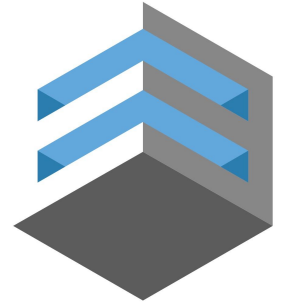


Englist.me



Vocabulary Builder Reference from...

Francis de los Reyes: How the water you flush becomes the water you drink | TED Talk

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

Advanced Words Only

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Session 1: Word List

recycle

v. to sort and collect things to process them and produce valuable materials that can be used again

synonym : reclaim, reuse, reprocess

(1) **recycle** the cardboard boxes, (2) **recycle** milk packaging into new paper

We largely **recycle** the circuit board of cell phones because they contain a lot of valuable metals.

feces

n. waste matter eliminated from the bowels; excrement

synonym : poop, stool, excrement

(1) **feces** sample, (2) human **feces**

Proper disposal of **feces** is essential for maintaining public health and sanitation.

glob

n. a small, round mass or lump; a drop or blob of liquid or viscous substance

synonym : ball, lump, sphere

(1) **glob** of paint, (2) **glob** of honey

She squeezed a **glob** of toothpaste onto her toothbrush.

sew

v. to join, fasten, or repair two pieces of something by putting the thread through them with a needle

synonym : stitch, darn, tailor

(1) **sew** with thread, (2) **sew** a button

My mother taught me how to **sew**.

rife

adj. full of, abundant with, or commonly present or encountered, often used to describe something undesirable or harmful

synonym : prevalent, abundant, widespread

(1) **rife** with rumors, (2) **rife** with uncertainty

Misinformation is **rife** on social media platforms.

contaminate

v. to make something impure, unclean, or poisonous by contact or mixture

synonym : defile, pollute, adulterate

(1) **contaminate** with a disease, (2) **contaminate** his ego

We strive not to **contaminate** the environment when demolishing petroleum plants.

pathogen

n. a bacterium, virus, or other microorganism that causes disease

synonym : germ, microbe, bacterium

(1) plant **pathogen**, (2) the **pathogen** in the air

mRNA vaccines are approved faster because they do not contain inactivated **pathogens**.

microorganism

n. a very small living thing that may exist in its single-celled form or as a colony of cells and is too small to be seen without a microscope

synonym : germ, microbe, bacterium

(1) pathogenic **microorganism**, (2) **microorganisms** in his gut

This **microorganism** is a producer of respiratory disease.

inorganic

adj. being or consisting of nonliving stuff; chemical compounds that contain no or only trace amounts of carbon

(1) **inorganic** acid, (2) **inorganic** nutrition

Inorganic substances include rocks and minerals.

pollute

v. to make an area or substance, such as land, air, water, etc., dirty or harmful to living things by adding waste matter or harmful chemicals

synonym: contaminate, corrupt, degrade

(1) **pollute** the air, (2) **pollute** the thread

We should do our best not to **pollute** the environment.

concoction

n. the mixture, often a complicated one; a preparation made by combining various ingredients

synonym: mixture, brew, composition

(1) **concoction** recipe, (2) coffee-milk **concoction**

The **concoction** of herbs and spices gave the soup a unique flavor.

microbe

n. a tiny living thing that can only be seen with a microscope and that may cause disease

synonym: germ, microorganism, bacterium

(1) pathogenic **microbe**, (2) **microbes** sterilizer

Microbes thrive on the surface of the human skin.

disinfect

v. to clean something using chemicals or other materials that kill germs or bacteria, making it safe and free from harmful microorganisms

synonym: cleanse, sanitize, sterilize

(1) **disinfect** a wound, (2) **disinfect** the kitchen

It is important to **disinfect** surfaces regularly to prevent the spread of germs.

potable

adj. suitable for drinking; safe and fit to be consumed as a beverage

synonym: drinkable, pure, clean

(1) **potable** wells, (2) **potable** drinking source

We should always ensure that we have a **potable** water source when going camping.

osmosis

n. the process by which molecules of a solvent (such as water) move through a semipermeable membrane from a region of higher concentration to a region of lower concentration; the gradual or subtle absorption of knowledge, ideas, or influence from one source to another

synonym : diffusion, permeation, absorption

(1) **osmosis** process, (2) **osmosis** tube

The roots of plants absorb water and nutrients through **osmosis**.

permeable

adj. capable of being penetrated, passed through, or absorbed; allowing liquids, gases, or other substances to pass through a surface or material, often with ease

synonym : porous, absorbent, permeative

(1) **permeable** membrane, (2) air- **permeable** fabric

The soil needs to be **permeable** so water can easily drain through it.

plunge

v. to dive quickly and steeply downward; to thrust or throw into something; (noun) a steep and rapid fall

synonym : dive, drop, thrust

(1) **plunge** into the water, (2) **plunge** a dagger through his heart

The company's profits **plunged** after the recall of their new product.

emit

v. to give off or send out something such as light, heat, sound, gas, etc.

synonym : give off, radiate, expel

(1) **emit** a gamma ray, (2) **emit** air pollution

During the unloading, the container box **emits** a clicking sound.

lingering

adj. continuing for a long time; persistent; remaining in a place or situation for longer than is usual or necessary; unwilling to leave

synonym :

prolonged, persistent, enduring

(1) **lingering** illness, (2) **lingering** doubts

The **lingering** smell of smoke clung to his clothes even after he left the campfire.

peroxide

n. a compound containing an oxygen-oxygen single bond or the anion O_2^{2-} , often associated with hydrogen peroxide (H_2O_2), a common antiseptic

synonym: bleach, hydrogen peroxide, hair dye

(1) **peroxide-based** cleaner, (2) **peroxide** bleach

She applied hydrogen **peroxide** to the wound to clean it.

pollutant

n. a substance or agent that pollutes or contaminates the environment, typically through release into the air, water, or soil

synonym: contaminant, toxic substance

(1) noxious **pollutant**, (2) water **pollutant**

The factory's use of chemicals has made it a significant **pollutant** in the area.

groundwater

n. water that is present beneath the surface of the ground, especially in soil or in pores and crevices in rock

synonym: aquifer, well water, underground water

(1) **groundwater** supply, (2) contaminated **groundwater**

The town's main source of water is natural **groundwater**.

aquifer

n. an underground layer of rock, sand, or Earth that can take in and hold water

(1) **aquifer** soil, (2) subsurface **aquifer**

Some areas melt snow by harnessing heat from underground **aquifers**.

diffuse

adj. spread out widely; not concentrated in one place

synonym: spread, scatter

(1) **diffuse** bleeding, (2) **diffuse** cloud

Direct lighting is preferable to **diffuse** lighting when reading.

degrade

v. to make something worse, especially in quality; to show or treat someone in a way that makes them seem no value and do not have the respect or reasonable opinion of others

synonym : demean, disgrace, impair

(1) **degrade** his public image, (2) **degrade** environmental quality

You should not **degrade** yourself by allowing them to use you.

lifeline

n. a line, rope, or cable used to support or rescue a person in danger or distress; vital or necessary support, connection, or source of help

synonym : savior, support, safety net

(1) **lifeline** support, (2) emotional **lifeline**

My best friend has been my **lifeline** throughout all of my hardships.

arid

adj. lacking in moisture or rainfall; dry and barren; lacking in interest, life, or vitality

synonym : dry, parched, barren

(1) **arid** terrain, (2) semi- **arid** zone

The desert is known for its **arid** climate and lack of rainfall.

Session 2: Spelling

1. de_____e his public image
v. to make something worse, especially in quality; to show or treat someone in a way that makes them seem no value and do not have the respect or reasonable opinion of others
2. e__t a gamma ray
v. to give off or send out something such as light, heat, sound, gas, etc.
3. coffee-milk con_____on
n. the mixture, often a complicated one; a preparation made by combining various ingredients
4. di_____ct the kitchen
v. to clean something using chemicals or other materials that kill germs or bacteria, making it safe and free from harmful microorganisms
5. water po_____nt
n. a substance or agent that pollutes or contaminates the environment, typically through release into the air, water, or soil
6. li_____ng doubts
adj. continuing for a long time; persistent; remaining in a place or situation for longer than is usual or necessary; unwilling to leave
7. in_____ic acid
adj. being or consisting of nonliving stuff; chemical compounds that contain no or only trace amounts of carbon
8. os_____s tube
n. the process by which molecules of a solvent (such as water) move through a semipermeable membrane from a region of higher concentration to a region of lower concentration; the gradual or subtle absorption of knowledge, ideas, or influence from one source to another

ANSWERS: 1. degrade, 2. emit, 3. concoction, 4. disinfect, 5. pollutant, 6. lingering, 7. inorganic, 8. osmosis

- | | |
|----------------------------|--|
| 9. plant pa____en | <i>n.</i> a bacterium, virus, or other microorganism that causes disease |
| 10. pe____de-based cleaner | <i>n.</i> a compound containing an oxygen-oxygen single bond or the anion O_2^{2-} , often associated with hydrogen peroxide (H_2O_2), a common antiseptic |
| 11. semi-a__d zone | <i>adj.</i> lacking in moisture or rainfall; dry and barren; lacking in interest, life, or vitality |
| 12. pe____de bleach | <i>n.</i> a compound containing an oxygen-oxygen single bond or the anion O_2^{2-} , often associated with hydrogen peroxide (H_2O_2), a common antiseptic |
| 13. li____ne support | <i>n.</i> a line, rope, or cable used to support or rescue a person in danger or distress; vital or necessary support, connection, or source of help |
| 14. noxious po____nt | <i>n.</i> a substance or agent that pollutes or contaminates the environment, typically through release into the air, water, or soil |
| 15. fe__s sample | <i>n.</i> waste matter eliminated from the bowels; excrement |
| 16. e__t air pollution | <i>v.</i> to give off or send out something such as light, heat, sound, gas, etc. |
| 17. subsurface aq____r | <i>n.</i> an underground layer of rock, sand, or Earth that can take in and hold water |
| 18. pl____e into the water | <i>v.</i> to dive quickly and steeply downward; to thrust or throw into something; (noun) a steep and rapid fall |

ANSWERS: 9. pathogen, 10. peroxide, 11. arid, 12. peroxide, 13. lifeline, 14. pollutant, 15. feces, 16. emit, 17. aquifer, 18. plunge

19. pl___e a dagger through his heart *v.* to dive quickly and steeply downward; to thrust or throw into something; (noun) a steep and rapid fall
20. pathogenic mi____e *n.* a tiny living thing that can only be seen with a microscope and that may cause disease
21. the pa____en in the air *n.* a bacterium, virus, or other microorganism that causes disease
22. po____e the thread *v.* to make an area or substance, such as land, air, water, etc., dirty or harmful to living things by adding waste matter or harmful chemicals
23. con____on recipe *n.* the mixture, often a complicated one; a preparation made by combining various ingredients
24. g__b of honey *n.* a small, round mass or lump; a drop or blob of liquid or viscous substance
25. po____e the air *v.* to make an area or substance, such as land, air, water, etc., dirty or harmful to living things by adding waste matter or harmful chemicals
26. gro____er supply *n.* water that is present beneath the surface of the ground, especially in soil or in pores and crevices in rock
27. po____e drinking source *adj.* suitable for drinking; safe and fit to be consumed as a beverage
28. emotional li____ne *n.* a line, rope, or cable used to support or rescue a person in danger or distress; vital or necessary support, connection, or source of help

ANSWERS: 19. plunge, 20. microbe, 21. pathogen, 22. pollute, 23. concoction, 24. glob, 25. pollute, 26. groundwater, 27. potable, 28. lifeline

29. in_____ic nutrition *adj.* being or consisting of nonliving stuff; chemical compounds that contain no or only trace amounts of carbon
30. os_____s process *n.* the process by which molecules of a solvent (such as water) move through a semipermeable membrane from a region of higher concentration to a region of lower concentration; the gradual or subtle absorption of knowledge, ideas, or influence from one source to another
31. mi_____es sterilizer *n.* a tiny living thing that can only be seen with a microscope and that may cause disease
32. con_____te his ego *v.* to make something impure, unclean, or poisonous by contact or mixture
33. air-pe_____le fabric *adj.* capable of being penetrated, passed through, or absorbed; allowing liquids, gases, or other substances to pass through a surface or material, often with ease
34. de_____e environmental quality *v.* to make something worse, especially in quality; to show or treat someone in a way that makes them seem no value and do not have the respect or reasonable opinion of others
35. r__e with uncertainty *adj.* full of, abundant with, or commonly present or encountered, often used to describe something undesirable or harmful

ANSWERS: 29. inorganic, 30. osmosis, 31. microbe, 32. contaminate, 33. permeable, 34. degrade, 35. rife

36. re____e milk packaging into new paper
v. to sort and collect things to process them and produce valuable materials that can be used again
37. di____e bleeding
adj. spread out widely; not concentrated in one place
38. pe_____le membrane
adj. capable of being penetrated, passed through, or absorbed; allowing liquids, gases, or other substances to pass through a surface or material, often with ease
39. human fe__s
n. waste matter eliminated from the bowels; excrement
40. con_____te with a disease
v. to make something impure, unclean, or poisonous by contact or mixture
41. r__e with rumors
adj. full of, abundant with, or commonly present or encountered, often used to describe something undesirable or harmful
42. di_____ct a wound
v. to clean something using chemicals or other materials that kill germs or bacteria, making it safe and free from harmful microorganisms
43. li_____ng illness
adj. continuing for a long time; persistent; remaining in a place or situation for longer than is usual or necessary; unwilling to leave
44. po_____e wells
adj. suitable for drinking; safe and fit to be consumed as a beverage
45. pathogenic mic_____ism
n. a very small living thing that may exist in its single-celled form or as a colony of cells and is too small to be seen without a microscope

ANSWERS: 36. recycle, 37. diffuse, 38. permeable, 39. feces, 40. contaminate, 41. rife, 42. disinfect, 43. lingering, 44. potable, 45. microorganism

46. g__b of paint *n.* a small, round mass or lump; a drop or blob of liquid or viscous substance
47. s_w a button *v.* to join, fasten, or repair two pieces of something by putting the thread through them with a needle
48. di_____e cloud *adj.* spread out widely; not concentrated in one place
49. aq_____r soil *n.* an underground layer of rock, sand, or Earth that can take in and hold water
50. a__d terrain *adj.* lacking in moisture or rainfall; dry and barren; lacking in interest, life, or vitality
51. contaminated gro_____er *n.* water that is present beneath the surface of the ground, especially in soil or in pores and crevices in rock
52. re_____e the cardboard boxes *v.* to sort and collect things to process them and produce valuable materials that can be used again
53. s_w with thread *v.* to join, fasten, or repair two pieces of something by putting the thread through them with a needle
54. mic_____isms in his gut *n.* a very small living thing that may exist in its single-celled form or as a colony of cells and is too small to be seen without a microscope

ANSWERS: 46. glob, 47. sew, 48. diffuse, 49. aquifer, 50. arid, 51. groundwater, 52. recycle, 53. sew, 54. microorganism

Session 3: Fill in the Blanks

1. Misinformation is _____ on social media platforms.
adj. full of, abundant with, or commonly present or encountered, often used to describe something undesirable or harmful
2. The _____ of herbs and spices gave the soup a unique flavor.
n. the mixture, often a complicated one; a preparation made by combining various ingredients
3. The soil needs to be _____ so water can easily drain through it.
adj. capable of being penetrated, passed through, or absorbed; allowing liquids, gases, or other substances to pass through a surface or material, often with ease
4. mRNA vaccines are approved faster because they do not contain inactivated _____.
n. a bacterium, virus, or other microorganism that causes disease
5. The desert is known for its _____ climate and lack of rainfall.
adj. lacking in moisture or rainfall; dry and barren; lacking in interest, life, or vitality
6. The factory's use of chemicals has made it a significant _____ in the area.
n. a substance or agent that pollutes or contaminates the environment, typically through release into the air, water, or soil
7. During the unloading, the container box _____ a clicking sound.
v. to give off or send out something such as light, heat, sound, gas, etc.

ANSWERS: 1. rife, 2. concoction, 3. permeable, 4. pathogens, 5. arid, 6. pollutant, 7. emits

8. We should always ensure that we have a _____ water source when going camping.
adj. suitable for drinking; safe and fit to be consumed as a beverage
9. Some areas melt snow by harnessing heat from underground _____.
n. an underground layer of rock, sand, or Earth that can take in and hold water
10. We strive not to _____ the environment when demolishing petroleum plants.
v. to make something impure, unclean, or poisonous by contact or mixture
11. _____ thrive on the surface of the human skin.
n. a tiny living thing that can only be seen with a microscope and that may cause disease
12. My best friend has been my _____ throughout all of my hardships.
n. a line, rope, or cable used to support or rescue a person in danger or distress; vital or necessary support, connection, or source of help
13. She squeezed a _____ of toothpaste onto her toothbrush.
n. a small, round mass or lump; a drop or blob of liquid or viscous substance
14. Direct lighting is preferable to _____ lighting when reading.
adj. spread out widely; not concentrated in one place
15. _____ substances include rocks and minerals.
adj. being or consisting of nonliving stuff; chemical compounds that contain no or only trace amounts of carbon

ANSWERS: 8. potable, 9. aquifers, 10. contaminate, 11. Microbes, 12. lifeline, 13. glob, 14. diffuse, 15. Inorganic

16. This _____ is a producer of respiratory disease.
- n.* a very small living thing that may exist in its single-celled form or as a colony of cells and is too small to be seen without a microscope
17. We should do our best not to _____ the environment.
- v.* to make an area or substance, such as land, air, water, etc., dirty or harmful to living things by adding waste matter or harmful chemicals
18. You should not _____ yourself by allowing them to use you.
- v.* to make something worse, especially in quality; to show or treat someone in a way that makes them seem no value and do not have the respect or reasonable opinion of others
19. The company's profits _____ after the recall of their new product.
- v.* to dive quickly and steeply downward; to thrust or throw into something; (noun) a steep and rapid fall
20. My mother taught me how to _____.
- v.* to join, fasten, or repair two pieces of something by putting the thread through them with a needle
21. She applied hydrogen _____ to the wound to clean it.
- n.* a compound containing an oxygen-oxygen single bond or the anion O_2^{2-} , often associated with hydrogen peroxide (H_2O_2), a common antiseptic
22. The roots of plants absorb water and nutrients through _____.
- n.* the process by which molecules of a solvent (such as water) move through a semipermeable membrane from a region of higher concentration to a region of lower concentration; the gradual or subtle absorption of knowledge, ideas, or influence from one source to another

ANSWERS: 16. microorganism, 17. pollute, 18. degrade, 19. plunged, 20. sew, 21. peroxide, 22. osmosis

23. The town's main source of water is natural _____.
- n.* water that is present beneath the surface of the ground, especially in soil or in pores and crevices in rock
24. It is important to _____ surfaces regularly to prevent the spread of germs.
- v.* to clean something using chemicals or other materials that kill germs or bacteria, making it safe and free from harmful microorganisms
25. We largely _____ the circuit board of cell phones because they contain a lot of valuable metals.
- v.* to sort and collect things to process them and produce valuable materials that can be used again
26. The _____ smell of smoke clung to his clothes even after he left the campfire.
- adj.* continuing for a long time; persistent; remaining in a place or situation for longer than is usual or necessary; unwilling to leave
27. Proper disposal of _____ is essential for maintaining public health and sanitation.
- n.* waste matter eliminated from the bowels; excrement

ANSWERS: 23. groundwater, 24. disinfect, 25. recycle, 26. lingering, 27. feces