

# Englist.me



## Vocabulary Builder Reference from...

*Jessie Christiansen: What the discovery of exoplanets reveals about the universe | TED Talk*  
[https://www.ted.com/talks/jessie\\_christiansen\\_what\\_the\\_discovery\\_of\\_exoplanets\\_reveals\\_about\\_the\\_universe](https://www.ted.com/talks/jessie_christiansen_what_the_discovery_of_exoplanets_reveals_about_the_universe)

### Advanced Words Only

#### IMPORTANT

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## Session 1: Word List

### exoplanet

*n.* a planet that orbits a star outside of the solar system  
(1) the closest **exoplanet** to Earth, (2) **exoplanet** mission  
The **exoplanet** Kepler-186f is located 500 light-years from Earth and is believed to be habitable.

### ponder

*v.* to think deeply or carefully about something  
*synonym*: think about, consider, reflect on  
(1) **ponder** divine matters, (2) **ponder** life's meaning  
She sat quietly, **pondering** the difficult decision.

### precis

*v.* to make a summary of something, such as a text or speech; (noun) a short form of the main points of an argument or theory  
*synonym*: summarize, abstract, digest  
(1) **precis** the contents of a book, (2) a **precis** of recent advances in AI  
He **precis** this lengthy report in two pages.

### categorize

*v.* to put people or things into groups according to their features, types, etc.  
*synonym*: classify, pigeonhole, sort  
(1) **categorize** the image, (2) **categorize** the cause of

failure

The biologist **categorized** the viruses into four groups.

## germ

*n.* a very tiny living that causes the disease; a piece of something such as an organism, concept, etc., capable of growing into a new one or part of one

*synonym*: bacterium, microbe, pathogen

(1) antibiotic-resistant **germ**, (2) a **germ-free** environment

The **germ** of his idea came from watching birds flying in flocks.

## beagle

*n.* a small dog with a smooth coat, long ears, and a strong sense of smell, used for hunting hares

*synonym*: hound, dog, pup

(1) legal **beagle**, (2) **beagle** nose

His pet **beagle** sniffed at the ground, following the rabbit's trail.

## Jupiter

*n.* the fifth planet from the sun and the largest planet in the solar system, with a system of sixteen moons; the ancient Roman king of the gods, identified with the Greek god Zeus

(1) sub- **Jupiter** planet, (2) **Jupiter's** strong gravity

The Juno spacecraft is currently in orbit around **Jupiter**, studying the planet's atmosphere and magnetic field.

## evaporate

*v.* to turn a liquid into a gas; to become less intense and disappear gradually

*synonym*: vaporize, disappear, vanish

(1) **evaporate** the water, (2) **evaporate** almost overnight

The sun will **evaporate** the mist.

## disintegrate

*v.* break or cause to break into small fragments

*synonym*: shatter, crumble, break down

(1) **disintegrate** in an explosion, (2) **disintegrate** over time

The vase **disintegrated** into pieces when it fell to the ground.

## clockwork

*n.* a mechanism in which a series of gears, springs and other mechanical elements are used to power a device, especially a clock

*synonym* : mechanism, movement, gears

(1) run like **clockwork**, (2) **clockwork** precision

The **clockwork** mechanism in the grandfather clock needed to be wound up every week.

## menagerie

*n.* a collection of wild animals, especially exotic ones, kept for display

*synonym* : collection, assortment, group

(1) a large **menagerie**, (2) **menagerie** keeper

The circus had a **menagerie** of animals, including elephants, lions, and monkeys.

## corral

*n.* a pen or enclosure for livestock, especially cattle or horses; an area surrounded by a fence

*synonym* : pen, enclosure, yard

(1) **corral** fence, (2) enclose in a **corral**

The farmer used a high **corral** to keep the cattle from wandering off.

## 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.

## turmoil

*n.* a state of great disturbance, confusion, or uncertainty, often marked by intense activity or strong emotions

*synonym* : chaos, confusion, disorder

(1) political **turmoil**, (2) the **turmoil** of the war

The company experienced financial **turmoil** after the CEO was arrested.

## pebble

*n.* a small, smooth, rounded rock, especially one worn by the action of water

*synonym* : rock, stone, cobble

(1) drop a **pebble** into a pond, (2) **pebble** pathway  
She picked up a **pebble** from the beach and put it in her pocket as a souvenir.

## **boulder**

*n.* a large, smooth rock, typically one that has been worn away from a cliff or mountain by erosion

*synonym*: rock, stone, clump

(1) **boulder** field, (2) lava **boulder**

The hikers had to climb over a **boulder** that was blocking their path.

## **planetesimal**

*n.* a small celestial body, typically one a few kilometers in size, that orbits a star and is composed of rock and metal, and that is thought to be a building block of planets

*synonym*: protoplanet, planetismal, planetoid

(1) icy **planetesimal**, (2) **planetesimal** collision

The **planetesimal** theory suggests planets formed from the collision and aggregation of smaller bodies.

## **bombardment**

*n.* a continuous attack with bombs or other missiles

*synonym*: attack, shelling, strafing

(1) aerial **bombardment**, (2) **bombardment** raid

The city was subjected to heavy **bombardment** during the war.

## **biomarker**

*n.* a characteristic that is objectively measured and evaluated as an indicator of normal biological processes, pathogenic processes, or pharmacologic responses to a therapeutic intervention

*synonym*: indicator, measure, signature

(1) diabetes **biomarker**, (2) **biomarker** discovery

The **biomarker** test showed that the patient was responding well to the treatment.

## Session 2: Spelling

1. bom\_\_\_\_\_nt raid *n.* a continuous attack with bombs or other missiles
2. pla\_\_\_\_\_mal collision *n.* a small celestial body, typically one a few kilometers in size, that orbits a star and is composed of rock and metal, and that is thought to be a building block of planets
3. the tu\_\_\_\_\_l of the war *n.* a state of great disturbance, confusion, or uncertainty, often marked by intense activity or strong emotions
4. aerial bom\_\_\_\_\_nt *n.* a continuous attack with bombs or other missiles
5. cat\_\_\_\_\_ze the cause of failure *v.* to put people or things into groups according to their features, types, etc.
6. diabetes bi\_\_\_\_\_er *n.* a characteristic that is objectively measured and evaluated as an indicator of normal biological processes, pathogenic processes, or pharmacologic responses to a therapeutic intervention
7. Ju\_\_\_\_\_r's strong gravity *n.* the fifth planet from the sun and the largest planet in the solar system, with a system of sixteen moons; the ancient Roman king of the gods, identified with the Greek god Zeus
8. a pr\_\_\_\_s of recent advances in AI *v.* to make a summary of something, such as a text or speech; (noun) a short form of the main points of an argument or theory

ANSWERS: 1. bombardment, 2. planetesimal, 3. turmoil, 4. bombardment, 5. categorize, 6. biomarker, 7. Jupiter, 8. precis

9. be\_\_\_e nose *n.* a small dog with a smooth coat, long ears, and a strong sense of smell, used for hunting hares
10. legal be\_\_\_e *n.* a small dog with a smooth coat, long ears, and a strong sense of smell, used for hunting hares
11. political tu\_\_\_\_l *n.* a state of great disturbance, confusion, or uncertainty, often marked by intense activity or strong emotions
12. bi\_\_\_\_er discovery *n.* a characteristic that is objectively measured and evaluated as an indicator of normal biological processes, pathogenic processes, or pharmacologic responses to a therapeutic intervention
13. a large me\_\_\_\_ie *n.* a collection of wild animals, especially exotic ones, kept for display
14. di\_\_\_\_e bleeding *adj.* spread out widely; not concentrated in one place
15. lava bo\_\_\_\_r *n.* a large, smooth rock, typically one that has been worn away from a cliff or mountain by erosion
16. pe\_\_\_e pathway *n.* a small, smooth, rounded rock, especially one worn by the action of water
17. enclose in a co\_\_\_l *n.* a pen or enclosure for livestock, especially cattle or horses; an area surrounded by a fence
18. po\_\_\_r life's meaning *v.* to think deeply or carefully about something

ANSWERS: 9. beagle, 10. beagle, 11. turmoil, 12. biomarker, 13. menagerie, 14. diffuse, 15. boulder, 16. pebble, 17. corral, 18. ponder

- |                                   |      |  |
|-----------------------------------|------|--|
| 19. pr___s the contents of a book | v.   | to make a summary of something, such as a text or speech; (noun) a short form of the main points of an argument or theory  |
| 20. sub-Ju____r planet            | n.   | the fifth planet from the sun and the largest planet in the solar system, with a system of sixteen moons; the ancient Roman king of the gods, identified with the Greek god Zeus |
| 21. antibiotic-resistant g__m     | n.   | a very tiny living that causes the disease; a piece of something such as an organism, concept, etc., capable of growing into a new one or part of one                            |
| 22. a g__m-free environment       | n.   | a very tiny living that causes the disease; a piece of something such as an organism, concept, etc., capable of growing into a new one or part of one                            |
| 23. the closest ex____et to Earth | n.   | a planet that orbits a star outside of the solar system  |
| 24. drop a pe___e into a pond     | n.   | a small, smooth, rounded rock, especially one worn by the action of water  |
| 25. co___l fence                  | n.   | a pen or enclosure for livestock, especially cattle or horses; an area surrounded by a fence   |
| 26. ex____et mission              | n.   | a planet that orbits a star outside of the solar system  |
| 27. di____e cloud                 | adj. | spread out widely; not concentrated in one place   |

ANSWERS: 19. precis, 20. Jupiter, 21. germ, 22. germ, 23. exoplanet, 24. pebble, 25. corral, 26. exoplanet, 27. diffuse

28. me\_\_\_\_\_ie keeper *n.* a collection of wild animals, especially exotic ones, kept for display
29. icy pla\_\_\_\_\_mal *n.* a small celestial body, typically one a few kilometers in size, that orbits a star and is composed of rock and metal, and that is thought to be a building block of planets
30. bo\_\_\_\_\_r field *n.* a large, smooth rock, typically one that has been worn away from a cliff or mountain by erosion
31. ev\_\_\_\_\_te almost overnight *v.* to turn a liquid into a gas; to become less intense and disappear gradually
32. dis\_\_\_\_\_ate over time *v.* break or cause to break into small fragments
33. cl\_\_\_\_\_rk precision *n.* a mechanism in which a series of gears, springs and other mechanical elements are used to power a device, especially a clock
34. cat\_\_\_\_\_ze the image *v.* to put people or things into groups according to their features, types, etc.
35. run like cl\_\_\_\_\_rk *n.* a mechanism in which a series of gears, springs and other mechanical elements are used to power a device, especially a clock
36. ev\_\_\_\_\_te the water *v.* to turn a liquid into a gas; to become less intense and disappear gradually
37. po\_\_\_\_r divine matters *v.* to think deeply or carefully about something
38. dis\_\_\_\_\_ate in an explosion *v.* break or cause to break into small fragments

ANSWERS: 28. menagerie, 29. planetesimal, 30. boulder, 31. evaporate, 32. disintegrate, 33. clockwork, 34. categorize, 35. clockwork, 36. evaporate, 37. ponder, 38. disintegrate



ANSWERS:

## Session 3: Fill in the Blanks

1. The \_\_\_\_\_ Kepler-186f is located 500 light-years from Earth and is believed to be habitable.  
*n.* a planet that orbits a star outside of the solar system
2. She picked up a \_\_\_\_\_ from the beach and put it in her pocket as a souvenir.  
*n.* a small, smooth, rounded rock, especially one worn by the action of water
3. The vase \_\_\_\_\_ into pieces when it fell to the ground.  
*v.* break or cause to break into small fragments
4. The circus had a \_\_\_\_\_ of animals, including elephants, lions, and monkeys.  
*n.* a collection of wild animals, especially exotic ones, kept for display
5. The Juno spacecraft is currently in orbit around \_\_\_\_\_ studying the planet's atmosphere and magnetic field.  
*n.* the fifth planet from the sun and the largest planet in the solar system, with a system of sixteen moons; the ancient Roman king of the gods, identified with the Greek god Zeus
6. The biologist \_\_\_\_\_ the viruses into four groups.  
*v.* to put people or things into groups according to their features, types, etc.
7. Direct lighting is preferable to \_\_\_\_\_ lighting when reading.  
*adj.* spread out widely; not concentrated in one place
8. The hikers had to climb over a \_\_\_\_\_ that was blocking their path.  
*n.* a large, smooth rock, typically one that has been worn away from a cliff or mountain by erosion

ANSWERS: 1. exoplanet, 2. pebble, 3. disintegrated, 4. menagerie, 5. Jupiter, 6. categorized, 7. diffuse, 8. boulder

9. She sat quietly, \_\_\_\_\_ the difficult decision.  
*v.* to think deeply or carefully about something
10. The company experienced financial \_\_\_\_\_ after the CEO was arrested.  
*n.* a state of great disturbance, confusion, or uncertainty, often marked by intense activity or strong emotions
11. His pet \_\_\_\_\_ sniffed at the ground, following the rabbit's trail.  
*n.* a small dog with a smooth coat, long ears, and a strong sense of smell, used for hunting hares
12. The sun will \_\_\_\_\_ the mist.  
*v.* to turn a liquid into a gas; to become less intense and disappear gradually
13. He \_\_\_\_\_ this lengthy report in two pages.  
*v.* to make a summary of something, such as a text or speech; (noun) a short form of the main points of an argument or theory
14. The \_\_\_\_\_ of his idea came from watching birds flying in flocks.  
*n.* a very tiny living that causes the disease; a piece of something such as an organism, concept, etc., capable of growing into a new one or part of one
15. The \_\_\_\_\_ mechanism in the grandfather clock needed to be wound up every week.  
*n.* a mechanism in which a series of gears, springs and other mechanical elements are used to power a device, especially a clock
16. The \_\_\_\_\_ theory suggests planets formed from the collision and aggregation of smaller bodies.  
*n.* a small celestial body, typically one a few kilometers in size, that orbits a star and is composed of rock and metal, and that is thought to be a building block of planets

ANSWERS: 9. pondering, 10. turmoil, 11. beagle, 12. evaporate, 13. precis, 14. germ, 15. clockwork, 16. planetesimal

17. The city was subjected to heavy \_\_\_\_\_ during the war.

*n.* a continuous attack with bombs or other missiles

18. The \_\_\_\_\_ test showed that the patient was responding well to the treatment.

*n.* a characteristic that is objectively measured and evaluated as an indicator of normal biological processes, pathogenic processes, or pharmacologic responses to a therapeutic intervention

19. The farmer used a high \_\_\_\_\_ to keep the cattle from wandering off.

*n.* a pen or enclosure for livestock, especially cattle or horses; an area surrounded by a fence

ANSWERS: 17. bombardment, 18. biomarker, 19. corral