

Englist.me



Vocabulary Builder Reference from...

Harald Haas: Wireless data from every light bulb |

TED Talk

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

Advanced Words Only

IMPORTANT

This material is a commentary and does not contain any copyrighted material of the reference source. We strongly recommend accessing/buying the reference source at the same time.

Session 1: Word List

mast

n. a long pole aboard a boat or ship that holds up the sails

(1) **mast** height, (2) built-up **mast**

The main cabin is located in front of the **mast**.

electrify

v. to make a machine or system work by using electricity; to make someone extremely enthusiastic about or interested in something

synonym: wire, amaze, astonish

(1) **electrify** the audience, (2) **electrify** a manufacturing process

The product developed through years of research continues to **electrify** the market.

penetrate

v. to pass into or through something, often by overcoming resistance

synonym: pierce, stab, go through

(1) **penetrate** a cell, (2) **penetrate** quickly into the skin

Western ideology slowly **penetrates** through the eastern countries.

intercept

v. to stop and catch someone or something to prevent them from continuing to a destination

synonym: ambush, block, prevent

(1) **intercept** an enemy force, (2) **intercept** X rays
It is illegal to **intercept** police radio.

ultraviolet

adj. relating to or occupying the part of the spectrum beyond the violet end, especially radiation

synonym: black light, UV light, invisible light

(1) **ultraviolet** protection, (2) **ultraviolet** light

Ultraviolet radiation can cause skin damage if one is exposed for too long.

suntan

n. a darkening of the skin due to exposure to the sun, often as a result of deliberate sunbathing or outdoor activities with prolonged exposure to bright sunlight

synonym: sunburn, bronze, skin color

(1) deep **suntan**, (2) **suntan** bed

I spent the day at the beach and got a beautiful **suntan**.

expend

v. to use or spend time, money, energy, etc.

synonym: disburse, spend, pay

(1) **expend** a great deal of energy, (2) **expend** time and resources

Billionaires tend to **expend** private funds on a public undertaking.

inefficient

adj. lacking the ability or skill and not making the best use of time, money, energy, etc.

synonym: ineffective, counterproductive, inadequate

(1) **inefficient** use, (2) **inefficient** management

The system is still so **inefficient** that it is useless.

incandescent

adj. emitting light as a result of being heated; shining brightly; passionate or enthusiastic

synonym: glowing, radiant, brilliant

(1) **incandescent** emotion, (2) **incandescent** personality

The **incandescent** lights in the room created a warm and inviting atmosphere.

efflorescent

adj. relating to the process of flowering or blooming; characterized by the formation of a powdery or crystalline deposit on the surface of a material due to the evaporation of water or other solvents

synonym : blooming, blossoming, flowering

(1) **efflorescent** crystals, (2) **efflorescent** growth

The artist's **efflorescent** paintings were featured in the gallery's exhibition.

modulate

v. to change the key, style, loudness, etc., of something in music to create a particular effect; to fix or adjust the time, amount, degree, or rate of something

synonym : regulate, inflect, adjust

(1) **modulate** the function, (2) **modulate** from one key to another

These chemicals **modulate** the effect of metabolism.

demonstrator

n. a person who publicly advocates for or protests against a particular cause, often in a group or a public space

synonym : protester, activist

(1) peaceful **demonstrator**, (2) violent **demonstrator**

The police gathered in large numbers to control the **demonstrators** protesting in the streets.

illuminating

adj. making something clear or easy to understand; providing light

synonym : enlightening, informative, clarifying

(1) **illuminating** light, (2) an **illuminating** answer

The lecture was **illuminating** and gave me a new perspective on the topic.

illumination

n. light or source of light; the degree of visibility of your environment

synonym : light, luminosity, brightness

(1) starry **illumination**, (2) indirect **illumination**

The skylight will give adequate **illumination** from above.

flashlight

n. a portable electric light with a handle and a switch that can be turned on and off

synonym : torch, lamp, beacon

(1) **flashlight** beam, (2) **flashlight** batteries

He used a backup **flashlight** to find his way through the dark cave.

illuminate

v. to light something or to make something lighter or brighter; to make something free from confusion or ambiguity

synonym : brighten, light, adorn

(1) **illuminate** a dark hall, (2) **illuminate** my understanding

That biologist **illuminated** the mechanism of heredity.

petrochemical

n. a chemical compound derived from petroleum or natural gas, used as a raw material in the manufacture of plastics, synthetic fibers, and other products

synonym : oil-based, chemical-based, refinery product

(1) **petrochemical** complex, (2) **petrochemical** plant

The town's economy relies heavily on the **petrochemical** industry.

headlight

n. a bright forward-facing light on a vehicle, typically used at night to illuminate the road ahead

synonym : headlamp, beam, lamp

(1) **headlight** adjustment, (2) **headlight** switch

My car's **headlight** must be replaced before I drive again at night.

fidelity

n. faithfulness to a person, cause, or thing; loyalty or devotion to a duty or obligation; accuracy or exactness in reproducing or representing something

synonym : loyalty, devotion, allegiance

(1) **fidelity** guarantee deposit, (2) high **fidelity** music

The couple promised each other **fidelity** in their marriage vows.

symbiosis

n. a close, prolonged association between two or more different species of organisms, typically to the advantage of all

synonym: cooperation, interdependence, mutualism

(1) industrial **symbiosis**, (2) **symbiosis** establishment

The **symbiosis** between the coral and the algae is an important example of mutualism.

Session 2: Spelling

1. pe_____te a cell
v. to pass into or through something, often by overcoming resistance
2. ult_____et protection
adj. relating to or occupying the part of the spectrum beyond the violet end, especially radiation
3. ine_____nt management
adj. lacking the ability or skill and not making the best use of time, money, energy, etc.
4. eff_____ent crystals
adj. relating to the process of flowering or blooming; characterized by the formation of a powdery or crystalline deposit on the surface of a material due to the evaporation of water or other solvents
5. fla_____ht batteries
n. a portable electric light with a handle and a switch that can be turned on and off
6. el_____fy a manufacturing process
v. to make a machine or system work by using electricity; to make someone extremely enthusiastic about or interested in something
7. in_____pt an enemy force
v. to stop and catch someone or something to prevent them from continuing to a destination
8. inc_____ent emotion
adj. emitting light as a result of being heated; shining brightly; passionate or enthusiastic

ANSWERS: 1. penetrate, 2. ultraviolet, 3. inefficient, 4. efflorescent, 5. flashlight, 6. electrify, 7. intercept, 8. incandescent

9. fla_____ht beam *n.* a portable electric light with a handle and a switch that can be turned on and off
10. el_____fy the audience *v.* to make a machine or system work by using electricity; to make someone extremely enthusiastic about or interested in something
11. he_____ht switch *n.* a bright forward-facing light on a vehicle, typically used at night to illuminate the road ahead
12. he_____ht adjustment *n.* a bright forward-facing light on a vehicle, typically used at night to illuminate the road ahead
13. sy_____is establishment *n.* a close, prolonged association between two or more different species of organisms, typically to the advantage of all
14. inc_____ent personality *adj.* emitting light as a result of being heated; shining brightly; passionate or enthusiastic
15. starry ill_____ion *n.* light or source of light; the degree of visibility of your environment
16. built-up m__t *n.* a long pole aboard a boat or ship that holds up the sails
17. ex___d time and resources *v.* to use or spend time, money, energy, etc.
18. eff_____ent growth *adj.* relating to the process of flowering or blooming; characterized by the formation of a powdery or crystalline deposit on the surface of a material due to the evaporation of water or other solvents

ANSWERS: 9. flashlight, 10. electrify, 11. headlight, 12. headlight, 13. symbiosis, 14. incandescent, 15. illumination, 16. mast, 17. expend, 18. efflorescent

19. mo____te from one key to another *v.* to change the key, style, loudness, etc., of something in music to create a particular effect; to fix or adjust the time, amount, degree, or rate of something
20. ex____d a great deal of energy *v.* to use or spend time, money, energy, etc.
21. ill____te my understanding *v.* to light something or to make something lighter or brighter; to make something free from confusion or ambiguity
22. pe____te quickly into the skin *v.* to pass into or through something, often by overcoming resistance
23. m__t height *n.* a long pole aboard a boat or ship that holds up the sails
24. deep su____n *n.* a darkening of the skin due to exposure to the sun, often as a result of deliberate sunbathing or outdoor activities with prolonged exposure to bright sunlight
25. indirect ill____ion *n.* light or source of light; the degree of visibility of your environment
26. industrial sy____is *n.* a close, prolonged association between two or more different species of organisms, typically to the advantage of all
27. peaceful dem____tor *n.* a person who publicly advocates for or protests against a particular cause, often in a group or a public space
28. high fi____ty music *n.* faithfulness to a person, cause, or thing; loyalty or devotion to a duty or obligation; accuracy or exactness in reproducing or representing something

ANSWERS: 19. modulate, 20. expend, 21. illuminate, 22. penetrate, 23. mast, 24. suntan, 25. illumination, 26. symbiosis, 27. demonstrator, 28. fidelity

29. ine_____nt use *adj.* lacking the ability or skill and not making the best use of time, money, energy, etc.
30. in_____pt X rays *v.* to stop and catch someone or something to prevent them from continuing to a destination
31. fi_____ty guarantee deposit *n.* faithfulness to a person, cause, or thing; loyalty or devotion to a duty or obligation; accuracy or exactness in reproducing or representing something
32. pet_____cal plant *n.* a chemical compound derived from petroleum or natural gas, used as a raw material in the manufacture of plastics, synthetic fibers, and other products
33. ill_____te a dark hall *v.* to light something or to make something lighter or brighter; to make something free from confusion or ambiguity
34. su_____n bed *n.* a darkening of the skin due to exposure to the sun, often as a result of deliberate sunbathing or outdoor activities with prolonged exposure to bright sunlight
35. mo_____te the function *v.* to change the key, style, loudness, etc., of something in music to create a particular effect; to fix or adjust the time, amount, degree, or rate of something
36. ill_____ing light *adj.* making something clear or easy to understand; providing light
37. ult_____et light *adj.* relating to or occupying the part of the spectrum beyond the violet end, especially radiation

ANSWERS: 29. inefficient, 30. intercept, 31. fidelity, 32. petrochemical, 33. illuminate, 34. suntan, 35. modulate, 36. illuminating, 37. ultraviolet

38. pet_____cal complex *n.* a chemical compound derived from petroleum or natural gas, used as a raw material in the manufacture of plastics, synthetic fibers, and other products
39. an ill_____ing answer *adj.* making something clear or easy to understand; providing light
40. violent dem_____tor *n.* a person who publicly advocates for or protests against a particular cause, often in a group or a public space

ANSWERS: 38. petrochemical, 39. illuminating, 40. demonstrator

Session 3: Fill in the Blanks

1. That biologist _____ the mechanism of heredity.
 - v. to light something or to make something lighter or brighter; to make something free from confusion or ambiguity

2. The police gathered in large numbers to control the _____ protesting in the streets.
 - n. a person who publicly advocates for or protests against a particular cause, often in a group or a public space

3. I spent the day at the beach and got a beautiful _____.
 - n. a darkening of the skin due to exposure to the sun, often as a result of deliberate sunbathing or outdoor activities with prolonged exposure to bright sunlight

4. The lecture was _____ and gave me a new perspective on the topic.
 - adj. making something clear or easy to understand; providing light

5. My car's _____ must be replaced before I drive again at night.
 - n. a bright forward-facing light on a vehicle, typically used at night to illuminate the road ahead

6. It is illegal to _____ police radio.
 - v. to stop and catch someone or something to prevent them from continuing to a destination

7. He used a backup _____ to find his way through the dark cave.
 - n. a portable electric light with a handle and a switch that can be turned on and off

ANSWERS: 1. illuminated, 2. demonstrators, 3. suntan, 4. illuminating, 5. headlight, 6. intercept, 7. flashlight

8. The main cabin is located in front of the _____.
- n.* a long pole aboard a boat or ship that holds up the sails
9. The town's economy relies heavily on the _____ industry.
- n.* a chemical compound derived from petroleum or natural gas, used as a raw material in the manufacture of plastics, synthetic fibers, and other products
10. Billionaires tend to _____ private funds on a public undertaking.
- v.* to use or spend time, money, energy, etc.
11. These chemicals _____ the effect of metabolism.
- v.* to change the key, style, loudness, etc., of something in music to create a particular effect; to fix or adjust the time, amount, degree, or rate of something
12. _____ radiation can cause skin damage if one is exposed for too long.
- adj.* relating to or occupying the part of the spectrum beyond the violet end, especially radiation
13. The skylight will give adequate _____ from above.
- n.* light or source of light; the degree of visibility of your environment
14. The artist's _____ paintings were featured in the gallery's exhibition.
- adj.* relating to the process of flowering or blooming; characterized by the formation of a powdery or crystalline deposit on the surface of a material due to the evaporation of water or other solvents
15. The product developed through years of research continues to _____ the market.
- v.* to make a machine or system work by using electricity; to make someone extremely enthusiastic about or interested in something

ANSWERS: 8. mast, 9. petrochemical, 10. expend, 11. modulate, 12. Ultraviolet, 13. illumination, 14. efflorescent, 15. electrify

16. The system is still so _____ that it is useless.

adj. lacking the ability or skill and not making the best use of time, money, energy, etc.

17. The _____ between the coral and the algae is an important example of mutualism.

n. a close, prolonged association between two or more different species of organisms, typically to the advantage of all

18. Western ideology slowly _____ through the eastern countries.

v. to pass into or through something, often by overcoming resistance

19. The couple promised each other _____ in their marriage vows.

n. faithfulness to a person, cause, or thing; loyalty or devotion to a duty or obligation; accuracy or exactness in reproducing or representing something

20. The _____ lights in the room created a warm and inviting atmosphere.

adj. emitting light as a result of being heated; shining brightly; passionate or enthusiastic

ANSWERS: 16. inefficient, 17. symbiosis, 18. penetrates, 19. fidelity, 20. incandescent