

# Englist.me



## Vocabulary Builder Reference from...

*Dan Knights: How we study the microbes living in your gut | TED Talk*

[https://www.ted.com/talks/dan\\_knights\\_how\\_we\\_study\\_the\\_microbes\\_living\\_in\\_your\\_gut](https://www.ted.com/talks/dan_knights_how_we_study_the_microbes_living_in_your_gut)

### Advanced Words Only

#### IMPORTANT

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## Session 1: Word List

### 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.

### coli

*n.* a bacterium of the genus *Escherichia* that is commonly found in the human gut and is used as a model organism in molecular biology and biochemistry

(1) *E. coli* bacteria strain, (2) **coli** cells

The study of *Escherichia coli* has led to important advancements in areas such as antibiotic resistance, gut microbiome, and synthetic biology.

### outnumber

*v.* to be more numerous or greater in number than another group or entity; to exceed in quantity or number

*synonym* : surpass, exceed

(1) **outnumber** our opponents, (2) **outnumber** males

The number of tourists in the city now **outnumbers** the locals.

### microbiome

*n.* the community of microorganisms (= living things too small to be seen) that can usually be found living

together in any given environment or the human body

*synonym* : flora

(1) skin **microbiome**, (2) have a diverse **microbiome**

The gut **microbiome** is a major producer of serotonin, which is necessary for human mental stability.

## skyrocket

*v.* to rapidly ascend to a very high level; increase rapidly;

*synonym* : rocket, soar, shoot up

(1) **skyrocket** the cost, (2) price **skyrocketed**

Production has decreased, but costs and unemployment have **skyrocketed** dramatically.

## ulcer

*n.* a sore or erosion in the skin or mucous membrane, often caused by infection or inflammation; a persistent, painful cavity in the stomach or intestinal wall that can lead to digestive problems

*synonym* : lesion, sore, wound

(1) mouth **ulcer**, (2) gastric **ulcer**

The stress of the job caused him to develop an **ulcer** in his stomach.

## colitis

*n.* inflammation of the colon; a condition that results in diarrhea, abdominal pain, and cramping

*synonym* : colon infection, bowel disease

(1) acute **colitis**, (2) chronic **colitis**

Ulcerative **colitis** is an inflammatory bowel disease that can cause severe discomfort and requires long-term management.

## autoimmune

*adj.* relating to a condition in which the body's immune system attacks and destroys healthy body tissue, mistaking it for harmful foreign substances

(1) insulin **autoimmune** syndrome, (2) **autoimmune** disorder

The presence of certain substances triggered the **autoimmune** response.

## primate

*n.* any mammal of the order Primates, which includes monkeys, apes, and humans

*synonym* : ape, monkey, lemur

(1) **primate** species, (2) **primate** sanctuary

Many scientists study **primate** behavior and intelligence.

## doe

*n.* a mature female of mammals of which the male is called a buck, such as a deer or a rabbit

*synonym* : rabbit, bunny, hare

(1) **doe** rabbit, (2) buck and **doe**

Hunters use a whistle that makes the **doe** sound to lure stags.

## fingerprint

*n.* a unique pattern of ridges and valleys on the surface of a finger that can be used to identify a person

*synonym* : print, mark, impression

(1) **fingerprint** at a crime scene, (2) **fingerprint** identification

The police used a **fingerprint** scanner to identify the suspect.

## rainforest

*n.* a forest rich in biodiversity that is generally found in tropical settings with heavy annual rainfall

(1) **rainforest** destruction, (2) tropical **rainforest**

The destruction of the **rainforest** is a ticking time bomb for the Earth.

## gutsy

*adj.* displaying courage, determination, or boldness; characterized by a willingness to take risks or face challenges

*synonym* : courageous, brave, daring

(1) **gutsy** move, (2) **gutsy** performance

It was **gutsy** to quit her job and start her own business.

## captivity

*n.* the situation in which a person or animal is kept in prison or a space that they cannot escape from

*synonym* : confinement, detention, imprisonment

(1) escape from **captivity**, (2) animals in **captivity** in the

ZOO

Pandas rarely breed in **captivity**.

## enteritis

*n.* inflammation of the small intestine, often caused by infection, food poisoning, or other factors

*synonym* : colitis, enterocolitis

(1) bacterial **enteritis**, (2) viral **enteritis**

After consuming contaminated food, she developed **enteritis** and severe abdominal pain.

## bloat

*v.* to become swollen, distended, or inflated, especially in an unpleasant way; (noun) a condition in which the abdomen becomes swollen or distended with gas or fluid

*synonym* : swell, blow up, inflate

(1) **bloat** with pride, (2) **bloat** government spending

He noticed that the snack food bag was **bloating** near the top of the mountain.

## visualize

*v.* to form a mental image or concept of something; to make something visible

*synonym* : imagine, picture, envision

(1) **visualize** data, (2) **visualize** flying through space

She tried to **visualize** the layout of the new house in her mind.

## shank

*n.* the lower part of the leg, between the knee and ankle; a straight or curved part of a tool or utensil that is used to grip, hold, or apply pressure

*synonym* : leg, stem, shaft

(1) **shank** steak, (2) golf **shank**

The **shank** of the hammer broke while he was trying to dislodge a nail.

## converge

*v.* to move or draw together at a specific location; (of lines) to move towards the same point where they join or meet

*synonym* : congregate, assemble, concentrate

(1) **converge** of a series, (2) **converge** from different points  
The two rivers **converge** into one near this area.

## **divergent**

*adj.* different or becoming different from another or a standard; tending to move apart in different directions

*synonym*: differing, disparate, atypical

(1) follow a **divergent** path, (2) wildly **divergent** results  
The prime minister had to reconcile **divergent** opinions on controversial issues like abortion.

## **clinician**

*n.* a practitioner, especially of medicine or psychology, who has direct contact with patients

*synonym*: psychiatrist, therapist, doctor

(1) experienced **clinician**, (2) from a **clinician's** perspective  
Some **clinicians** believe that psychological characteristics alone may cause mental disorders.

## **obese**

*adj.* excessively overweight, particularly to the point of being a serious health risk; having a body mass index (BMI) of 30 or more

*synonym*: overweight, corpulent, plump

(1) **obese** individuals, (2) **obese** children  
The doctor warned him that his **obese** condition put him at risk for numerous health problems.

## **replenish**

*v.* to fill something that had previously been emptied

*synonym*: refill, reload, restock

(1) **replenish** a reserve fund, (2) **replenish** my spirit  
Please **replenish** my glass with some more wine.

## Session 2: Spelling

1. pr\_\_\_\_e sanctuary *n.* any mammal of the order Primates, which includes monkeys, apes, and humans
2. mouth ul\_\_r *n.* a sore or erosion in the skin or mucous membrane, often caused by infection or inflammation; a persistent, painful cavity in the stomach or intestinal wall that can lead to digestive problems
3. escape from ca\_\_\_\_\_ty *n.* the situation in which a person or animal is kept in prison or a space that they cannot escape from
4. c\_\_i cells *n.* a bacterium of the genus Escherichia that is commonly found in the human gut and is used as a model organism in molecular biology and biochemistry
5. bl\_\_t government spending *v.* to become swollen, distended, or inflated, especially in an unpleasant way; (noun) a condition in which the abdomen becomes swollen or distended with gas or fluid
6. from a cl\_\_\_\_\_an's perspective *n.* a practitioner, especially of medicine or psychology, who has direct contact with patients
7. bacterial en\_\_\_\_\_is *n.* inflammation of the small intestine, often caused by infection, food poisoning, or other factors
8. golf sh\_\_k *n.* the lower part of the leg, between the knee and ankle; a straight or curved part of a tool or utensil that is used to grip, hold, or apply pressure

ANSWERS: 1. primate, 2. ulcer, 3. captivity, 4. coli, 5. bloat, 6. clinician, 7. enteritis, 8. shank

9. have a diverse mic\_\_\_\_\_me      *n.* the community of microorganisms (= living things too small to be seen) that can usually be found living together in any given environment or the human body
10. vi\_\_\_\_\_ze data      *v.* to form a mental image or concept of something; to make something visible
11. aut\_\_\_\_\_ne disorder      *adj.* relating to a condition in which the body's immune system attacks and destroys healthy body tissue, mistaking it for harmful foreign substances
12. buck and d\_e      *n.* a mature female of mammals of which the male is called a buck, such as a deer or a rabbit
13. gu\_\_y performance      *adj.* displaying courage, determination, or boldness; characterized by a willingness to take risks or face challenges
14. fin\_\_\_\_\_nt at a crime scene      *n.* a unique pattern of ridges and valleys on the surface of a finger that can be used to identify a person
15. ou\_\_\_\_\_er males      *v.* to be more numerous or greater in number than another group or entity; to exceed in quantity or number
16. ob\_\_e children      *adj.* excessively overweight, particularly to the point of being a serious health risk; having a body mass index (BMI) of 30 or more
17. tropical rai\_\_\_\_\_st      *n.* a forest rich in biodiversity that is generally found in tropical settings with heavy annual rainfall

ANSWERS: 9. microbiome, 10. visualize, 11. autoimmune, 12. doe, 13. gutsy, 14. fingerprint, 15. outnumber, 16. obese, 17. rainforest

18. sk\_\_\_\_\_et the cost *v.* to rapidly ascend to a very high level; increase rapidly;
19. animals in ca\_\_\_\_\_ty in the zoo *n.* the situation in which a person or animal is kept in prison or a space that they cannot escape from
20. mi\_\_\_\_\_es sterilizer *n.* a tiny living thing that can only be seen with a microscope and that may cause disease
21. re\_\_\_\_\_sh a reserve fund *v.* to fill something that had previously been emptied
22. ou\_\_\_\_\_er our opponents *v.* to be more numerous or greater in number than another group or entity; to exceed in quantity or number
23. pr\_\_\_\_\_e species *n.* any mammal of the order Primates, which includes monkeys, apes, and humans
24. chronic co\_\_\_\_\_s *n.* inflammation of the colon; a condition that results in diarrhea, abdominal pain, and cramping
25. follow a di\_\_\_\_\_nt path *adj.* different or becoming different from another or a standard; tending to move apart in different directions
26. viral en\_\_\_\_\_is *n.* inflammation of the small intestine, often caused by infection, food poisoning, or other factors
27. co\_\_\_\_\_ge of a series *v.* to move or draw together at a specific location; (of lines) to move towards the same point where they join or meet
28. gu\_\_y move *adj.* displaying courage, determination, or boldness; characterized by a willingness to take risks or face challenges

ANSWERS: 18. skyrocket, 19. captivity, 20. microbe, 21. replenish, 22. outnumber, 23. primate, 24. colitis, 25. divergent, 26. enteritis, 27. converge, 28. gutsy



29. pathogenic mi\_\_\_\_e                      *n.* a tiny living thing that can only be seen with a microscope and that may cause disease
30. acute co\_\_\_\_s                              *n.* inflammation of the colon; a condition that results in diarrhea, abdominal pain, and cramping
31. bl\_\_t with pride                           *v.* to become swollen, distended, or inflated, especially in an unpleasant way; (noun) a condition in which the abdomen becomes swollen or distended with gas or fluid
32. re\_\_\_\_sh my spirit                        *v.* to fill something that had previously been emptied
33. co\_\_\_\_ge from different points        *v.* to move or draw together at a specific location; (of lines) to move towards the same point where they join or meet
34. fin\_\_\_\_nt identification                *n.* a unique pattern of ridges and valleys on the surface of a finger that can be used to identify a person
35. ob\_\_e individuals                        *adj.* excessively overweight, particularly to the point of being a serious health risk; having a body mass index (BMI) of 30 or more
36. experienced cl\_\_\_\_an                    *n.* a practitioner, especially of medicine or psychology, who has direct contact with patients
37. gastric ul\_\_r                              *n.* a sore or erosion in the skin or mucous membrane, often caused by infection or inflammation; a persistent, painful cavity in the stomach or intestinal wall that can lead to digestive problems

ANSWERS: 29. microbe, 30. colitis, 31. bloat, 32. replenish, 33. converge, 34. fingerprint, 35. obese, 36. clinician, 37. ulcer

38. E. c\_\_i bacteria strain      *n.* a bacterium of the genus Escherichia that is commonly found in the human gut and is used as a model organism in molecular biology and biochemistry
39. d\_e rabbit      *n.* a mature female of mammals of which the male is called a buck, such as a deer or a rabbit
40. price sk\_\_\_\_\_eted      *v.* to rapidly ascend to a very high level; increase rapidly;
41. rai\_\_\_\_\_st destruction      *n.* a forest rich in biodiversity that is generally found in tropical settings with heavy annual rainfall
42. insulin aut\_\_\_\_\_ne syndrome      *adj.* relating to a condition in which the body's immune system attacks and destroys healthy body tissue, mistaking it for harmful foreign substances
43. wildly di\_\_\_\_\_nt results      *adj.* different or becoming different from another or a standard; tending to move apart in different directions
44. sh\_\_k steak      *n.* the lower part of the leg, between the knee and ankle; a straight or curved part of a tool or utensil that is used to grip, hold, or apply pressure
45. vi\_\_\_\_\_ze flying through space      *v.* to form a mental image or concept of something; to make something visible
46. skin mic\_\_\_\_\_me      *n.* the community of microorganisms (= living things too small to be seen) that can usually be found living together in any given environment or the human body

ANSWERS: 38. coli, 39. doe, 40. skyrocket, 41. rainforest, 42. autoimmune, 43. divergent, 44. shank, 45. visualize, 46. microbiome

ANSWERS:

## Session 3: Fill in the Blanks

1. Some \_\_\_\_\_ believe that psychological characteristics alone may cause mental disorders.
  - n.* a practitioner, especially of medicine or psychology, who has direct contact with patients
  
2. Please \_\_\_\_\_ my glass with some more wine.
  - v.* to fill something that had previously been emptied
  
3. Pandas rarely breed in \_\_\_\_\_.
  - n.* the situation in which a person or animal is kept in prison or a space that they cannot escape from
  
4. The doctor warned him that his \_\_\_\_\_ condition put him at risk for numerous health problems.
  - adj.* excessively overweight, particularly to the point of being a serious health risk; having a body mass index (BMI) of 30 or more
  
5. He noticed that the snack food bag was \_\_\_\_\_ near the top of the mountain.
  - v.* to become swollen, distended, or inflated, especially in an unpleasant way; (noun) a condition in which the abdomen becomes swollen or distended with gas or fluid
  
6. The study of Escherichia \_\_\_\_\_ has led to important advancements in areas such as antibiotic resistance, gut microbiome, and synthetic biology.
  - n.* a bacterium of the genus Escherichia that is commonly found in the human gut and is used as a model organism in molecular biology and biochemistry
  
7. Ulcerative \_\_\_\_\_ is an inflammatory bowel disease that can cause severe discomfort and requires long-term management.
  - n.* inflammation of the colon; a condition that results in diarrhea, abdominal pain, and cramping

ANSWERS: 1. clinicians, 2. replenish, 3. captivity, 4. obese, 5. bloating, 6. coli, 7. colitis

8. The presence of certain substances triggered the \_\_\_\_\_ response.  
*adj.* relating to a condition in which the body's immune system attacks and destroys healthy body tissue, mistaking it for harmful foreign substances
9. Production has decreased, but costs and unemployment have \_\_\_\_\_ dramatically.  
*v.* to rapidly ascend to a very high level; increase rapidly;
10. It was \_\_\_\_\_ to quit her job and start her own business.  
*adj.* displaying courage, determination, or boldness; characterized by a willingness to take risks or face challenges
11. The destruction of the \_\_\_\_\_ is a ticking time bomb for the Earth.  
*n.* a forest rich in biodiversity that is generally found in tropical settings with heavy annual rainfall
12. Many scientists study \_\_\_\_\_ behavior and intelligence.  
*n.* any mammal of the order Primates, which includes monkeys, apes, and humans
13. The gut \_\_\_\_\_ is a major producer of serotonin, which is necessary for human mental stability.  
*n.* the community of microorganisms (= living things too small to be seen) that can usually be found living together in any given environment or the human body
14. The two rivers \_\_\_\_\_ into one near this area.  
*v.* to move or draw together at a specific location; (of lines) to move towards the same point where they join or meet
15. The number of tourists in the city now \_\_\_\_\_ the locals.  
*v.* to be more numerous or greater in number than another group or entity; to exceed in quantity or number

ANSWERS: 8. autoimmune, 9. skyrocketed, 10. gutsy, 11. rainforest, 12. primate, 13. microbiome, 14. converge, 15. outnumber

16. \_\_\_\_\_ 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
17. The \_\_\_\_\_ of the hammer broke while he was trying to dislodge a nail.  
*n.* the lower part of the leg, between the knee and ankle; a straight or curved part of a tool or utensil that is used to grip, hold, or apply pressure
18. After consuming contaminated food, she developed \_\_\_\_\_ and severe abdominal pain.  
*n.* inflammation of the small intestine, often caused by infection, food poisoning, or other factors
19. She tried to \_\_\_\_\_ the layout of the new house in her mind.  
*v.* to form a mental image or concept of something; to make something visible
20. Hunters use a whistle that makes the \_\_\_\_\_ sound to lure stags.  
*n.* a mature female of mammals of which the male is called a buck, such as a deer or a rabbit
21. The police used a \_\_\_\_\_ scanner to identify the suspect.  
*n.* a unique pattern of ridges and valleys on the surface of a finger that can be used to identify a person
22. The prime minister had to reconcile \_\_\_\_\_ opinions on controversial issues like abortion.  
*adj.* different or becoming different from another or a standard; tending to move apart in different directions
23. The stress of the job caused him to develop an \_\_\_\_\_ in his stomach.  
*n.* a sore or erosion in the skin or mucous membrane, often caused by infection or inflammation; a persistent, painful cavity in the stomach or intestinal wall that can lead to digestive problems

ANSWERS: 16. Microbes, 17. shank, 18. enteritis, 19. visualize, 20. doe, 21. fingerprint, 22. divergent, 23. ulcer

ANSWERS: