

# Englist.me



## Vocabulary Builder Reference from...

*Ariel Anbar: A needle in countless haystacks: Finding habitable worlds | TED Talk*

[https://www.ted.com/talks/ariel\\_anbar\\_a\\_needle\\_in\\_countless\\_haystacks\\_finding\\_habitable\\_worlds](https://www.ted.com/talks/ariel_anbar_a_needle_in_countless_haystacks_finding_habitable_worlds)

### Advanced Words Only

#### IMPORTANT

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## Session 1: Word List

### haystack

*n.* a large mound of hay, usually stacked in a conical or cylindrical shape, used for animal feed or bedding

*synonym*: pile, heap, stack

(1) **haystack** fire, (2) lost in a **haystack**

The children played hide and seek in the **haystacks** in the barnyard.

### watery

*adj.* full of or containing water; wet

*synonym*: liquid, wet, damp

(1) a **watery** fluid, (2) go to a **watery** grave

The soup was too **watery** and needed more flavor.

### excite

*v.* to make someone feel suddenly enthusiastic or eager

*synonym*: thrill, exhilarate, animate

(1) **excite** the crowd, (2) **excite** rebellion

The news of her promotion **excited** her.

### suffice

*v.* to be enough or sufficient; to meet the needs or requirements of something or someone; to satisfy or fulfill a purpose

*synonym*: satisfy, meet, be enough

(1) **suffice** to live, (2) **suffice** as evidence

Would one cup of flour **suffice** for this recipe?

## complication

*n.* something that makes a situation or condition that is complex or confused

*synonym*: confusion, complexity, difficulty

(1) **complication** of structure, (2) resolve without **complication**

He also continued to struggle with serious long-term **complications**.

## Venus

*n.* the planet second in order from the sun

(1) **Venus** orbiter, (2) surface of **Venus**

They launched a rocket toward **Venus**.

## astronomer

*n.* a physicist who studies astronomy

*synonym*: stargazer, cosmologist, astrophysicist

(1) amateur **astronomer**, (2) solar **astronomer**

This question has fascinated solar **astronomers** for decades.

## 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.

## fissure

*n.* a narrow opening or crack, especially in a rock or other hard substance; a division or splitting within a group or organization

*synonym*: crack, crevice, gap

(1) pulmonary **fissure**, (2) **fissure** in the relationship

The **fissure** in the rock was too narrow to squeeze through.

## acidic

*adj.* having a pH lower than 7; having characteristics of an acid, such as tasting sour or corroding metal

*synonym*: sour, tart, acrid

(1) **acidic** solution, (2) **acidic** taste

The soil in this region is too **acidic** for most crops to grow well.

## droplet

*n.* a small drop of liquid

*synonym* : bead, drip, dewdrop

(1) **droplet** size, (2) **droplet** formation

A single **droplet** of water can reflect the entire world upside down.

## extremophile

*n.* a type of organism, typically a microbe, that can survive and thrive in extreme or harsh environments that would be inhospitable to most other forms of life, such as high heat, acidity, radiation, or pressure

(1) **extremophile** adaptations, (2) **extremophile** habitat

**Extremophile** bacteria can survive in extreme heat, cold, and radiation.

## subterranean

*adj.* under the ground

*synonym* : underground, belowground, subsurface

(1) **subterranean** rooms, (2) **subterranean** motives for murder

Such **subterranean** passages span kilometers in London.

## astrobiology

*n.* the study of the origin, evolution, distribution, and future of life in the universe, including the search for extraterrestrial life

(1) **astrobiology** finding, (2) valuable data for **astrobiology**

The discovery of liquid water on Mars has opened up new avenues for **astrobiology** research.

## iceberg

*n.* a large piece of ice floating in the sea, detached from a glacier

*synonym* : glacier, ice mass, floe

(1) hit an **iceberg**, (2) **iceberg** melting

The ship encountered a series of **icebergs** and had to change its course.

## 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**.

## Jovian

*adj.* relating to Jupiter or its characteristics

*synonym* : Jupiter, giant planet

(1) **Jovian** satellites, (2) **Jovian** planet

The **Jovian** moon Europa is believed to have an ocean beneath its icy surface.

## geyser

*n.* a natural hot spring that periodically ejects a column of boiling water and steam into the air; a device that produces a similar effect for decorative or practical purposes

*synonym* : hot spring, fumarole

(1) erupting **geyser**, (2) Yellowstone **geyser**

The **geyser's** hot water generates electricity for nearby towns and cities.

## erupt

*v.* (of a volcano) to become active and eject rocks, smoke, etc.; to start abruptly and violently

*synonym* : eject, emit, burst

(1) **erupt** in anger, (2) **erupt** into tears

Battles between whites and blacks **erupted** immediately.

## Session 2: Spelling

1. su\_\_\_\_e to live *v.* to be enough or sufficient; to meet the needs or requirements of something or someone; to satisfy or fulfill a purpose
2. Jo\_\_\_n planet *adj.* relating to Jupiter or its characteristics
3. surface of Ve\_\_s *n.* the planet second in order from the sun
4. ac\_\_\_c solution *adj.* having a pH lower than 7; having characteristics of an acid, such as tasting sour or corroding metal
5. fi\_\_\_\_\_e in the relationship *n.* a narrow opening or crack, especially in a rock or other hard substance; a division or splitting within a group or organization
6. er\_\_t in anger *v.* (of a volcano) to become active and eject rocks, smoke, etc.; to start abruptly and violently
7. pathogenic mi\_\_\_\_\_e *n.* a tiny living thing that can only be seen with a microscope and that may cause disease
8. com\_\_\_\_\_ion of structure *n.* something that makes a situation or condition that is complex or confused
9. Yellowstone ge\_\_\_r *n.* a natural hot spring that periodically ejects a column of boiling water and steam into the air; a device that produces a similar effect for decorative or practical purposes
10. hit an ic\_\_\_\_\_g *n.* a large piece of ice floating in the sea, detached from a glacier

ANSWERS: 1. suffice, 2. Jovian, 3. Venus, 4. acidic, 5. fissure, 6. erupt, 7. microbe, 8. complication, 9. geyser, 10. iceberg

11. resolve without com\_\_\_\_\_ion      *n.* something that makes a situation or condition that is complex or confused
12. ac\_\_\_c taste      *adj.* having a pH lower than 7; having characteristics of an acid, such as tasting sour or corroding metal
13. ext\_\_\_\_\_ile adaptations      *n.* a type of organism, typically a microbe, that can survive and thrive in extreme or harsh environments that would be inhospitable to most other forms of life, such as high heat, acidity, radiation, or pressure
14. go to a wa\_\_\_y grave      *adj.* full of or containing water; wet
15. sub\_\_\_\_\_ean rooms      *adj.* under the ground
16. sub\_\_\_\_\_ean motives for murder      *adj.* under the ground
17. er\_\_t into tears      *v.* (of a volcano) to become active and eject rocks, smoke, etc.; to start abruptly and violently
18. ex\_\_\_e rebellion      *v.* to make someone feel suddenly enthusiastic or eager
19. solar ast\_\_\_\_\_er      *n.* a physicist who studies astronomy
20. ast\_\_\_\_\_ogy finding      *n.* the study of the origin, evolution, distribution, and future of life in the universe, including the search for extraterrestrial life
21. valuable data for ast\_\_\_\_\_ogy      *n.* the study of the origin, evolution, distribution, and future of life in the universe, including the search for extraterrestrial life

ANSWERS: 11. complication, 12. acidic, 13. extremophile, 14. watery, 15. subterranean, 16. subterranean, 17. erupt, 18. excite, 19. astronomer, 20. astrobiology, 21. astrobiology

22. dr\_\_\_\_t size *n.* a small drop of liquid
23. Jo\_\_\_n satellites *adj.* relating to Jupiter or its characteristics
24. mi\_\_\_\_\_es sterilizer *n.* a tiny living thing that can only be seen with a microscope and that may cause disease
25. amateur ast\_\_\_\_\_er *n.* a physicist who studies astronomy
26. aq\_\_\_\_\_r soil *n.* an underground layer of rock, sand, or Earth that can take in and hold water
27. lost in a ha\_\_\_\_\_ck *n.* a large mound of hay, usually stacked in a conical or cylindrical shape, used for animal feed or bedding
28. pulmonary fi\_\_\_\_\_e *n.* a narrow opening or crack, especially in a rock or other hard substance; a division or splitting within a group or organization
29. ext\_\_\_\_\_ile habitat *n.* a type of organism, typically a microbe, that can survive and thrive in extreme or harsh environments that would be inhospitable to most other forms of life, such as high heat, acidity, radiation, or pressure
30. ha\_\_\_\_\_ck fire *n.* a large mound of hay, usually stacked in a conical or cylindrical shape, used for animal feed or bedding
31. su\_\_\_\_\_e as evidence *v.* to be enough or sufficient; to meet the needs or requirements of something or someone; to satisfy or fulfill a purpose
32. ex\_\_\_e the crowd *v.* to make someone feel suddenly enthusiastic or eager

ANSWERS: 22. droplet, 23. Jovian, 24. microbe, 25. astronomer, 26. aquifer, 27. haystack, 28. fissure, 29. extremophile, 30. haystack, 31. suffice, 32. excite

33. subsurface aq\_\_\_\_r *n.* an underground layer of rock, sand, or Earth that can take in and hold water
34. dr\_\_\_\_t formation *n.* a small drop of liquid
35. Ve\_\_s orbiter *n.* the planet second in order from the sun
36. a wa\_\_\_\_y fluid *adj.* full of or containing water; wet
37. erupting ge\_\_\_\_r *n.* a natural hot spring that periodically ejects a column of boiling water and steam into the air; a device that produces a similar effect for decorative or practical purposes
38. ic\_\_\_\_g melting *n.* a large piece of ice floating in the sea, detached from a glacier

ANSWERS: 33. aquifer, 34. droplet, 35. Venus, 36. watery, 37. geyser, 38. iceberg



## Session 3: Fill in the Blanks

1. The soil in this region is too \_\_\_\_\_ for most crops to grow well.  
*adj.* having a pH lower than 7; having characteristics of an acid, such as tasting sour or corroding metal
2. They launched a rocket toward \_\_\_\_\_.  
*n.* the planet second in order from the sun
3. Such \_\_\_\_\_ passages span kilometers in London.  
*adj.* under the ground
4. The \_\_\_\_\_ moon Europa is believed to have an ocean beneath its icy surface.  
*adj.* relating to Jupiter or its characteristics
5. The children played hide and seek in the \_\_\_\_\_ in the barnyard.  
*n.* a large mound of hay, usually stacked in a conical or cylindrical shape, used for animal feed or bedding
6. A single \_\_\_\_\_ of water can reflect the entire world upside down.  
*n.* a small drop of liquid
7. The discovery of liquid water on Mars has opened up new avenues for \_\_\_\_\_ research.  
*n.* the study of the origin, evolution, distribution, and future of life in the universe, including the search for extraterrestrial life
8. 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

ANSWERS: 1. acidic, 2. Venus, 3. subterranean, 4. Jovian, 5. haystacks, 6. droplet, 7. astrobiology, 8. aquifers

9. The \_\_\_\_\_ hot water generates electricity for nearby towns and cities.
- n.* a natural hot spring that periodically ejects a column of boiling water and steam into the air; a device that produces a similar effect for decorative or practical purposes
10. Battles between whites and blacks \_\_\_\_\_ immediately.
- v.* (of a volcano) to become active and eject rocks, smoke, etc.; to start abruptly and violently
11. He also continued to struggle with serious long-term \_\_\_\_\_.
- n.* something that makes a situation or condition that is complex or confused
12. Would one cup of flour \_\_\_\_\_ for this recipe?
- v.* to be enough or sufficient; to meet the needs or requirements of something or someone; to satisfy or fulfill a purpose
13. \_\_\_\_\_ 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
14. The soup was too \_\_\_\_\_ and needed more flavor.
- adj.* full of or containing water; wet
15. \_\_\_\_\_ bacteria can survive in extreme heat, cold, and radiation.
- n.* a type of organism, typically a microbe, that can survive and thrive in extreme or harsh environments that would be inhospitable to most other forms of life, such as high heat, acidity, radiation, or pressure
16. The \_\_\_\_\_ in the rock was too narrow to squeeze through.
- n.* a narrow opening or crack, especially in a rock or other hard substance; a division or splitting within a group or organization

ANSWERS: 9. geyser's, 10. erupted, 11. complications, 12. suffice, 13. Microbes, 14. watery, 15. Extremophile, 16. fissure

17. This question has fascinated solar \_\_\_\_\_ for decades.  
*n.* a physicist who studies astronomy
18. The ship encountered a series of \_\_\_\_\_ and had to change its course.  
*n.* a large piece of ice floating in the sea, detached from a glacier
19. The news of her promotion \_\_\_\_\_ her.  
*v.* to make someone feel suddenly enthusiastic or eager

ANSWERS: 17. astronomers, 18. icebergs, 19. excited