; (noun) a rope or chain used to tie up or restrain an animal, such as a horse or dog
2. th\_\_\_x segment  
*n.* the part of an insect's body that bears the wings and legs, located between the head and the abdomen
3. te\_\_\_r strap  
*v.* to tie or secure an animal, person, or object with a rope, chain, or other similar devices to prevent it from moving too far away; (noun) a rope or chain used to tie up or restrain an animal, such as a horse or dog
4. ma\_\_\_n the enemy  
*v.* to make someone extremely angry or irritated, often to the point of losing control or rationality; to become irrational or frenzied with anger or frustration
5. d\_\_t partner  
*n.* a musical composition or performance featuring two performers, often on different instruments or with different vocal parts; a scene in a play or movie with two actors delivering lines or performing actions together
6. delicate fe\_\_\_\_ry  
*adj.* having or resembling the soft and delicate feathers of a bird, typically in texture or appearance

ANSWERS: 1. tether, 2. thorax, 3. tether, 4. madden, 5. duet, 6. feathery

7. sm\_\_k on the lips *v.* to hit something or someone with force, often making a loud noise; to deliver a sharp criticism or rebuke
8. fe\_\_\_\_ry fronds *adj.* having or resembling the soft and delicate feathers of a bird, typically in texture or appearance
9. a good au\_\_\_\_ry memory *adj.* of or relating to hearing or the ability to hear
10. sm\_\_k his knee *v.* to hit something or someone with force, often making a loud noise; to deliver a sharp criticism or rebuke
11. audio he\_\_z *n.* the unit of frequency, equal to one cycle per second, often used to describe the frequency of electromagnetic waves or electronic signals
12. 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
13. d\_b my cheek with powder *v.* to touch or apply something lightly, usually several times
14. the branch of neu\_\_\_\_nce *n.* the scientific study of the function, structure, and disorder of the brain and the nervous system
15. ane\_\_\_\_ze a wound *v.* to administer a drug or other substance that causes a loss of sensation or consciousness, often to perform a medical procedure; to numb or dull a physical or emotional sensation

ANSWERS: 7. smack, 8. feathery, 9. auditory, 10. smack, 11. hertz, 12. mosquito, 13. dab, 14. neuroscience, 15. anesthetize

16. pe\_\_i dish test *n.* (petri dish) a small, clear, and round dish with a lid used in laboratories, especially for growing bacteria
17. spe\_\_\_\_\_am analysis *n.* a graph or visual representation depicting the frequency and intensity of sound waves or other signals over time
18. tera-he\_\_z radiation *n.* the unit of frequency, equal to one cycle per second, often used to describe the frequency of electromagnetic waves or electronic signals
19. di\_\_\_\_\_t sleep *v.* to prevent or stop something, especially an event, activity, or process, from continuing in the usual way by causing a problem or disturbance
20. d\_b paint on the wall *v.* to touch or apply something lightly, usually several times
21. the d\_\_t by the two famous singers *n.* a musical composition or performance featuring two performers, often on different instruments or with different vocal parts; a scene in a play or movie with two actors delivering lines or performing actions together
22. 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
23. bla\_\_\_\_\_th welding *n.* a smith who forges and shapes iron with a hammer and anvil
24. a theoretical concept in  
neu\_\_\_\_\_nce *n.* the scientific study of the function, structure, and disorder of the brain and the nervous system

ANSWERS: 16. petri, 17. spectrogram, 18. hertz, 19. disrupt, 20. dab, 21. duet, 22. mosquito, 23. blacksmith, 24. neuroscience

25. bacteria on pe\_\_i dishes *n.* (petri dish) a small, clear, and round dish with a lid used in laboratories, especially for growing bacteria
26. th\_\_\_x anatomy *n.* the part of an insect's body that bears the wings and legs, located between the head and the abdomen
27. au\_\_\_\_ry system *adj.* of or relating to hearing or the ability to hear
28. acoustic spe\_\_\_\_\_am *n.* a graph or visual representation depicting the frequency and intensity of sound waves or other signals over time
29. di\_\_\_\_\_t a well-ordered condition *v.* to prevent or stop something, especially an event, activity, or process, from continuing in the usual way by causing a problem or disturbance
30. bla\_\_\_\_\_th shop *n.* a smith who forges and shapes iron with a hammer and anvil
31. ma\_\_\_n with rage *v.* to make someone extremely angry or irritated, often to the point of losing control or rationality; to become irrational or frenzied with anger or frustration
32. ane\_\_\_\_\_ze a patient *v.* to administer a drug or other substance that causes a loss of sensation or consciousness, often to perform a medical procedure; to numb or dull a physical or emotional sensation

ANSWERS: 25. petri, 26. thorax, 27. auditory, 28. spectrogram, 29. disrupt, 30. blacksmith, 31. madden, 32. anesthetize



## Session 3: Fill in the Blanks

1. The two singers performed a beautiful \_\_\_\_\_ together on stage.  
*n.* a musical composition or performance featuring two performers, often on different instruments or with different vocal parts; a scene in a play or movie with two actors delivering lines or performing actions together
2. The \_\_\_\_\_ nerve carries sound signals from the ear to the brain.  
*adj.* of or relating to hearing or the ability to hear
3. The \_\_\_\_\_ shaped a horseshoe on his anvil.  
*n.* a smith who forges and shapes iron with a hammer and anvil
4. I'm so sorry to \_\_\_\_\_ you when you're pretty busy.  
*v.* to prevent or stop something, especially an event, activity, or process, from continuing in the usual way by causing a problem or disturbance
5. The \_\_\_\_\_ leaves of the plant gently swayed in the breeze.  
*adj.* having or resembling the soft and delicate feathers of a bird, typically in texture or appearance
6. The human ear can detect sounds with frequencies ranging from 20 to 20,000 \_\_\_\_\_.  
*n.* the unit of frequency, equal to one cycle per second, often used to describe the frequency of electromagnetic waves or electronic signals
7. The baseball player \_\_\_\_\_ the ball out of the park, securing a home run.  
*v.* to hit something or someone with force, often making a loud noise; to deliver a sharp criticism or rebuke

ANSWERS: 1. duet, 2. auditory, 3. blacksmith, 4. disrupt, 5. feathery, 6. hertz, 7. smacked

8. The hiker \_\_\_\_\_ their dog to a tree while they camped for the night.
- v. to tie or secure an animal, person, or object with a rope, chain, or other similar devices to prevent it from moving too far away; (noun) a rope or chain used to tie up or restrain an animal, such as a horse or dog
9. 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
10. She \_\_\_\_\_ her face with a puff.
- v. to touch or apply something lightly, usually several times
11. The dentist will \_\_\_\_\_ your mouth before removing your wisdom teeth.
- v. to administer a drug or other substance that causes a loss of sensation or consciousness, often to perform a medical procedure; to numb or dull a physical or emotional sensation
12. The insect's \_\_\_\_\_ is the middle section, where the wings and legs attach.
- n. the part of an insect's body that bears the wings and legs, located between the head and the abdomen
13. The software program allowed users to generate \_\_\_\_\_ of their recorded audio files for analysis.
- n. a graph or visual representation depicting the frequency and intensity of sound waves or other signals over time
14. The slow internet connection \_\_\_\_\_ him as he tried to stream his favorite show.
- v. to make someone extremely angry or irritated, often to the point of losing control or rationality; to become irrational or frenzied with anger or frustration

ANSWERS: 8. tethered, 9. neuroscience, 10. dabbed, 11. anesthetize, 12. thorax, 13. spectrograms, 14. maddened

15. 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

16. Glass \_\_\_\_\_ dishes are used to culture microorganisms.

- n.* (petri dish) a small, clear, and round dish with a lid used in laboratories, especially for growing bacteria

ANSWERS: 15. mosquitos, 16. petri