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## Vocabulary Builder Reference from...

*Jun Wang: How digital DNA could help you make better health choices | TED Talk*

[https://www.ted.com/talks/jun\\_wang\\_how\\_digital\\_dna\\_could\\_help\\_you\\_make\\_better\\_health\\_choices](https://www.ted.com/talks/jun_wang_how_digital_dna_could_help_you_make_better_health_choices)

### Advanced Words Only

#### IMPORTANT

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## Session 1: Word List

### puzzling

*adj.* confusing or difficult to understand; mysterious

*synonym*: baffling, confusing, enigmatic

(1) **puzzling** behavior, (2) **puzzling** questions

The detective found the clues **puzzling** and couldn't solve the case immediately.

### beetle

*n.* an insect having a hard shell-like back covering its wings

(1) **beetle** brows, (2) a **beetle** larva

In ancient civilizations, the scarab **beetle** was worshiped as a sacred creature.

### ancestor

*n.* a person from whom one is descended; a forefather

*synonym*: forebear, forefather, progenitor

(1) **ancestor** language, (2) earliest human **ancestor**

My remote **ancestor** immigrated to the United States from Ireland in the 1800s.

### fascinate

*v.* to attract and hold the attention of someone deeply and irresistibly

*synonym*: captivate, intrigue, mesmerize

(1) **fascinate** the public, (2) **fascinate** the young

The magic tricks **fascinated** the children.

## cofounder

*n.* one of several people who establishes an organization or starts a business

(1) **cofounder** of the university, (2) late **cofounder**

He is the **cofounder** and chairman of this tech company.

## haplotype

*n.* a specific combination of genetic variations or alleles that are inherited together on the same chromosome from a single parent, which is used to analyze genetic patterns and understand the inheritance of specific traits or diseases

*synonym* : allele, gene, genetic variant

(1) specific **haplotype**, (2) genetic **haplotype**

The **haplotype** analysis provided valuable insights into the evolutionary history of the species.

## monogenetic

*adj.* relating to or caused by a single gene; referring to traits or characteristics determined by a single genetic factor

*synonym* : single-gene, genetically determined, hereditary

(1) rare **monogenetic** disorder, (2) inherited **monogenetic** trait

The researchers discovered a **monogenetic** mutation responsible for the rare developmental disorder.

## medicinal

*adj.* of or relating to the treatment or cure of disease

*synonym* : curative, therapeutic, healing

(1) **medicinal** chemistry, (2) traditional **medicinal**

The **medicinal** properties of this herb have been known to help with various ailments.

## 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.

## afterward

*adv.* after the time mentioned

*synonym* : later, thereafter, following

(1) a few years **afterward**, (2) go there **afterward**

We will explain the countermeasure concerning this problem **afterward**.

## gout

*n.* a form of arthritis characterized by sudden and severe pain, tenderness, and inflammation in the joints, particularly in the big toe, caused by an accumulation of uric acid in the blood

*synonym* : arthritis, rheumatism, joint pain

(1) **gout** treatment, (2) **gout** arthritis

The rich food and drink were delicious but gave him painful **gout** in his toes.

## burdock

*n.* a plant of the daisy family, with broad, prickly leaves and purple flower heads, typically found in waste ground and often cultivated for its edible root or medicinal purposes

*synonym* : cocklebur, clotbur

(1) **burdock** root, (2) **burdock** tea

I plucked some **burdock** leaves from my garden to brew into a medicinal tea.

## pronounce

*v.* to say or speak (a word or words) correctly or in a particular way

*synonym* : articulate, enunciate, voice

(1) **pronounce** a judgment, (2) **pronounce** a name

She struggled to **pronounce** the word in a foreign language.

## jetlag

*n.* a feeling of fatigue, disorientation, and other symptoms experienced by a person after traveling across different time zones, typically by air travel

(1) **jetlag** symptoms, (2) experience **jetlag**

After traveling across multiple time zones, I experienced severe **jetlag** and couldn't sleep at night.

## metformin

*n.* a prescription medication commonly used to treat type 2 diabetes by helping to control blood sugar levels, which belongs to the class of drugs called biguanides

(1) **metformin** treatment, (2) **metformin** side effects

The doctor recommended starting a daily **metformin** dose to help control blood sugar levels.

## rehearsal

*n.* a practice session, usually for a performance or presentation, during which people prepare and fine-tune their performance, often with the help of feedback from others; the act of rehearsing

*synonym*: practice, run-through, drill

(1) dress **rehearsal**, (2) music **rehearsal**

The theater company had its final **rehearsal** before opening night.

## feces

*n.* waste matter eliminated from the bowels; excrement

*synonym*: poop, stool, excrement

(1) **feces** sample, (2) human **feces**

Proper disposal of **feces** is essential for maintaining public health and sanitation.

## disseminate

*v.* to spread or distribute widely, especially information or ideas; to scatter or disperse

*synonym*: spread, circulate, propagate

(1) **disseminate** propaganda, (2) **disseminate** knowledge

It is important to **disseminate** accurate information to the public to prevent false rumors from spreading.

## urgently

*adv.* in a way that requires immediate action or attention, especially before anything else, because of being very important

*synonym*: promptly, immediately, swiftly

(1) tackle the problem **urgently**, (2) **urgently** required

I need to send this email **urgently**.

## Session 2: Spelling

1. human fe\_\_s *n.* waste matter eliminated from the bowels; excrement
2. genetic ha\_\_\_\_\_pe *n.* a specific combination of genetic variations or alleles that are inherited together on the same chromosome from a single parent, which is used to analyze genetic patterns and understand the inheritance of specific traits or diseases
3. pr\_\_\_\_\_ce a name *v.* to say or speak (a word or words) correctly or in a particular way
4. a be\_\_\_e larva *n.* an insect having a hard shell-like back covering its wings
5. tackle the problem ur\_\_\_\_\_ly *adv.* in a way that requires immediate action or attention, especially before anything else, because of being very important
6. earliest human an\_\_\_\_\_or *n.* a person from whom one is descended; a forefather
7. inherited mon\_\_\_\_\_ic trait *adj.* relating to or caused by a single gene; referring to traits or characteristics determined by a single genetic factor
8. pr\_\_\_\_\_ce a judgment *v.* to say or speak (a word or words) correctly or in a particular way
9. me\_\_\_\_\_in side effects *n.* a prescription medication commonly used to treat type 2 diabetes by helping to control blood sugar levels, which belongs to the class of drugs called biguanides

ANSWERS: 1. feces, 2. haplotype, 3. pronounce, 4. beetle, 5. urgently, 6. ancestor, 7. monogenetic, 8. pronounce, 9. metformin

10. music re\_\_\_\_\_al                      *n.* a practice session, usually for a performance or presentation, during which people prepare and fine-tune their performance, often with the help of feedback from others; the act of rehearsing
11. experience je\_\_\_\_g                      *n.* a feeling of fatigue, disorientation, and other symptoms experienced by a person after traveling across different time zones, typically by air travel
12. 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
13. fa\_\_\_\_\_te the young                      *v.* to attract and hold the attention of someone deeply and irresistibly
14. specific ha\_\_\_\_\_pe                      *n.* a specific combination of genetic variations or alleles that are inherited together on the same chromosome from a single parent, which is used to analyze genetic patterns and understand the inheritance of specific traits or diseases
15. g\_\_t arthritis                      *n.* a form of arthritis characterized by sudden and severe pain, tenderness, and inflammation in the joints, particularly in the big toe, caused by an accumulation of uric acid in the blood
16. ur\_\_\_\_\_ly required                      *adv.* in a way that requires immediate action or attention, especially before anything else, because of being very important

ANSWERS: 10. rehearsal, 11. jetlag, 12. obese, 13. fascinate, 14. haplotype, 15. gout, 16. urgently

17. dress re\_\_\_\_\_al *n.* a practice session, usually for a performance or presentation, during which people prepare and fine-tune their performance, often with the help of feedback from others; the act of rehearsing
18. dis\_\_\_\_\_te propaganda *v.* to spread or distribute widely, especially information or ideas; to scatter or disperse
19. traditional me\_\_\_\_\_al *adj.* of or relating to the treatment or cure of disease
20. an\_\_\_\_\_or language *n.* a person from whom one is descended; a forefather
21. go there af\_\_\_\_\_rd *adv.* after the time mentioned
22. pu\_\_\_\_\_ng questions *adj.* confusing or difficult to understand; mysterious
23. me\_\_\_\_\_al chemistry *adj.* of or relating to the treatment or cure of disease
24. me\_\_\_\_\_in treatment *n.* a prescription medication commonly used to treat type 2 diabetes by helping to control blood sugar levels, which belongs to the class of drugs called biguanides
25. fe\_\_s sample *n.* waste matter eliminated from the bowels; excrement
26. dis\_\_\_\_\_te knowledge *v.* to spread or distribute widely, especially information or ideas; to scatter or disperse
27. fa\_\_\_\_\_te the public *v.* to attract and hold the attention of someone deeply and irresistibly

ANSWERS: 17. rehearsal, 18. disseminate, 19. medicinal, 20. ancestor, 21. afterward, 22. puzzling, 23. medicinal, 24. metformin, 25. feces, 26. disseminate, 27. fascinate

28. g\_\_t treatment *n.* a form of arthritis characterized by sudden and severe pain, tenderness, and inflammation in the joints, particularly in the big toe, caused by an accumulation of uric acid in the blood
29. je\_\_\_g symptoms *n.* a feeling of fatigue, disorientation, and other symptoms experienced by a person after traveling across different time zones, typically by air travel
30. bu\_\_\_\_\_k tea *n.* a plant of the daisy family, with broad, prickly leaves and purple flower heads, typically found in waste ground and often cultivated for its edible root or medicinal purposes
31. a few years af\_\_\_\_\_rd *adv.* after the time mentioned
32. late co\_\_\_\_\_er *n.* one of several people who establishes an organization or starts a business
33. pu\_\_\_\_\_ng behavior *adj.* confusing or difficult to understand; mysterious
34. be\_\_\_e brows *n.* an insect having a hard shell-like back covering its wings
35. co\_\_\_\_\_er of the university *n.* one of several people who establishes an organization or starts a business
36. rare mon\_\_\_\_\_ic disorder *adj.* relating to or caused by a single gene; referring to traits or characteristics determined by a single genetic factor
37. 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

ANSWERS: 28. gout, 29. jetlag, 30. burdock, 31. afterward, 32. cofounder, 33. puzzling, 34. beetle, 35. cofounder, 36. monogenetic, 37. obese



38. bu\_\_\_\_k root

*n.* a plant of the daisy family, with broad, prickly leaves and purple flower heads, typically found in waste ground and often cultivated for its edible root or medicinal purposes

ANSWERS: 38. burdock

## Session 3: Fill in the Blanks

1. The \_\_\_\_\_ properties of this herb have been known to help with various ailments.  
*adj.* of or relating to the treatment or cure of disease
2. My remote \_\_\_\_\_ immigrated to the United States from Ireland in the 1800s.  
*n.* a person from whom one is descended; a forefather
3. The magic tricks \_\_\_\_\_ the children.  
*v.* to attract and hold the attention of someone deeply and irresistibly
4. The \_\_\_\_\_ analysis provided valuable insights into the evolutionary history of the species.  
*n.* a specific combination of genetic variations or alleles that are inherited together on the same chromosome from a single parent, which is used to analyze genetic patterns and understand the inheritance of specific traits or diseases
5. We will explain the countermeasure concerning this problem \_\_\_\_\_.  
*adv.* after the time mentioned
6. I need to send this email \_\_\_\_\_.  
*adv.* in a way that requires immediate action or attention, especially before anything else, because of being very important
7. In ancient civilizations, the scarab \_\_\_\_\_ was worshiped as a sacred creature.  
*n.* an insect having a hard shell-like back covering its wings
8. After traveling across multiple time zones, I experienced severe \_\_\_\_\_ and couldn't sleep at night.  
*n.* a feeling of fatigue, disorientation, and other symptoms experienced by a person after traveling across different time zones, typically by air travel

ANSWERS: 1. medicinal, 2. ancestor, 3. fascinated, 4. haplotype, 5. afterward, 6. urgently, 7. beetle, 8. jetlag

9. 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
10. Proper disposal of \_\_\_\_\_ is essential for maintaining public health and sanitation.  
*n.* waste matter eliminated from the bowels; excrement
11. He is the \_\_\_\_\_ and chairman of this tech company.  
*n.* one of several people who establishes an organization or starts a business
12. The detective found the clues \_\_\_\_\_ and couldn't solve the case immediately.  
*adj.* confusing or difficult to understand; mysterious
13. She struggled to \_\_\_\_\_ the word in a foreign language.  
*v.* to say or speak (a word or words) correctly or in a particular way
14. The theater company had its final \_\_\_\_\_ before opening night.  
*n.* a practice session, usually for a performance or presentation, during which people prepare and fine-tune their performance, often with the help of feedback from others; the act of rehearsing
15. The doctor recommended starting a daily \_\_\_\_\_ dose to help control blood sugar levels.  
*n.* a prescription medication commonly used to treat type 2 diabetes by helping to control blood sugar levels, which belongs to the class of drugs called biguanides

ANSWERS: 9. obese, 10. feces, 11. cofounder, 12. puzzling, 13. pronounce, 14. rehearsal, 15. metformin

16. It is important to \_\_\_\_\_ accurate information to the public to prevent false rumors from spreading.
- v.* to spread or distribute widely, especially information or ideas; to scatter or disperse
17. The rich food and drink were delicious but gave him painful \_\_\_\_\_ in his toes.
- n.* a form of arthritis characterized by sudden and severe pain, tenderness, and inflammation in the joints, particularly in the big toe, caused by an accumulation of uric acid in the blood
18. I plucked some \_\_\_\_\_ leaves from my garden to brew into a medicinal tea.
- n.* a plant of the daisy family, with broad, prickly leaves and purple flower heads, typically found in waste ground and often cultivated for its edible root or medicinal purposes
19. The researchers discovered a \_\_\_\_\_ mutation responsible for the rare developmental disorder.
- adj.* relating to or caused by a single gene; referring to traits or characteristics determined by a single genetic factor

ANSWERS: 16. disseminate, 17. gout, 18. burdock, 19. monogenetic