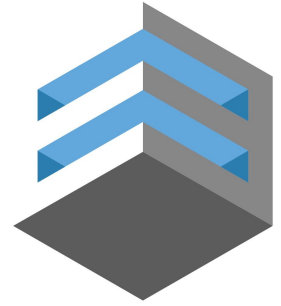


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Vocabulary Builder Reference from...

Radhika Nagpal: What intelligent machines can learn from a school of fish | TED Talk

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

Advanced Words Only

IMPORTANT

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Session 1: Word List

snorkel

n. a tube-like device used for breathing underwater, with one end in the mouth and the other above the surface of the water

synonym: tube, breather

(1) **snorkel** gear, (2) scuba **snorkel**

The **snorkel** rental shop provided us with a map of the nearby snorkel sites.

terrifying

adj. very frightening or intimidating

synonym: frightening, intimidating, alarming

(1) **terrifying** experience, (2) **terrifying** events

Large earthquakes often generate **terrifying** tsunamis.

swerve

v. to change direction suddenly, often to avoid something or to turn sharply

synonym: veer, deviate, curve

(1) **swerve** off the road, (2) **swerve** from the topic

The driver had to **swerve** to avoid hitting the deer in the middle of the road.

mesmerize

v. to captivate or fascinate; to hold the complete attention of

synonym: captivate, trance, enchant

(1) **mesmerize** a subject, (2) **mesmerize** with magic
The magician's performance **mesmerized** the audience.

determinant

n. a factor, circumstance, or condition that contributes to the shaping, influencing, or determining of a particular outcome or result

synonym: cause, factor, element

(1) environmental **determinant**, (2) a **determinant** of crop yields

One **determinant** of success is having a positive attitude and a strong work ethic.

starling

n. a bird with dark and iridescent feathers, often found in large flocks

(1) **starling** bird, (2) **starling** migration

The **starling** flock created a mesmerizing display in the sky.

myopic

adj. near-sighted; lacking foresight or ability to plan; narrow-minded or lacking in perspective

synonym: nearsighted, short-sighted, unforesightful

(1) **myopic** vision, (2) **myopic** thinking

His **myopic** view of the situation prevented him from seeing the bigger picture.

secondly

adv. used to introduce the second point or item in a list or series of statements, considerations, etc.

synonym: in the second place, next, subsequently

(1) **secondly** connected, (2) **secondly**, it is important

Firstly, we will discuss the budget; **secondly**, we will go over the schedule.

robotic

adj. of or relating to mechanical robots; (robotics) the interdisciplinary branch of computer science and engineering with the practical use of robots

synonym: automated, mechanical, laborsaving

(1) **robotic** arm, (2) **robotic** guide operation

The surgeon removed the tumor using **robotic** video assistance.

synchronize

v. to happen or cause to happen at the same time or rate

synonym: coordinate, accompany, harmonize

(1) **synchronize** movements, (2) **synchronize** our watches

The ball speed will increase when the lower body movements are perfectly **synchronized**.

clap

v. to hit your hands together and make a short and loud noise, mainly to show your approval or praise

synonym: applaud, spat, acclaim

(1) **clap** my hands, (2) **clap** a book shut

We **clapped** along with the singer's song.

firefly

n. a flying nocturnal insect common in warm regions with a tail that shines in the dark

(1) the glow of a **firefly**, (2) sparkle like **firefly**

In that country, there is a culture of eating live **firefly** squid.

blob

n. a small amount or drop of a thick liquid or sticky substance

synonym: chunk, lump, hunk

(1) a big **blob** of yellow, (2) a **blob** of jelly

A **blob** of ink fell on the floor.

mound

n. a raised area of ground or dirt, often used for burial, construction, or as a fortification; a large, rounded pile or heap

synonym: hill, knoll, rise

(1) **mound** of dirt, (2) burial **mound**

The team discovered a hidden **mound** in the desert.

termite

n. a small, pale social insect that feeds on wood and can cause significant damage to wooden structures and furniture

synonym: woodworm, white ant, insect

(1) **termite** damage, (2) **termite** inspection

The house was infested with **termites** and required extensive repairs.

traverse

v. to cross or move through a land or water area

synonym: cross, pass through, travel over

(1) **traverse** the region, (2) **traverse** a vast extent of sea

Approximately 1000 automobiles **traverse** the bridge every day.

levee

n. an artificial embankment or wall built to prevent a river or low-lying land from flooding

synonym: dike, embankment, floodwall

(1) **levee** protection, (2) **levee** breach

The concrete **levee** protects from the rising river during floods.

obsess

v. to fill the mind of someone continually so that one can't think of anything else

synonym: torment, beset, engross

(1) **obsess** over her weight, (2) he is **obsessed** with the fear

He's utterly **obsessed** with his promotion.

pollinate

v. to transfer pollen from the male part of a flower to the female part, thereby fertilizing the plant and allowing it to produce fruit or seeds; to spread or disseminate an idea or influence to others

synonym: fertilize, propagate

(1) **pollinate** plants, (2) **pollinate** fruit trees

Without bees to **pollinate** the flowers, many crops would not exist.

constellation

n. a group of stars that form a recognizable pattern and have a name; a group of related or similar ideas, things, or people

synonym: asterism, array, pattern

(1) the stars of the Scorpion **constellation**, (2) northern **constellation**

Navigators still use the Little Bear **constellation** at sea.

manifestation

n. a visible or tangible form of something, especially a particular sign of a disease or condition

synonym: expression, embodiment, presentation

(1) **manifestation** of a deeper problem, (2) **manifestation** of psychological stress

The **manifestation** of his anxiety was evident in his shaking hands.

improvisation

n. the act of making something up on the spot or creating or performing something without preparation

synonym: spontaneity, ad-lib, extemporization

(1) **improvisation** on stage, (2) jazz **improvisation**

He created a beautiful piece of music using only **improvisation**.

Session 2: Spelling

1. c__p my hands
v. to hit your hands together and make a short and loud noise, mainly to show your approval or praise
2. ro____c guide operation
adj. of or relating to mechanical robots; (robotics) the interdisciplinary branch of computer science and engineering with the practical use of robots
3. le__e breach
n. an artificial embankment or wall built to prevent a river or low-lying land from flooding
4. scuba sn____l
n. a tube-like device used for breathing underwater, with one end in the mouth and the other above the surface of the water
5. my____c thinking
adj. near-sighted; lacking foresight or ability to plan; narrow-minded or lacking in perspective
6. mo__d of dirt
n. a raised area of ground or dirt, often used for burial, construction, or as a fortification; a large, rounded pile or heap
7. burial mo__d
n. a raised area of ground or dirt, often used for burial, construction, or as a fortification; a large, rounded pile or heap
8. a b__b of jelly
n. a small amount or drop of a thick liquid or sticky substance

ANSWERS: 1. clap, 2. robotic, 3. levee, 4. snorkel, 5. myopic, 6. mound, 7. mound, 8. blob

9. sparkle like fi____y *n.* a flying nocturnal insect common in warm regions with a tail that shines in the dark
10. st____ng bird *n.* a bird with dark and iridescent feathers, often found in large flocks
11. northern con_____ion *n.* a group of stars that form a recognizable pattern and have a name; a group of related or similar ideas, things, or people
12. se____ly, it is important *adv.* used to introduce the second point or item in a list or series of statements, considerations, etc.
13. ter_____ng experience *adj.* very frightening or intimidating
14. tr____se a vast extent of sea *v.* to cross or move through a land or water area
15. a det_____nt of crop yields *n.* a factor, circumstance, or condition that contributes to the shaping, influencing, or determining of a particular outcome or result
16. syn_____ze movements *v.* to happen or cause to happen at the same time or rate
17. c__p a book shut *v.* to hit your hands together and make a short and loud noise, mainly to show your approval or praise
18. the glow of a fi____y *n.* a flying nocturnal insect common in warm regions with a tail that shines in the dark
19. imp_____ion on stage *n.* the act of making something up on the spot or creating or performing something without preparation

ANSWERS: 9. firefly, 10. starling, 11. constellation, 12. secondly, 13. terrifying, 14. traverse, 15. determinant, 16. synchronize, 17. clap, 18. firefly, 19. improvisation

20. a big b__b of yellow *n.* a small amount or drop of a thick liquid or sticky substance
21. man_____ion of psychological stress *n.* a visible or tangible form of something, especially a particular sign of a disease or condition
22. environmental det_____nt *n.* a factor, circumstance, or condition that contributes to the shaping, influencing, or determining of a particular outcome or result
23. te_____e inspection *n.* a small, pale social insect that feeds on wood and can cause significant damage to wooden structures and furniture
24. sw___e from the topic *v.* to change direction suddenly, often to avoid something or to turn sharply
25. se_____ly connected *adv.* used to introduce the second point or item in a list or series of statements, considerations, etc.
26. syn_____ze our watches *v.* to happen or cause to happen at the same time or rate
27. ro_____c arm *adj.* of or relating to mechanical robots; (robotics) the interdisciplinary branch of computer science and engineering with the practical use of robots
28. st_____ng migration *n.* a bird with dark and iridescent feathers, often found in large flocks
29. sw___e off the road *v.* to change direction suddenly, often to avoid something or to turn sharply
30. ob___s over her weight *v.* to fill the mind of someone continually so that one can't think of anything else

ANSWERS: 20. blob, 21. manifestation, 22. determinant, 23. termite, 24. swerve, 25. secondly, 26. synchronize, 27. robotic, 28. starling, 29. swerve, 30. obsess

31. po_____te plants *v.* to transfer pollen from the male part of a flower to the female part, thereby fertilizing the plant and allowing it to produce fruit or seeds; to spread or disseminate an idea or influence to others
32. tr_____se the region *v.* to cross or move through a land or water area
33. sn_____l gear *n.* a tube-like device used for breathing underwater, with one end in the mouth and the other above the surface of the water
34. ter_____ng events *adj.* very frightening or intimidating
35. jazz imp_____ion *n.* the act of making something up on the spot or creating or performing something without preparation
36. te_____e damage *n.* a small, pale social insect that feeds on wood and can cause significant damage to wooden structures and furniture
37. he is ob___sed with the fear *v.* to fill the mind of someone continually so that one can't think of anything else
38. le__e protection *n.* an artificial embankment or wall built to prevent a river or low-lying land from flooding
39. man_____ion of a deeper problem *n.* a visible or tangible form of something, especially a particular sign of a disease or condition
40. the stars of the Scorpion
con_____ion *n.* a group of stars that form a recognizable pattern and have a name; a group of related or similar ideas, things, or people

ANSWERS: 31. pollinate, 32. traverse, 33. snorkel, 34. terrifying, 35. improvisation, 36. termite, 37. obsess, 38. levee, 39. manifestation, 40. constellation

41. my___c vision *adj.* near-sighted; lacking foresight or ability to plan; narrow-minded or lacking in perspective
42. po_____te fruit trees *v.* to transfer pollen from the male part of a flower to the female part, thereby fertilizing the plant and allowing it to produce fruit or seeds; to spread or disseminate an idea or influence to others
43. me_____ze a subject *v.* to captivate or fascinate; to hold the complete attention of
44. me_____ze with magic *v.* to captivate or fascinate; to hold the complete attention of

ANSWERS: 41. myopic, 42. pollinate, 43. mesmerize, 44. mesmerize

Session 3: Fill in the Blanks

1. We _____ along with the singer's song.
 - v. to hit your hands together and make a short and loud noise, mainly to show your approval or praise

2. The magician's performance _____ the audience.
 - v. to captivate or fascinate; to hold the complete attention of

3. The driver had to _____ to avoid hitting the deer in the middle of the road.
 - v. to change direction suddenly, often to avoid something or to turn sharply

4. The _____ of his anxiety was evident in his shaking hands.
 - n. a visible or tangible form of something, especially a particular sign of a disease or condition

5. The team discovered a hidden _____ in the desert.
 - n. a raised area of ground or dirt, often used for burial, construction, or as a fortification; a large, rounded pile or heap

6. The _____ rental shop provided us with a map of the nearby snorkel sites.
 - n. a tube-like device used for breathing underwater, with one end in the mouth and the other above the surface of the water

7. Firstly, we will discuss the budget; _____ we will go over the schedule.
 - adv. used to introduce the second point or item in a list or series of statements, considerations, etc.

8. One _____ of success is having a positive attitude and a strong work ethic.
 - n. a factor, circumstance, or condition that contributes to the shaping, influencing, or determining of a particular outcome or result

ANSWERS: 1. clapped, 2. mesmerized, 3. swerve, 4. manifestation, 5. mound, 6. snorkel, 7. secondly, 8. determinant

9. He's utterly _____ with his promotion.
v. to fill the mind of someone continually so that one can't think of anything else
10. Large earthquakes often generate _____ tsunamis.
adj. very frightening or intimidating
11. The _____ flock created a mesmerizing display in the sky.
n. a bird with dark and iridescent feathers, often found in large flocks
12. Navigators still use the Little Bear _____ at sea.
n. a group of stars that form a recognizable pattern and have a name; a group of related or similar ideas, things, or people
13. The concrete _____ protects from the rising river during floods.
n. an artificial embankment or wall built to prevent a river or low-lying land from flooding
14. The house was infested with _____ and required extensive repairs.
n. a small, pale social insect that feeds on wood and can cause significant damage to wooden structures and furniture
15. In that country, there is a culture of eating live _____ squid.
n. a flying nocturnal insect common in warm regions with a tail that shines in the dark
16. His _____ view of the situation prevented him from seeing the bigger picture.
adj. near-sighted; lacking foresight or ability to plan; narrow-minded or lacking in perspective

ANSWERS: 9. obsessed, 10. terrifying, 11. starling, 12. constellation, 13. levee, 14. termites, 15. firefly, 16. myopic

17. A _____ of ink fell on the floor.

n. a small amount or drop of a thick liquid or sticky substance

18. The surgeon removed the tumor using _____ video assistance.

adj. of or relating to mechanical robots; (robotics) the interdisciplinary branch of computer science and engineering with the practical use of robots

19. The ball speed will increase when the lower body movements are perfectly _____.

v. to happen or cause to happen at the same time or rate

20. He created a beautiful piece of music using only _____.

n. the act of making something up on the spot or creating or performing something without preparation

21. Without bees to _____ the flowers, many crops would not exist.

v. to transfer pollen from the male part of a flower to the female part, thereby fertilizing the plant and allowing it to produce fruit or seeds; to spread or disseminate an idea or influence to others

22. Approximately 1000 automobiles _____ the bridge every day.

v. to cross or move through a land or water area

ANSWERS: 17. blob, 18. robotic, 19. synchronized, 20. improvisation, 21. pollinate, 22. traverse