

# Englist.me



## Vocabulary Builder Reference from...

*Jeremy Kasdin: The flower-shaped starshade that might help us detect Earth-like planets | TED Talk*  
[https://www.ted.com/talks/jeremy\\_kasdin\\_the\\_flower\\_shaped\\_starshade\\_that\\_might\\_help\\_us\\_detect\\_earth\\_like\\_planets](https://www.ted.com/talks/jeremy_kasdin_the_flower_shaped_starshade_that_might_help_us_detect_earth_like_planets)

### Advanced Words Only

#### IMPORTANT

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## Session 1: Word List

### teem

*v.* to be abuzz; to move in large numbers; to fall heavily  
*synonym*: brim, swarm, overflow

(1) **teem** with activity, (2) **teem** down

The city **teems** with traffic on holiday.

### propulsion

*n.* the act or process of propelling or driving something forward, often using a motor, engine, or other mechanical means

*synonym*: propelling, driving, actuation

(1) **propulsion** technology, (2) nuclear **propulsion**

The spacecraft's **propulsion** system helped it travel through space.

### 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.

### speculate

*v.* to form a theory or conjecture or guess about a subject without solid evidence

*synonym*: assume, conjecture, infer

(1) **speculate** about the reason, (2) **speculate** on the

outcome

He **speculated** that this investment would lead to success.

## blur

*n.* a faint or indistinct image or sound; something that is not clear or distinct; (verb) to become unclear; to lose clear vision

*synonym*: smudge, smear, fuzz

(1) **blur** image, (2) motion **blur**

The camera's focus was off, and the image was a **blur** of colors and shapes.

## diffraction

*n.* the bending of waves, particularly light or sound waves, as they pass through a small opening or around an obstacle, causing interference or the separation of the waves into distinct bands or zones

*synonym*: bending, refraction, scattering

(1) X-ray **diffraction**, (2) **diffraction** grating

The **diffraction** pattern of the light passing through the prism was a beautiful rainbow of colors.

## scatter

*v.* to cause to separate and go in different directions

*synonym*: disperse, spread, bestrew

(1) **scatter** seeds, (2) **scatter** around the internet

The hunter's approach **scattered** the geese.

## corona

*n.* a crown-shaped structure, often referring to the outermost layer of the Sun's atmosphere; a family of viruses known as coronaviruses; a halo or aura around a celestial body; a circular pattern or shape

*synonym*: crown, halo, circle

(1) **corona** layer, (2) **corona** outbreak

The **corona** virus has caused a global pandemic.

## petal

*n.* one of the separate, usually colored, segments of a flower that produce its shape and are often found arranged in a circle around the reproductive parts

*synonym*: blossom, flower, bloom

(1) **petal** shape, (2) rose **petal**

The botany field is concerned with studying the structure of plant **petals**.

## **formidable**

*adj.* causing fear, apprehension, or awe; difficult to deal with or overcome; capable of inspiring respect or admiration

*synonym*: daunting, intimidating, fearful

(1) **formidable** challenge, (2) **formidable** competitor

The mountain range was a **formidable** obstacle for the hikers.

## **unfurl**

*v.* to spread out or open something, such as a flag, sail, or wings, by shaking, shaking out, or extending it; to reveal or become revealed or disclosed

*synonym*: unfold, expand, spread out

(1) **unfurl** my banner, (2) **unfurl** the sails

The flag slowly **unfurled** in the wind atop the flagpole.

## **intern**

*v.* to put someone in prison, especially for political or military reasons; (noun) a student or trainee who works, sometimes for free, to get work experience or to fulfill qualification criteria

*synonym*: apprentice, trainee, student

(1) **intern** civilians, (2) medical **intern**

The navy **interned** ships of defeated nations.

## **occult**

*adj.* relating to mysterious or supernatural phenomena or powers that are beyond normal human knowledge or understanding; hidden or concealed from view; beyond the realm of what can be seen or observed

*synonym*: hidden, mysterious, esoteric

(1) **occult** knowledge, (2) **occult** practices

She is interested in practicing **occult** rituals.

## **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.

## Session 2: Spelling

1. Jo\_\_\_n planet *adj.* relating to Jupiter or its characteristics
2. amateur ast\_\_\_\_\_er *n.* a physicist who studies astronomy
3. co\_\_\_a layer *n.* a crown-shaped structure, often referring to the outermost layer of the Sun's atmosphere; a family of viruses known as coronaviruses; a halo or aura around a celestial body; a circular pattern or shape
4. sp\_\_\_\_\_te about the reason *v.* to form a theory or conjecture or guess about a subject without solid evidence
5. for\_\_\_\_\_le competitor *adj.* causing fear, apprehension, or awe; difficult to deal with or overcome; capable of inspiring respect or admiration
6. in\_\_\_n civilians *v.* to put someone in prison, especially for political or military reasons; (noun) a student or trainee who works, sometimes for free, to get work experience or to fulfill qualification criteria
7. oc\_\_\_t knowledge *adj.* relating to mysterious or supernatural phenomena or powers that are beyond normal human knowledge or understanding; hidden or concealed from view; beyond the realm of what can be seen or observed

ANSWERS: 1. Jovian, 2. astronomer, 3. corona, 4. speculate, 5. formidable, 6. intern, 7. occult

8. for\_\_\_\_\_le challenge *adj.* causing fear, apprehension, or awe; difficult to deal with or overcome; capable of inspiring respect or admiration
9. pe\_\_l shape *n.* one of the separate, usually colored, segments of a flower that produce its shape and are often found arranged in a circle around the reproductive parts
10. un\_\_\_l my banner *v.* to spread out or open something, such as a flag, sail, or wings, by shaking, shaking out, or extending it; to reveal or become revealed or disclosed
11. solar ast\_\_\_\_\_er *n.* a physicist who studies astronomy
12. X-ray dif\_\_\_\_\_on *n.* the bending of waves, particularly light or sound waves, as they pass through a small opening or around an obstacle, causing interference or the separation of the waves into distinct bands or zones
13. b\_\_r image *n.* a faint or indistinct image or sound; something that is not clear or distinct; (verb) to become unclear; to lose clear vision
14. oc\_\_\_t practices *adj.* relating to mysterious or supernatural phenomena or powers that are beyond normal human knowledge or understanding; hidden or concealed from view; beyond the realm of what can be seen or observed
15. pro\_\_\_\_\_on technology *n.* the act or process of propelling or driving something forward, often using a motor, engine, or other mechanical means

ANSWERS: 8. formidable, 9. petal, 10. unfurl, 11. astronomer, 12. diffraction, 13. blur, 14. occult, 15. propulsion

16. motion b\_\_r *n.* a faint or indistinct image or sound; something that is not clear or distinct; (verb) to become unclear; to lose clear vision
17. nuclear pro\_\_\_\_\_on *n.* the act or process of propelling or driving something forward, often using a motor, engine, or other mechanical means
18. rose pe\_\_l *n.* one of the separate, usually colored, segments of a flower that produce its shape and are often found arranged in a circle around the reproductive parts
19. un\_\_\_l the sails *v.* to spread out or open something, such as a flag, sail, or wings, by shaking, shaking out, or extending it; to reveal or become revealed or disclosed
20. sc\_\_\_\_\_r seeds *v.* to cause to separate and go in different directions
21. Jo\_\_\_n satellites *adj.* relating to Jupiter or its characteristics
22. medical in\_\_\_n *v.* to put someone in prison, especially for political or military reasons; (noun) a student or trainee who works, sometimes for free, to get work experience or to fulfill qualification criteria
23. t\_\_m with activity *v.* to be abuzz; to move in large numbers; to fall heavily
24. co\_\_\_a outbreak *n.* a crown-shaped structure, often referring to the outermost layer of the Sun's atmosphere; a family of viruses known as coronaviruses; a halo or aura around a celestial body; a circular pattern or shape

ANSWERS: 16. blur, 17. propulsion, 18. petal, 19. unfurl, 20. scatter, 21. Jovian, 22. intern, 23. teem, 24. corona

25. sc\_\_\_\_r around the internet      *v.* to cause to separate and go in different directions
26. dif\_\_\_\_\_on grating      *n.* the bending of waves, particularly light or sound waves, as they pass through a small opening or around an obstacle, causing interference or the separation of the waves into distinct bands or zones
27. t\_\_m down      *v.* to be abuzz; to move in large numbers; to fall heavily
28. sp\_\_\_\_\_te on the outcome      *v.* to form a theory or conjecture or guess about a subject without solid evidence

ANSWERS: 25. scatter, 26. diffraction, 27. teem, 28. speculate



## Session 3: Fill in the Blanks

1. The navy \_\_\_\_\_ ships of defeated nations.
  - v.* to put someone in prison, especially for political or military reasons; (noun) a student or trainee who works, sometimes for free, to get work experience or to fulfill qualification criteria
  
2. The camera's focus was off, and the image was a \_\_\_\_\_ of colors and shapes.
  - n.* a faint or indistinct image or sound; something that is not clear or distinct; (verb) to become unclear; to lose clear vision
  
3. This question has fascinated solar \_\_\_\_\_ for decades.
  - n.* a physicist who studies astronomy
  
4. The mountain range was a \_\_\_\_\_ obstacle for the hikers.
  - adj.* causing fear, apprehension, or awe; difficult to deal with or overcome; capable of inspiring respect or admiration
  
5. The \_\_\_\_\_ moon Europa is believed to have an ocean beneath its icy surface.
  - adj.* relating to Jupiter or its characteristics
  
6. The spacecraft's \_\_\_\_\_ system helped it travel through space.
  - n.* the act or process of propelling or driving something forward, often using a motor, engine, or other mechanical means
  
7. The hunter's approach \_\_\_\_\_ the geese.
  - v.* to cause to separate and go in different directions
  
8. The city \_\_\_\_\_ with traffic on holiday.
  - v.* to be abuzz; to move in large numbers; to fall heavily

ANSWERS: 1. interned, 2. blur, 3. astronomers, 4. formidable, 5. Jovian, 6. propulsion, 7. scattered, 8. teems

9. He \_\_\_\_\_ that this investment would lead to success.

*v.* to form a theory or conjecture or guess about a subject without solid evidence

10. She is interested in practicing \_\_\_\_\_ rituals.

*adj.* relating to mysterious or supernatural phenomena or powers that are beyond normal human knowledge or understanding; hidden or concealed from view; beyond the realm of what can be seen or observed

11. The flag slowly \_\_\_\_\_ in the wind atop the flagpole.

*v.* to spread out or open something, such as a flag, sail, or wings, by shaking, shaking out, or extending it; to reveal or become revealed or disclosed

12. The \_\_\_\_\_ virus has caused a global pandemic.

*n.* a crown-shaped structure, often referring to the outermost layer of the Sun's atmosphere; a family of viruses known as coronaviruses; a halo or aura around a celestial body; a circular pattern or shape

13. The \_\_\_\_\_ pattern of the light passing through the prism was a beautiful rainbow of colors.

*n.* the bending of waves, particularly light or sound waves, as they pass through a small opening or around an obstacle, causing interference or the separation of the waves into distinct bands or zones

14. The botany field is concerned with studying the structure of plant \_\_\_\_\_.

*n.* one of the separate, usually colored, segments of a flower that produce its shape and are often found arranged in a circle around the reproductive parts

ANSWERS: 9. speculated, 10. occult, 11. unfurled, 12. corona, 13. diffraction, 14. petals