

# Englist.me



## Vocabulary Builder Reference from...

Josh Samani: What can Schrödinger's cat teach us about quantum mechanics? | TED Talk

[https://www.ted.com/talks/josh\\_samani\\_what\\_can\\_schrodinger\\_s\\_cat\\_teach\\_us\\_about\\_quantum\\_mechanics](https://www.ted.com/talks/josh_samani_what_can_schrodinger_s_cat_teach_us_about_quantum_mechanics)

### Advanced Words Only

#### IMPORTANT

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## Session 1: Word List

### macroscopic

*adj.* visible to the naked eye; relating to objects or phenomena that are large enough to be seen without the aid of a microscope or other magnifying tools

*synonym* : large, visible, apparent

(1) **macroscopic** observation, (2) **macroscopic** anatomy  
The **macroscopic** view of the galaxy is simply breathtaking.

### physicist

*n.* a scientist who specializes in the field of physics

(1) talented **physicist**, (2) theoretical **physicist**

Einstein was an outstanding and famous **physicist** of the 20th century.

### explode

*v.* to burst or break open violently and noisily; to cause something to burst or break open

*synonym* : detonate, blast, rupture

(1) **explode** in anger, (2) **explode** in popularity

The old building **exploded** in a fiery inferno.

### superposition

*n.* a principle in physics that describes the combination or overlaying of two or more waves or states of matter; (of geology) the process by which layers of rock or sediment are deposited on top of one another over time

*synonym* : overlay, overlap

(1) quantum **superposition**, (2) **superposition** theorem

The **superposition** of waves can result in either constructive or destructive interference.

## probabilistic

*adj.* characterized by the influence of chance or probability; involving the use of statistical models or methods to estimate likelihoods or risks

*synonym* : probable, statistical, likely

(1) **probabilistic** model, (2) **probabilistic** approach

In a **probabilistic** system, the outcome is uncertain and can vary based on chance.

## pinpoint

*v.* to locate or identify the exact position in space or time of something

*synonym* : name, direct, identify

(1) **pinpoint** the problem, (2) **pinpoint** signs of manipulation

This radar quickly **pinpoints** the position of the enemy.

## entanglement

*n.* involvement in a complicated or difficult situation; a tangled mass

*synonym* : snarl, tangle, knot

(1) **entanglement** in conflict, (2) romantic **entanglement**

The **entanglement** of the fishing net was making it difficult for the whales to swim.

## entangle

*v.* to become twisted or knotted together, especially in a way that makes it difficult to separate them; to involve in something complicated or difficult to escape

*synonym* : ensnare, entrap, involve

(1) **entangle** in wires, (2) emotionally **entangle**

The vines of the plant **entangled** themselves around the trellis.

## undetermined

*n.* not yet resolved or concluded; not decided; indefinite; lacking clear limits or boundaries; (of mathematics) cannot be calculated because it is dependent on

unknown factors

*synonym*: uncertain, undecided, unresolved

(1) fever of **undetermined** origin, (2) **undetermined** coefficient

The cause of the accident is **undetermined** at this time.

## conspire

*v.* to plan or plot together secretly, especially with an evil or unlawful purpose

*synonym*: plot, scheme, collude

(1) **conspire** his ruin, (2) **conspire** to corner the market

The group of friends **conspired** to pull a prank on their teacher.

## mumbo

*n.* a meaningless word or phrase used to distract, deceive or confuse someone; a type of African ceremonial mask

*synonym*: nonsense, gibberish, hocus-pocus

(1) **mumbo-jumbo** mystery, (2) science **mumbo** jumbo

The politician's speech was **mumbo** jumbo and needed to be clearer to the audience.

## jumbo

*n.* an extremely large or heavy object; an African elephant that was exhibited in a circus in the late 19th century and early 20th century and became widely known as "Jumbo"

*synonym*: elephantine, mammoth, giant

(1) **jumbo** jet, (2) **jumbo** shrimp

I need to buy a **jumbo-sized** bag of dog food for my large-breed puppy.

## cryptography

*n.* the study of the techniques and methods used for secure communication and information processing, particularly using codes and ciphers

*synonym*: coding, steganography, encryption

(1) asymmetric **cryptography**, (2) digital **cryptography**

The software engineers developed a new **cryptography** algorithm to protect users' data.

## teleport

v. to transport or transmit instantly from one location to another, typically using advanced technology or imagined supernatural powers

*synonym* : beam, transport, transmit

(1) **teleport** objects through space, (2) **teleport** to any location in the world

The magician seemed to **teleport** instantly from one side of the stage to the other.

## Session 2: Spelling

- |   |  |
|---|--|
| 1. co_____re his ruin                     | <i>v.</i> to plan or plot together secretly, especially with an evil or unlawful purpose   |
| 2. science mu__o jumbo                    | <i>n.</i> a meaningless word or phrase used to distract, deceive or confuse someone; a type of African ceremonial mask   |
| 3. quantum sup_____ion                    | <i>n.</i> a principle in physics that describes the combination or overlaying of two or more waves or states of matter; (of geology) the process by which layers of rock or sediment are deposited on top of one another over time |
| 4. talented ph_____st                     | <i>n.</i> a scientist who specializes in the field of physics  |
| 5. pi_____nt the problem                  | <i>v.</i> to locate or identify the exact position in space or time of something   |
| 6. te_____rt to any location in the world | <i>v.</i> to transport or transmit instantly from one location to another, typically using advanced technology or imagined supernatural powers   |
| 7. asymmetric cry_____phy                 | <i>n.</i> the study of the techniques and methods used for secure communication and information processing, particularly using codes and ciphers   |
| 8. mac_____ic anatomy                     | <i>adj.</i> visible to the naked eye; relating to objects or phenomena that are large enough to be seen without the aid of a microscope or other magnifying tools  |

ANSWERS: 1. conspire, 2. mumbo, 3. superposition, 4. physicist, 5. pinpoint, 6. teleport, 7. cryptography, 8. macroscopic

- |                                     |  |
|-------------------------------------|--|
| 9. theoretical ph_____st            | <i>n.</i> a scientist who specializes in the field of physics  |
| 10. en_____le in wires              | <i>v.</i> to become twisted or knotted together, especially in a way that makes it difficult to separate them; to involve in something complicated or difficult to escape  |
| 11. co_____re to corner the market  | <i>v.</i> to plan or plot together secretly, especially with an evil or unlawful purpose   |
| 12. pi_____nt signs of manipulation | <i>v.</i> to locate or identify the exact position in space or time of something   |
| 13. pro_____tic model               | <i>adj.</i> characterized by the influence of chance or probability; involving the use of statistical models or methods to estimate likelihoods or risks   |
| 14. ent_____ent in conflict         | <i>n.</i> involvement in a complicated or difficult situation; a tangled mass  |
| 15. ex_____e in popularity          | <i>v.</i> to burst or break open violently and noisily; to cause something to burst or break open  |
| 16. sup_____ion theorem             | <i>n.</i> a principle in physics that describes the combination or overlaying of two or more waves or states of matter; (of geology) the process by which layers of rock or sediment are deposited on top of one another over time |
| 17. digital cry_____phy             | <i>n.</i> the study of the techniques and methods used for secure communication and information processing, particularly using codes and ciphers   |

ANSWERS: 9. physicist, 10. entangle, 11. conspire, 12. pinpoint, 13. probabilistic, 14. entanglement, 15. explode, 16. superposition, 17. cryptography

18. und\_\_\_\_\_ned coefficient *n.* not yet resolved or concluded; not decided; indefinite; lacking clear limits or boundaries; (of mathematics) cannot be calculated because it is dependent on unknown factors
19. ju\_\_o shrimp *n.* an extremely large or heavy object; an African elephant that was exhibited in a circus in the late 19th century and early 20th century and became widely known as "Jumbo"
20. mu\_\_o-jumbo mystery *n.* a meaningless word or phrase used to distract, deceive or confuse someone; a type of African ceremonial mask
21. te\_\_\_\_\_rt objects through space *v.* to transport or transmit instantly from one location to another, typically using advanced technology or imagined supernatural powers
22. pro\_\_\_\_\_tic approach *adj.* characterized by the influence of chance or probability; involving the use of statistical models or methods to estimate likelihoods or risks
23. fever of und\_\_\_\_\_ned origin *n.* not yet resolved or concluded; not decided; indefinite; lacking clear limits or boundaries; (of mathematics) cannot be calculated because it is dependent on unknown factors
24. ju\_\_o jet *n.* an extremely large or heavy object; an African elephant that was exhibited in a circus in the late 19th century and early 20th century and became widely known as "Jumbo"

ANSWERS: 18. undetermined, 19. jumbo, 20. mumbo, 21. teleport, 22. probabilistic, 23. undetermined, 24. jumbo





## Session 3: Fill in the Blanks

1. In a \_\_\_\_\_ system, the outcome is uncertain and can vary based on chance.  
*adj.* characterized by the influence of chance or probability; involving the use of statistical models or methods to estimate likelihoods or risks
2. The magician seemed to \_\_\_\_\_ instantly from one side of the stage to the other.  
*v.* to transport or transmit instantly from one location to another, typically using advanced technology or imagined supernatural powers
3. The \_\_\_\_\_ of the fishing net was making it difficult for the whales to swim.  
*n.* involvement in a complicated or difficult situation; a tangled mass
4. The cause of the accident is \_\_\_\_\_ at this time.  
*n.* not yet resolved or concluded; not decided; indefinite; lacking clear limits or boundaries; (of mathematics) cannot be calculated because it is dependent on unknown factors
5. The group of friends \_\_\_\_\_ to pull a prank on their teacher.  
*v.* to plan or plot together secretly, especially with an evil or unlawful purpose
6. The \_\_\_\_\_ of waves can result in either constructive or destructive interference.  
*n.* a principle in physics that describes the combination or overlaying of two or more waves or states of matter; (of geology) the process by which layers of rock or sediment are deposited on top of one another over time

ANSWERS: 1. probabilistic, 2. teleport, 3. entanglement, 4. undetermined, 5. conspired, 6. superposition

7. Einstein was an outstanding and famous \_\_\_\_\_ of the 20th century.  
*n.* a scientist who specializes in the field of physics
8. The vines of the plant \_\_\_\_\_ themselves around the trellis.  
*v.* to become twisted or knotted together, especially in a way that makes it difficult to separate them; to involve in something complicated or difficult to escape
9. I need to buy a \_\_\_\_\_ bag of dog food for my large-breed puppy.  
*n.* an extremely large or heavy object; an African elephant that was exhibited in a circus in the late 19th century and early 20th century and became widely known as "Jumbo"
10. The \_\_\_\_\_ view of the galaxy is simply breathtaking.  
*adj.* visible to the naked eye; relating to objects or phenomena that are large enough to be seen without the aid of a microscope or other magnifying tools
11. The politician's speech was \_\_\_\_\_ jumbo and needed to be clearer to the audience.  
*n.* a meaningless word or phrase used to distract, deceive or confuse someone; a type of African ceremonial mask
12. The software engineers developed a new \_\_\_\_\_ algorithm to protect users' data.  
*n.* the study of the techniques and methods used for secure communication and information processing, particularly using codes and ciphers
13. The old building \_\_\_\_\_ in a fiery inferno.  
*v.* to burst or break open violently and noisily; to cause something to burst or break open

ANSWERS: 7. physicist, 8. entangled, 9. jumbo-sized, 10. macroscopic, 11. mumbo, 12. cryptography, 13. exploded

14. This radar quickly \_\_\_\_\_ the position of the enemy.

v. to locate or identify the exact position in space or time of something

ANSWERS: 14. pinpoints