

# Englist.me



## Vocabulary Builder Reference from...

Richard Resnick: Welcome to the genomic revolution  
| TED Talk

[https://www.ted.com/talks/richard\\_resnick\\_welcome\\_to\\_the\\_genomic\\_revolution](https://www.ted.com/talks/richard_resnick_welcome_to_the_genomic_revolution)

### Advanced Words Only

#### IMPORTANT

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## Session 1: Word List

### helix

*n.* a three-dimensional spiral shape or structure, particularly like that of a spring or a DNA molecule

*synonym*: coil, spiral, twist

(1) **helix** structure, (2) alpha **helix**

The DNA molecule is shaped like a double **helix**.

### biochemical

*adj.* relating to the chemical processes and substances that occur within living organisms

*synonym*: molecular, biological

(1) **biochemical** reaction, (2) complex **biochemical**

**Biochemical** research is essential to understanding the complex chemical reactions in living organisms.

### 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.

### quadruple

*v.* to consist of four items or people; to become four times as great or many

(1) **quadruple** the amount, (2) **quadruple** the price of gold

His stock earnings **quadrupled**.

## foresee

*v.* to perceive or predict; to anticipate or expect something to happen in the future

*synonym*: predict, anticipate, forecast

(1) **foresee** the consequences, (2) **foresee** challenges  
I **foresee** a problem arising if we don't address this issue now.

## 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.

## ovary

*n.* either of the pair of organs in the female reproductive system that produces eggs; (of a plant) the organ that bears the ovules of a flower

(1) **ovary** atrophy, (2) salted **ovary** of walleye pollack

They found **ovary** cancer in an early stage.

## myeloid

*adj.* relating to or arising from bone marrow; pertaining to certain types of white blood cells, such as granulocytes and monocytes, which are formed in the bone marrow

*synonym*: marrow, hematopoietic, granulocytic

(1) **myeloid** leukemia, (2) **myeloid** sarcoma

The **myeloid** cells in the bone marrow are responsible for producing red and white blood cells.

## bloodletting

*n.* the act of intentionally cutting a person's skin or vein to remove blood once thought to cure various illnesses; indiscriminate slaughter

*synonym*: bleeding, phlebotomy, blood donation

(1) **bloodletting** device, (2) ethnic **bloodletting**

The doctor used leeches for **bloodletting**, as they were thought to be more effective than cutting the skin.

## postmortem

*adj.* relating to or occurring after death; a postmortem examination is a medical examination of a body after death to determine the cause of death or to study the effects of a disease or medical treatment

*synonym* : autopsied, deceased, dead

(1) **postmortem** findings, (2) **postmortem** analysis

The medical examiner performed a **postmortem** examination to determine the cause of death.

## deleterious

*adj.* causing harm, damage, or injury; having a detrimental or destructive effect

*synonym* : harmful, damaging, detrimental

(1) **deleterious** actions, (2) **deleterious** impact

Smoking has **deleterious** effects on your health, especially your lungs.

## palsy

*n.* a condition characterized by the loss or impairment of movement or sensation due to damage or disease affecting the nervous system; paralysis or weakness

*synonym* : paralysis, tremor, twitch

(1) muscle **palsy**, (2) cerebral **palsy**

Some people with Parkinson's disease may experience tremors and **palsy** in their limbs.

## heroic

*adj.* courageous and daring; having or displaying qualities appropriate for legendary figures that is courage and daring

*synonym* : brave, courageous, daring

(1) a **heroic** poem, (2) **heroic** explorers

The **heroic** actions of individuals are now easily spread worldwide by SNS.

## dystonia

*n.* a neurological disorder characterized by involuntary muscle contractions that cause twisting, repetitive movements, or abnormal postures

*synonym* : dystrophy, abnormality, disorder

(1) **dystonia** symptoms, (2) hereditary **dystonia**

Her diagnosis of cervical **dystonia** explained her neck's unusual tilting and turning.

### asymptomatic

*adj.* not experiencing or exhibiting any symptoms of a particular disease or condition, even though the individual may be infected or affected by it

*synonym* : asymptotic, symptomless, unnoticeable

(1) **asymptomatic** carrier, (2) **asymptomatic** infection

The study showed that one-third of infected individuals could remain **asymptomatic** throughout the disease.

### signify

*v.* to indicate, represent, or communicate something, especially an idea or concept, often through a symbol, gesture, or word

*synonym* : indicate, express, convey

(1) **signify** importance, (2) actions that **signify** agreement

The red lights on the dashboard **signify** that the car needs maintenance.

### serotonin

*n.* a neurotransmitter (= a chemical that carries nerve impulses) involved in, e.g., sleep, emotion, and memory

(1) **serotonin** drug, (2) **serotonin** levels

The medicine works by boosting **serotonin** levels in the brain.

### distend

*v.* to expand, inflate, or stretch out in all directions, especially as a result of internal pressure or force; to swell or bulge out of shape

*synonym* : swell, inflate, puff up

(1) **distend** the veins, (2) **distend** balloon

Eating too much can **distend** your stomach and cause discomfort.

### famine

*n.* a severe shortage of food, often caused by drought, war, or economic reasons

*synonym* : hunger, starvation, drought

(1) **famine** relief, (2) coal **famine**

The severe **famine** caused by the drought has left many people without food.

## intestine

*n.* a long, tube-like organ in the digestive system that is responsible for absorbing nutrients from food and eliminating waste products

*synonym*: gut, bowel, tract

(1) large **intestine**, (2) **intestine** wall

The small **intestine** is responsible for absorbing most of the nutrients from food.

## 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.

## pediatrics

*n.* the branch of medicine that deals with the care and treatment of children

*synonym*: pedology, child health

(1) **pediatrics** department, (2) **pediatrics** clinic

I am studying **pediatrics** in medical school because I love working with children.

## grueling

*adj.* extremely tiring or demanding great effort, especially with long duration or intensity

*synonym*: exhausting, draining, demanding

(1) **grueling** process, (2) a **grueling** campaign

The marathon was a **grueling** test of endurance.

## footprint

*n.* a mark of a foot, shoe, or animal's foot left on a surface

*synonym*: footmark, imprint, impression

(1) **footprints** in the snow, (2) the **footprints** of an earlier civilization

We choose transportation that has a smaller carbon **footprint**.

## soybean

*n.* a legume crop widely cultivated for its nutritious seeds, often ground into meal or pressed into oil for food products, with other uses including animal feed, fuel, and industrial applications

*synonym*: soya, edamame

(1) **soybean** oil, (2) **soybean** production

The farmer harvested his **soybean** crop and took it to market.

## typewriter

*n.* a mechanical device used for writing, consisting of type keys that, when pressed, imprint ink onto paper or other writing material, mainly used before modern computers, printers, and word processors took over

(1) **typewriter** keys, (2) electronic **typewriter**

I found an old **typewriter** at a thrift store and used it to write my novel.

## staple

*adj.* essential, crucial, or regularly used

*synonym*: essential, fundamental, pivotal

(1) **staple** commodities, (2) **staple** crop

Rice and beans are a **staple** food in many cultures.

## disrupt

*v.* to prevent or stop something, especially an event, activity, or process, from continuing in the usual way by causing a problem or disturbance

*synonym*: interrupt, disturb, break into

(1) **disrupt** a well-ordered condition, (2) **disrupt** sleep

I'm so sorry to **disrupt** you when you're pretty busy.

## dotcom

*n.* a company or business that primarily operates on the Internet or has a web-based presence, particularly during the late 1990s and early 2000s when the Internet was a new and rapidly growing industry

*synonym*: website, online business, e-commerce

(1) successful **dotcom**, (2) **dotcom** millionaire

The **dotcom** boom of the late 1990s changed the landscape of the tech industry forever.

## flourish

*v.* to grow or develop vigorously or successfully  
*synonym* : boom, advance, succeed

(1) **flourish** economically, (2) **flourish** worldwide

The Ottoman Empire **flourished** for over five centuries.

## smartphone

*n.* a mobile phone that functions as a computer and connects to the Internet

(1) **smartphone** app developer, (2) **smartphone** addict

Internet traffic volumes have increased significantly with the advent of **smartphones**.

## app

*n.* (abbreviation for application) software designed to run on smartphones and other mobile devices or inside a web browser on a PC

*synonym* : application, software

(1) killer **app**, (2) cannot log in to the **app**

The discovery of a critical bug caused the company to delay the **app's** release.

## personalize

*v.* to make something or an experience specific to an individual or group, often through adding personal details or tailoring it to their preferences or needs; to add personal details or information to something

*synonym* : customize, individualize, tailor

(1) **personalize** social media profile, (2) **personalize** my workspace

I like to **personalize** my phone case with a picture of my dog.

## allele

*n.* any of the alternative forms of a gene that can occupy a given chromosomal location

*synonym* : gene variant, genetic variant

(1) the **allele** in a pair, (2) inherit one **allele**

Environmental factors can also influence the expression of **alleles**, a phenomenon known as epigenetics.

## swab

*n.* a small piece of soft material used by a doctor, nurse, etc., for cleaning a cut or taking a sample from

somebody's body for testing; (verb) apply, usually a liquid, to a surface

*synonym*: mop, scrub, daub

(1) alcohol **swab**, (2) cotton **swab**

He took a **swab** of his ear.

## cardiomyopathy

*n.* a disease of the heart muscle that often leads to heart failure, irregular heartbeats, and other serious cardiovascular issues

*synonym*: heart disease, heart failure

(1) **cardiomyopathy** with arrhythmia, (2) idiopathic **cardiomyopathy**

The doctor diagnosed the patient with hypertrophic **cardiomyopathy**.

## viola

*n.* a stringed instrument of the violin family, slightly larger than a violin and tuned a fifth lower

*synonym*: alto violin, viola da gamba, viola d'amore

(1) **viola** section, (2) pick up a **viola**

She had been playing the **viola** for over a decade.

## wield

*v.* to possess and exercise power, authority, etc

*synonym*: exert, manage, handle

(1) **wield** her authority, (2) **wield** a bad influence

They **wielded** enormous power and influence.



## Session 2: Spelling

- |  |      |  |
|--|------|--|
| 1. qu_____le the price of gold               | v.   | to consist of four items or people; to become four times as great or many  |
| 2. so_____n oil                              | n.   | a legume crop widely cultivated for its nutritious seeds, often ground into meal or pressed into oil for food products, with other uses including animal feed, fuel, and industrial applications |
| 3. gr_____ng process                         | adj. | extremely tiring or demanding great effort, especially with long duration or intensity   |
| 4. cannot log in to the a_p                  | n.   | (abbreviation for application) software designed to run on smartphones and other mobile devices or inside a web browser on a PC  |
| 5. ped_____cs department                     | n.   | the branch of medicine that deals with the care and treatment of children  |
| 6. the fo_____nts of an earlier civilization | n.   | a mark of a foot, shoe, or animal's foot left on a surface   |
| 7. st___e crop                               | adj. | essential, crucial, or regularly used  |
| 8. di_____t a well-ordered condition         | v.   | to prevent or stop something, especially an event, activity, or process, from continuing in the usual way by causing a problem or disturbance  |
| 9. di_____t sleep                            | v.   | to prevent or stop something, especially an event, activity, or process, from continuing in the usual way by causing a problem or disturbance  |

ANSWERS: 1. quadruple, 2. soybean, 3. grueling, 4. app, 5. pediatrics, 6. footprint, 7. staple, 8. disrupt, 9. disrupt

10. complex bio\_\_\_\_\_al *adj.* relating to the chemical processes and substances that occur within living organisms
11. st\_\_\_e commodities *adj.* essential, crucial, or regularly used
12. alcohol s\_\_b *n.* a small piece of soft material used by a doctor, nurse, etc., for cleaning a cut or taking a sample from somebody's body for testing; (verb) apply, usually a liquid, to a surface
13. in\_\_\_\_\_ne wall *n.* a long, tube-like organ in the digestive system that is responsible for absorbing nutrients from food and eliminating waste products
14. cerebral pa\_\_y *n.* a condition characterized by the loss or impairment of movement or sensation due to damage or disease affecting the nervous system; paralysis or weakness
15. fa\_\_\_e relief *n.* a severe shortage of food, often caused by drought, war, or economic reasons
16. asy\_\_\_\_\_tic infection *adj.* not experiencing or exhibiting any symptoms of a particular disease or condition, even though the individual may be infected or affected by it
17. dy\_\_\_\_\_ia symptoms *n.* a neurological disorder characterized by involuntary muscle contractions that cause twisting, repetitive movements, or abnormal postures
18. idiopathic car\_\_\_\_\_thy *n.* a disease of the heart muscle that often leads to heart failure, irregular heartbeats, and other serious cardiovascular issues

ANSWERS: 10. biochemical, 11. staple, 12. swab, 13. intestine, 14. palsy, 15. famine, 16. asymptomatic, 17. dystonia, 18. cardiomyopathy

19. coal fa\_\_\_e *n.* a severe shortage of food, often caused by drought, war, or economic reasons
20. car\_\_\_\_\_thy with arrhythmia *n.* a disease of the heart muscle that often leads to heart failure, irregular heartbeats, and other serious cardiovascular issues
21. blo\_\_\_\_\_ing device *n.* the act of intentionally cutting a person's skin or vein to remove blood once thought to cure various illnesses; indiscriminate slaughter
22. se\_\_\_\_\_in levels *n.* a neurotransmitter (= a chemical that carries nerve impulses) involved in, e.g., sleep, emotion, and memory
23. traditional me\_\_\_\_\_al *adj.* of or relating to the treatment or cure of disease
24. se\_\_\_\_\_in drug *n.* a neurotransmitter (= a chemical that carries nerve impulses) involved in, e.g., sleep, emotion, and memory
25. bio\_\_\_\_\_al reaction *adj.* relating to the chemical processes and substances that occur within living organisms
26. inherit one al\_\_\_e *n.* any of the alternative forms of a gene that can occupy a given chromosomal location
27. fo\_\_\_\_\_e the consequences *v.* to perceive or predict; to anticipate or expect something to happen in the future
28. he\_\_\_c explorers *adj.* courageous and daring; having or displaying qualities appropriate for legendary figures that is courage and daring

ANSWERS: 19. famine, 20. cardiomyopathy, 21. bloodletting, 22. serotonin, 23. medicinal, 24. serotonin, 25. biochemical, 26. allele, 27. foresee, 28. heroic

29. typ\_\_\_\_\_er keys *n.* a mechanical device used for writing, consisting of type keys that, when pressed, imprint ink onto paper or other writing material, mainly used before modern computers, printers, and word processors took over
30. sma\_\_\_\_\_ne addict *n.* a mobile phone that functions as a computer and connects to the Internet
31. a he\_\_\_c poem *adj.* courageous and daring; having or displaying qualities appropriate for legendary figures that is courage and daring
32. cotton s\_\_b *n.* a small piece of soft material used by a doctor, nurse, etc., for cleaning a cut or taking a sample from somebody's body for testing; (verb) apply, usually a liquid, to a surface
33. actions that si\_\_\_\_\_y agreement *v.* to indicate, represent, or communicate something, especially an idea or concept, often through a symbol, gesture, or word
34. do\_\_\_m millionaire *n.* a company or business that primarily operates on the Internet or has a web-based presence, particularly during the late 1990s and early 2000s when the Internet was a new and rapidly growing industry
35. ov\_\_y atrophy *n.* either of the pair of organs in the female reproductive system that produces eggs; (of a plant) the organ that bears the ovules of a flower

ANSWERS: 29. typewriter, 30. smartphone, 31. heroic, 32. swab, 33. signify, 34. dotcom, 35. ovary

36. salted ov\_\_y of walleye pollack *n.* either of the pair of organs in the female reproductive system that produces eggs; (of a plant) the organ that bears the ovules of a flower
37. pos\_\_\_\_\_em findings *adj.* relating to or occurring after death; a postmortem examination is a medical examination of a body after death to determine the cause of death or to study the effects of a disease or medical treatment
38. wi\_\_d a bad influence *v.* to possess and exercise power, authority, etc
39. large in\_\_\_\_\_ne *n.* a long, tube-like organ in the digestive system that is responsible for absorbing nutrients from food and eliminating waste products
40. human fe\_\_s *n.* waste matter eliminated from the bowels; excrement
41. fo\_\_\_\_\_e challenges *v.* to perceive or predict; to anticipate or expect something to happen in the future
42. me\_\_\_\_\_al chemistry *adj.* of or relating to the treatment or cure of disease
43. fe\_\_s sample *n.* waste matter eliminated from the bowels; excrement
44. a gr\_\_\_\_\_ng campaign *adj.* extremely tiring or demanding great effort, especially with long duration or intensity
45. del\_\_\_\_\_us actions *adj.* causing harm, damage, or injury; having a detrimental or destructive effect

ANSWERS: 36. ovary, 37. postmortem, 38. wield, 39. intestine, 40. feces, 41. foresee, 42. medicinal, 43. feces, 44. grueling, 45. deleterious

46. successful do\_\_\_m *n.* a company or business that primarily operates on the Internet or has a web-based presence, particularly during the late 1990s and early 2000s when the Internet was a new and rapidly growing industry
47. fl\_\_\_\_\_sh worldwide *v.* to grow or develop vigorously or successfully
48. per\_\_\_\_\_ze my workspace *v.* to make something or an experience specific to an individual or group, often through adding personal details or tailoring it to their preferences or needs; to add personal details or information to something
49. pick up a vi\_\_a *n.* a stringed instrument of the violin family, slightly larger than a violin and tuned a fifth lower
50. asy\_\_\_\_\_tic carrier *adj.* not experiencing or exhibiting any symptoms of a particular disease or condition, even though the individual may be infected or affected by it
51. si\_\_\_\_\_y importance *v.* to indicate, represent, or communicate something, especially an idea or concept, often through a symbol, gesture, or word
52. qu\_\_\_\_\_le the amount *v.* to consist of four items or people; to become four times as great or many
53. killer a\_p *n.* (abbreviation for application) software designed to run on smartphones and other mobile devices or inside a web browser on a PC

ANSWERS: 46. dotcom, 47. flourish, 48. personalize, 49. viola, 50. asymptomatic, 51. signify, 52. quadruple, 53. app

54. vi\_\_a section *n.* a stringed instrument of the violin family, slightly larger than a violin and tuned a fifth lower
55. muscle pa\_\_y *n.* a condition characterized by the loss or impairment of movement or sensation due to damage or disease affecting the nervous system; paralysis or weakness
56. he\_\_x structure *n.* a three-dimensional spiral shape or structure, particularly like that of a spring or a DNA molecule
57. di\_\_\_\_d balloon *v.* to expand, inflate, or stretch out in all directions, especially as a result of internal pressure or force; to swell or bulge out of shape
58. the al\_\_\_e in a pair *n.* any of the alternative forms of a gene that can occupy a given chromosomal location
59. Jo\_\_\_n satellites *adj.* relating to Jupiter or its characteristics
60. di\_\_\_\_d the veins *v.* to expand, inflate, or stretch out in all directions, especially as a result of internal pressure or force; to swell or bulge out of shape
61. wi\_\_d her authority *v.* to possess and exercise power, authority, etc
62. del\_\_\_\_us impact *adj.* causing harm, damage, or injury; having a detrimental or destructive effect
63. ped\_\_\_\_cs clinic *n.* the branch of medicine that deals with the care and treatment of children
64. hereditary dy\_\_\_\_ia *n.* a neurological disorder characterized by involuntary muscle contractions that cause twisting, repetitive movements, or abnormal postures

ANSWERS: 54. viola, 55. palsy, 56. helix, 57. distend, 58. allele, 59. Jovian, 60. distend, 61. wield, 62. deleterious, 63. pediatrics, 64. dystonia

65. ethnic blo\_\_\_\_\_ing *n.* the act of intentionally cutting a person's skin or vein to remove blood once thought to cure various illnesses; indiscriminate slaughter
66. so\_\_\_\_\_n production *n.* a legume crop widely cultivated for its nutritious seeds, often ground into meal or pressed into oil for food products, with other uses including animal feed, fuel, and industrial applications
67. fl\_\_\_\_\_sh economically *v.* to grow or develop vigorously or successfully
68. my\_\_\_\_\_d leukemia *adj.* relating to or arising from bone marrow; pertaining to certain types of white blood cells, such as granulocytes and monocytes, which are formed in the bone marrow
69. electronic typ\_\_\_\_\_er *n.* a mechanical device used for writing, consisting of type keys that, when pressed, imprint ink onto paper or other writing material, mainly used before modern computers, printers, and word processors took over
70. per\_\_\_\_\_ze social media profile *v.* to make something or an experience specific to an individual or group, often through adding personal details or tailoring it to their preferences or needs; to add personal details or information to something
71. Jo\_\_\_\_n planet *adj.* relating to Jupiter or its characteristics
72. alpha he\_\_x *n.* a three-dimensional spiral shape or structure, particularly like that of a spring or a DNA molecule

ANSWERS: 65. bloodletting, 66. soybean, 67. flourish, 68. myeloid, 69. typewriter, 70. personalize, 71. Jovian, 72. helix



73. fo\_\_\_\_\_nts in the snow      *n.* a mark of a foot, shoe, or animal's foot left on a surface
74. sma\_\_\_\_\_ne app developer      *n.* a mobile phone that functions as a computer and connects to the Internet
75. my\_\_\_\_\_d sarcoma      *adj.* relating to or arising from bone marrow; pertaining to certain types of white blood cells, such as granulocytes and monocytes, which are formed in the bone marrow
76. pos\_\_\_\_\_em analysis      *adj.* relating to or occurring after death; a postmortem examination is a medical examination of a body after death to determine the cause of death or to study the effects of a disease or medical treatment

ANSWERS: 73. footprint, 74. smartphone, 75. myeloid, 76. postmortem

## Session 3: Fill in the Blanks

1. The doctor diagnosed the patient with hypertrophic \_\_\_\_\_.  
*n.* a disease of the heart muscle that often leads to heart failure, irregular heartbeats, and other serious cardiovascular issues
2. We choose transportation that has a smaller carbon \_\_\_\_\_.  
*n.* a mark of a foot, shoe, or animal's foot left on a surface
3. The farmer harvested his \_\_\_\_\_ crop and took it to market.  
*n.* a legume crop widely cultivated for its nutritious seeds, often ground into meal or pressed into oil for food products, with other uses including animal feed, fuel, and industrial applications
4. \_\_\_\_\_ research is essential to understanding the complex chemical reactions in living organisms.  
*adj.* relating to the chemical processes and substances that occur within living organisms
5. I'm so sorry to \_\_\_\_\_ you when you're pretty busy.  
*v.* to prevent or stop something, especially an event, activity, or process, from continuing in the usual way by causing a problem or disturbance
6. The \_\_\_\_\_ moon Europa is believed to have an ocean beneath its icy surface.  
*adj.* relating to Jupiter or its characteristics
7. The \_\_\_\_\_ cells in the bone marrow are responsible for producing red and white blood cells.  
*adj.* relating to or arising from bone marrow; pertaining to certain types of white blood cells, such as granulocytes and monocytes, which are formed in the bone marrow

ANSWERS: 1. cardiomyopathy, 2. footprint, 3. soybean, 4. Biochemical, 5. disrupt, 6. Jovian, 7. myeloid

8. The marathon was a \_\_\_\_\_ test of endurance.  
*adj.* extremely tiring or demanding great effort, especially with long duration or intensity
9. He took a \_\_\_\_\_ of his ear.  
*n.* a small piece of soft material used by a doctor, nurse, etc., for cleaning a cut or taking a sample from somebody's body for testing; (verb) apply, usually a liquid, to a surface
10. The small \_\_\_\_\_ is responsible for absorbing most of the nutrients from food.  
*n.* a long, tube-like organ in the digestive system that is responsible for absorbing nutrients from food and eliminating waste products
11. Environmental factors can also influence the expression of \_\_\_\_\_ a phenomenon known as epigenetics.  
*n.* any of the alternative forms of a gene that can occupy a given chromosomal location
12. They \_\_\_\_\_ enormous power and influence.  
*v.* to possess and exercise power, authority, etc
13. His stock earnings \_\_\_\_\_.  
*v.* to consist of four items or people; to become four times as great or many
14. Her diagnosis of cervical \_\_\_\_\_ explained her neck's unusual tilting and turning.  
*n.* a neurological disorder characterized by involuntary muscle contractions that cause twisting, repetitive movements, or abnormal postures

ANSWERS: 8. grueling, 9. swab, 10. intestine, 11. alleles, 12. wielded, 13. quadrupled, 14. dystonia

15. The red lights on the dashboard \_\_\_\_\_ that the car needs maintenance.  
*v.* to indicate, represent, or communicate something, especially an idea or concept, often through a symbol, gesture, or word
16. The study showed that one-third of infected individuals could remain \_\_\_\_\_ throughout the disease.  
*adj.* not experiencing or exhibiting any symptoms of a particular disease or condition, even though the individual may be infected or affected by it
17. I am studying \_\_\_\_\_ in medical school because I love working with children.  
*n.* the branch of medicine that deals with the care and treatment of children
18. They found \_\_\_\_\_ cancer in an early stage.  
*n.* either of the pair of organs in the female reproductive system that produces eggs; (of a plant) the organ that bears the ovules of a flower
19. Proper disposal of \_\_\_\_\_ is essential for maintaining public health and sanitation.  
*n.* waste matter eliminated from the bowels; excrement
20. I like to \_\_\_\_\_ my phone case with a picture of my dog.  
*v.* to make something or an experience specific to an individual or group, often through adding personal details or tailoring it to their preferences or needs; to add personal details or information to something
21. Eating too much can \_\_\_\_\_ your stomach and cause discomfort.  
*v.* to expand, inflate, or stretch out in all directions, especially as a result of internal pressure or force; to swell or bulge out of shape

ANSWERS: 15. signify, 16. asymptomatic, 17. pediatrics, 18. ovary, 19. feces, 20. personalize, 21. distend

22. The medical examiner performed a \_\_\_\_\_ examination to determine the cause of death.

*adj.* relating to or occurring after death; a postmortem examination is a medical examination of a body after death to determine the cause of death or to study the effects of a disease or medical treatment

23. The \_\_\_\_\_ actions of individuals are now easily spread worldwide by SNS.

*adj.* courageous and daring; having or displaying qualities appropriate for legendary figures that is courage and daring

24. I found an old \_\_\_\_\_ at a thrift store and used it to write my novel.

*n.* a mechanical device used for writing, consisting of type keys that, when pressed, imprint ink onto paper or other writing material, mainly used before modern computers, printers, and word processors took over

25. Some people with Parkinson's disease may experience tremors and \_\_\_\_\_ in their limbs.

*n.* a condition characterized by the loss or impairment of movement or sensation due to damage or disease affecting the nervous system; paralysis or weakness

26. She had been playing the \_\_\_\_\_ for over a decade.

*n.* a stringed instrument of the violin family, slightly larger than a violin and tuned a fifth lower

27. The discovery of a critical bug caused the company to delay the \_\_\_\_\_ release.

*n.* (abbreviation for application) software designed to run on smartphones and other mobile devices or inside a web browser on a PC

28. Rice and beans are a \_\_\_\_\_ food in many cultures.

*adj.* essential, crucial, or regularly used

ANSWERS: 22. postmortem, 23. heroic, 24. typewriter, 25. palsy, 26. viola, 27. app's, 28. staple

29. The doctor used leeches for \_\_\_\_\_ as they were thought to be more effective than cutting the skin.
- n.* the act of intentionally cutting a person's skin or vein to remove blood once thought to cure various illnesses; indiscriminate slaughter
30. The DNA molecule is shaped like a double \_\_\_\_\_.
- n.* a three-dimensional spiral shape or structure, particularly like that of a spring or a DNA molecule
31. I \_\_\_\_\_ a problem arising if we don't address this issue now.
- v.* to perceive or predict; to anticipate or expect something to happen in the future
32. The Ottoman Empire \_\_\_\_\_ for over five centuries.
- v.* to grow or develop vigorously or successfully
33. The severe \_\_\_\_\_ caused by the drought has left many people without food.
- n.* a severe shortage of food, often caused by drought, war, or economic reasons
34. The \_\_\_\_\_ properties of this herb have been known to help with various ailments.
- adj.* of or relating to the treatment or cure of disease
35. The \_\_\_\_\_ boom of the late 1990s changed the landscape of the tech industry forever.
- n.* a company or business that primarily operates on the Internet or has a web-based presence, particularly during the late 1990s and early 2000s when the Internet was a new and rapidly growing industry
36. Smoking has \_\_\_\_\_ effects on your health, especially your lungs.
- adj.* causing harm, damage, or injury; having a detrimental or destructive effect

ANSWERS: 29. bloodletting, 30. helix, 31. foresee, 32. flourished, 33. famine, 34. medicinal, 35. dotcom, 36. deleterious

37. The medicine works by boosting \_\_\_\_\_ levels in the brain.

- n.* a neurotransmitter (= a chemical that carries nerve impulses) involved in, e.g., sleep, emotion, and memory

38. Internet traffic volumes have increased significantly with the advent of \_\_\_\_\_.

- n.* a mobile phone that functions as a computer and connects to the Internet

ANSWERS: 37. serotonin, 38. smartphones