

# Englist.me



## Vocabulary Builder Reference from...

*Melissa J. Moore: How mRNA medicine will change the world | TED Talk*

[https://www.ted.com/talks/melissa\\_j\\_moore\\_how\\_mrna\\_a\\_medicine\\_will\\_change\\_the\\_world](https://www.ted.com/talks/melissa_j_moore_how_mrna_a_medicine_will_change_the_world)

### Advanced Words Only

#### IMPORTANT

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## Session 1: Word List

### 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.

### mRNA

*n.* (an abbreviation for messenger RNA) a single-stranded molecule of RNA that corresponds to the genetic sequence of a gene, and is read by a ribosome in the process of synthesizing a protein

(1) **mRNA** translation, (2) nuclear **mRNA**

The **mRNA** vaccine can expedite many approval processes because it does not contain a virus.

### herald

*v.* to be a sign or indication of something to come; to proclaim or announce something publicly, often with great enthusiasm or fanfare

*synonym*: announce, proclaim, declare

(1) **herald** the news, (2) **herald** a new era

The sound of the trumpet **heralded** the arrival of the king.

### intractable

*adj.* difficult to manage or control; stubborn or obstinate

*synonym*: obstinate, stubborn, unyielding

(1) **intractable** pain, (2) **intractable** situation  
The **intractable** problem defied a solution.

## interconnect

*v.* to connect similar things

*synonym*: interlink, connect, annex

(1) directly **interconnect** with those systems, (2) human activities **interconnect** with the environment

Our system can now **interconnect** with other databases.

## monolithic

*adj.* characterized by massiveness, rigidity, and uniformity

*synonym*: massive, monumental, hulking

(1) **monolithic** block, (2) **monolithic** system

Big technology companies try to integrate customers' data into **monolithic** applications.

## collagen

*n.* a fibrous protein that forms the connective tissues in animals, including skin, tendons, and bone; often used in cosmetic and medical treatments for its ability to add firmness and elasticity to skin or other tissues

*synonym*: gelatin, protein, tissue

(1) **collagen** supplement, (2) **collagen** production

Our natural **collagen** production decreases as we age, leading to wrinkles, sagging skin, and joint pain.

## pliable

*adj.* flexible; easy to bend without breaking or cracking

*synonym*: flexible, bendable, malleable

(1) **pliable** dough, (2) keep the skin **pliable**

Certain types of plastic become **pliable** when heated.

## actin

*n.* a protein found in muscle tissue that is involved in muscle contraction and movement

*synonym*: protein, molecule, filament

(1) **actin** protein, (2) **actin** polymerization

The **actin** filaments are responsible for maintaining cell shape and movement.

## myosin

*n.* a type of protein found in muscle tissue that is responsible for muscle contraction and movement

*synonym* : actin, myocyte, muscle fiber

(1) **myosin** protein, (2) muscle **myosin**

ATP molecules power the motor activity of **myosin**.

## hemoglobin

*n.* a protein-based molecule found in red blood cells that transports oxygen throughout the body

*synonym* : red cell pigment, oxygen carrier

(1) **hemoglobin** level, (2) abnormal **hemoglobin**

The **hemoglobin** gene mutation can cause genetic disorders such as sickle cell disease.

## clot

*n.* a thick mass or lump of coagulated liquid, especially blood; a group of people or things that form an obstructive, unsympathetic, or resistant force

*synonym* : clump, coagulation, thrombus

(1) blood **clot**, (2) **clot** prevention

The **clot** in the blood vessel required immediate medical attention.

## 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.

## unravel

*v.* undo twisted, knitted, or woven threads by separating it

*synonym* : separate, unknot, ravel

(1) **unravel** a knit, (2) **unravel** a plot

Detectives are still attempting to **unravel** the mystery of his death.

## propensity

*n.* a natural inclination, preference, or tendency toward a particular activity, behavior, or opinion

*synonym* : tendency, inclination, disposition

(1) **propensity** for violence, (2) **propensity** to procrastinate  
His **propensity** for lying caused him to lose many friends.

## neuron

*n.* a cell that is specialized to carry information within the brain and between the brain and other parts of the body  
*synonym*: nerve cell

(1) excite the **neurons**, (2) **neuron** cell body

Our body transfers information along each **neuron** using an electrical impulse.

## complication

*n.* something that makes a situation or condition that is complex or confused

*synonym*: confusion, complexity, difficulty

(1) **complication** of structure, (2) resolve without **complication**

He also continued to struggle with serious long-term **complications**.

## inborn

*adj.* existing naturally from birth; innate or inherent; often used to refer to traits or characteristics that are genetically determined

*synonym*: innate, inherent, natural

(1) **inborn** talent, (2) **inborn** characteristics

The scientist's **inborn** sense of logic made her a rigorous and precise thinker.

## glycogen

*n.* a complex carbohydrate that is stored in the liver and muscles and broken down into glucose for energy when needed

*synonym*: storage carbohydrate, energy reserve, animal starch

(1) **glycogen** storage, (2) **glycogen** synthesis

The liver produces and stores **glycogen** for the body to use as a source of energy.

## carbohydrate

*n.* (also carb) any of a class of organic compounds that includes sugars, starch, and cellulose and are a principal source of energy in the diet of animals

*synonym* : sugar, starch, cellulose

(1) complex **carbohydrate**, (2) **carbohydrate** metabolism  
Foods high in **carbohydrates** include bread, pasta, and rice.

## cornstarch

*n.* a fine, powdery flour made from the starch of corn kernels, used as a thickener in cooking or for other industrial purposes

*synonym* : corn flour, cornmeal, maize flour

(1) **cornstarch** slurry, (2) **cornstarch** pudding

A mixture of vinegar and **cornstarch** can be used to clean silverware.

## hypoglycemia

*n.* a medical condition characterized by abnormally low blood sugar levels, often causing symptoms such as weakness, sweating, confusion, and dizziness

*synonym* : low blood sugar, insulin reaction, insulin shock

(1) **hypoglycemia** symptoms, (2) **hypoglycemia** diet

The doctor recommended frequent monitoring of blood sugar levels to prevent **hypoglycemia**

## puberty

*n.* the process of a person's physical changes through which their sexual organs develop and become capable of reproduction

*synonym* : adolescence, young adulthood

(1) at the height of **puberty** ., (2) the onset of **puberty**

In this culture, men are initiated when they reach **puberty**.

## circadian

*adj.* relating to a physiological cycle that lasts approximately 24 hours, impacting physical and behavioral changes that occur over the course of a day, such as sleep-wake cycles or fluctuations in hormones

*synonym* : daily, diurnal, day-to-day

(1) **circadian** clock, (2) **circadian** disruption

Having a consistent sleep schedule is important for maintaining a healthy **circadian** rhythm.

## suffice

v. to be enough or sufficient; to meet the needs or requirements of something or someone; to satisfy or fulfill a purpose

*synonym*: satisfy, meet, be enough

(1) **suffice** to live, (2) **suffice** as evidence

Would one cup of flour **suffice** for this recipe?

## inject

v. to put a liquid such as a drug or other substance into a person's or an animal's body using a needle and syringe (= small tube)

*synonym*: shoot, infiltrate, insinuate

(1) **inject** under the skin, (2) **inject** a personal opinion into a debate

Let's try to **inject** a bit of enthusiasm into your performance.

## clog

v. to obstruct or block up (a passage, pipe, or system) with an accumulation of thick or sticky matter; to impede or hinder the progress or movement of something

*synonym*: block, jam, obstruct

(1) **clog** a filter, (2) **clog** artery

The drain was **clogged** with hair and needed to be cleaned out.

## turnaround

n. the amount of time needed to prepare a vessel or ship for a return trip; a change or improvement in the condition, performance, or affairs of something

*synonym*: recovery, improvement, reversal

(1) miraculous **turnaround**, (2) **turnaround** strategy

The company's **turnaround** was a result of new management strategies.

## goosebump

n. a small bump that appears on the skin due to cold, fear, or excitement; a physiological response that causes the skin to contract and produce small bumps

*synonym*: horripilation, gooseflesh, pilomotor reflex

(1) **goosebump** sensation, (2) **goosebump** moment

The cold wind gave her **goosebumps** on her arms and legs.

## regenerative

*adj.* tending to regrow or restore lost or injured tissue  
*synonym*: rejuvenating, restorative, healing

(1) **regenerative** medicine, (2) **regenerative** therapy

The **regenerative** properties of stem cells make them a promising area of research.

## beckon

*v.* to gesture or signal someone to come nearer or follow; to encourage or entice someone to do something; to seem attractive or desirable

*synonym*: signal, summon, gesture

(1) **beckon** with a hand, (2) **beckon** a taxi

The warm sun and gentle breeze **beckoned** us to spend the day outside.

## 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.

## tamp

*v.* to pack down or compress tightly using a tool or instrument; to suppress or reduce something, such as an emotion, a conflict, or a rumor

*synonym*: press, compact, ram

(1) **tamp** down fighting, (2) **tamp** tobacco into a pipe

Be sure to **tamp** down the soil around the newly planted tree to secure it in place.

## overactive

*adj.* excessively active; showing an excess of activity or energy

*synonym*: hyperactive, frantic, restless

(1) **overactive** imagination, (2) **overactive** thyroid

The medication caused an **overactive** immune system, resulting in adverse side effects.

## multiplex

*n.* a cinema complex with several screens or theaters showing different films at the same time; an electronic device that allows several signals to be transmitted or processed simultaneously through a single channel; (adjective) relating to or consisting of multiple interconnected parts or elements

*synonym*: multiplexer, complex, cinema

(1) **multiplex** telegraphy, (2) **multiplex** DNA analysis

The new **multiplex** cinema has 12 screens showing the latest movies.

## syncytial

*adj.* relating to or characterized by a type of cell structure in which multiple nuclei are contained in a single cytoplasmic mass

*synonym*: multinucleate, fused, united

(1) **syncytial** virus, (2) **syncytial** fusion

**Syncytial** cells have multiple nuclei and are often found in the placenta.

## hospitalize

*v.* to admit someone to a hospital for medical treatment

*synonym*: admit, place in hospital

(1) **hospitalize** patient, (2) **hospitalize** child

She had to be **hospitalized** due to her injuries.

## booster

*n.* something or someone that supports, promotes, or enhances; a device or substance that improves the performance or effectiveness of something

*synonym*: promoter, supporter, advocate

(1) metabolism **booster**, (2) morale **booster**

The energy drink is marketed as a **booster** to help athletes perform better.

## 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**.



## Session 2: Spelling

- |  |  |
|--|--|
| 1. the fo_____nts of an earlier civilization         | <i>n.</i> a mark of a foot, shoe, or animal's foot left on a surface   |
| 2. reg_____ive medicine                              | <i>adj.</i> tending to regrow or restore lost or injured tissue  |
| 3. insulin aut_____ne syndrome                       | <i>adj.</i> relating to a condition in which the body's immune system attacks and destroys healthy body tissue, mistaking it for harmful foreign substances  |
| 4. sy_____al fusion                                  | <i>adj.</i> relating to or characterized by a type of cell structure in which multiple nuclei are contained in a single cytoplasmic mass   |
| 5. pl_____e dough                                    | <i>adj.</i> flexible; easy to bend without breaking or cracking  |
| 6. metabolism bo_____r                               | <i>n.</i> something or someone that supports, promotes, or enhances; a device or substance that improves the performance or effectiveness of something   |
| 7. human activities int_____ect with the environment | <i>v.</i> to connect similar things  |
| 8. co_____en supplement                              | <i>n.</i> a fibrous protein that forms the connective tissues in animals, including skin, tendons, and bone; often used in cosmetic and medical treatments for its ability to add firmness and elasticity to skin or other tissues |

ANSWERS: 1. footprint, 2. regenerative, 3. autoimmune, 4. syncytial, 5. pliable, 6. booster, 7. interconnect, 8. collagen

9. cor\_\_\_\_\_ch pudding *n.* a fine, powdery flour made from the starch of corn kernels, used as a thickener in cooking or for other industrial purposes
10. hyp\_\_\_\_\_mia diet *n.* a medical condition characterized by abnormally low blood sugar levels, often causing symptoms such as weakness, sweating, confusion, and dizziness
11. pro\_\_\_\_\_ty for violence *n.* a natural inclination, preference, or tendency toward a particular activity, behavior, or opinion
12. blood c\_\_t *n.* a thick mass or lump of coagulated liquid, especially blood; a group of people or things that form an obstructive, unsympathetic, or resistant force
13. he\_\_\_d the news *v.* to be a sign or indication of something to come; to proclaim or announce something publicly, often with great enthusiasm or fanfare
14. gl\_\_\_\_\_en storage *n.* a complex carbohydrate that is stored in the liver and muscles and broken down into glucose for energy when needed
15. be\_\_\_n with a hand *v.* to gesture or signal someone to come nearer or follow; to encourage or entice someone to do something; to seem attractive or desirable
16. co\_\_\_\_\_en production *n.* a fibrous protein that forms the connective tissues in animals, including skin, tendons, and bone; often used in cosmetic and medical treatments for its ability to add firmness and elasticity to skin or other tissues

ANSWERS: 9. cornstarch, 10. hypoglycemia, 11. propensity, 12. clot, 13. herald, 14. glycogen, 15. beckon, 16. collagen

17. mon\_\_\_\_\_ic block *adj.* characterized by massiveness, rigidity, and uniformity
18. in\_\_\_n characteristics *adj.* existing naturally from birth; innate or inherent; often used to refer to traits or characteristics that are genetically determined
19. m\_\_A translation *n.* (an abbreviation for messenger RNA) a single-stranded molecule of RNA that corresponds to the genetic sequence of a gene, and is read by a ribosome in the process of synthesizing a protein
20. int\_\_\_\_\_le situation *adj.* difficult to manage or control; stubborn or obstinate
21. mon\_\_\_\_\_ic system *adj.* characterized by massiveness, rigidity, and uniformity
22. ove\_\_\_\_\_ve imagination *adj.* excessively active; showing an excess of activity or energy
23. be\_\_\_n a taxi *v.* to gesture or signal someone to come nearer or follow; to encourage or entice someone to do something; to seem attractive or desirable
24. morale bo\_\_\_\_\_r *n.* something or someone that supports, promotes, or enhances; a device or substance that improves the performance or effectiveness of something
25. my\_\_\_n protein *n.* a type of protein found in muscle tissue that is responsible for muscle contraction and movement

ANSWERS: 17. monolithic, 18. inborn, 19. mRNA, 20. intractable, 21. monolithic, 22. overactive, 23. beckon, 24. booster, 25. myosin

26. tur\_\_\_\_\_nd strategy *n.* the amount of time needed to prepare a vessel or ship for a return trip; a change or improvement in the condition, performance, or affairs of something
27. c\_\_t prevention *n.* a thick mass or lump of coagulated liquid, especially blood; a group of people or things that form an obstructive, unsympathetic, or resistant force
28. reg\_\_\_\_\_ive therapy *adj.* tending to regrow or restore lost or injured tissue
29. go\_\_\_\_\_mp sensation *n.* a small bump that appears on the skin due to cold, fear, or excitement; a physiological response that causes the skin to contract and produce small bumps
30. ove\_\_\_\_\_ve thyroid *adj.* excessively active; showing an excess of activity or energy
31. fo\_\_\_\_\_nts in the snow *n.* a mark of a foot, shoe, or animal's foot left on a surface
32. hos\_\_\_\_\_ze patient *v.* to admit someone to a hospital for medical treatment
33. com\_\_\_\_\_ion of structure *n.* something that makes a situation or condition that is complex or confused
34. he\_\_\_d a new era *v.* to be a sign or indication of something to come; to proclaim or announce something publicly, often with great enthusiasm or fanfare
35. ci\_\_\_\_\_an clock *adj.* relating to a physiological cycle that lasts approximately 24 hours, impacting physical and behavioral changes that occur over the course of a day, such as sleep-wake cycles or fluctuations in hormones

ANSWERS: 26. turnaround, 27. clot, 28. regenerative, 29. goosebump, 30. overactive, 31. footprint, 32. hospitalize, 33. complication, 34. herald, 35. circadian

36. at the height of pu\_\_\_\_y. *n.* the process of a person's physical changes through which their sexual organs develop and become capable of reproduction
37. bio\_\_\_\_\_al reaction *adj.* relating to the chemical processes and substances that occur within living organisms
38. complex car\_\_\_\_\_ate *n.* (also carb) any of a class of organic compounds that includes sugars, starch, and cellulose and are a principal source of energy in the diet of animals
39. excite the ne\_\_\_\_ns *n.* a cell that is specialized to carry information within the brain and between the brain and other parts of the body
40. t\_\_p down fighting *v.* to pack down or compress tightly using a tool or instrument; to suppress or reduce something, such as an emotion, a conflict, or a rumor
41. complex bio\_\_\_\_\_al *adj.* relating to the chemical processes and substances that occur within living organisms
42. hem\_\_\_\_\_in level *n.* a protein-based molecule found in red blood cells that transports oxygen throughout the body
43. un\_\_\_\_\_l a knit *v.* undo twisted, knitted, or woven threads by separating it
44. traditional me\_\_\_\_\_al *adj.* of or relating to the treatment or cure of disease

ANSWERS: 36. puberty, 37. biochemical, 38. carbohydrate, 39. neuron, 40. tamp, 41. biochemical, 42. hemoglobin, 43. unravel, 44. medicinal

45. cor\_\_\_\_\_ch slurry *n.* a fine, powdery flour made from the starch of corn kernels, used as a thickener in cooking or for other industrial purposes
46. sy\_\_\_\_\_al virus *adj.* relating to or characterized by a type of cell structure in which multiple nuclei are contained in a single cytoplasmic mass
47. miraculous tur\_\_\_\_\_nd *n.* the amount of time needed to prepare a vessel or ship for a return trip; a change or improvement in the condition, performance, or affairs of something
48. su\_\_\_\_\_e to live *v.* to be enough or sufficient; to meet the needs or requirements of something or someone; to satisfy or fulfill a purpose
49. muscle my\_\_\_\_n *n.* a type of protein found in muscle tissue that is responsible for muscle contraction and movement
50. su\_\_\_\_\_e as evidence *v.* to be enough or sufficient; to meet the needs or requirements of something or someone; to satisfy or fulfill a purpose
51. ci\_\_\_\_\_an disruption *adj.* relating to a physiological cycle that lasts approximately 24 hours, impacting physical and behavioral changes that occur over the course of a day, such as sleep-wake cycles or fluctuations in hormones
52. ne\_\_\_\_n cell body *n.* a cell that is specialized to carry information within the brain and between the brain and other parts of the body

ANSWERS: 45. cornstarch, 46. syncytial, 47. turnaround, 48. suffice, 49. myosin, 50. suffice, 51. circadian, 52. neuron

53. ac\_\_n polymerization *n.* a protein found in muscle tissue that is involved in muscle contraction and movement
54. directly int\_\_\_\_\_ect with those systems *v.* to connect similar things
55. hyp\_\_\_\_\_mia symptoms *n.* a medical condition characterized by abnormally low blood sugar levels, often causing symptoms such as weakness, sweating, confusion, and dizziness
56. resolve without com\_\_\_\_\_ion *n.* something that makes a situation or condition that is complex or confused
57. hos\_\_\_\_\_ze child *v.* to admit someone to a hospital for medical treatment
58. mu\_\_\_\_\_ex telegraphy *n.* a cinema complex with several screens or theaters showing different films at the same time; an electronic device that allows several signals to be transmitted or processed simultaneously through a single channel; (adjective) relating to or consisting of multiple interconnected parts or elements
59. gl\_\_\_\_\_en synthesis *n.* a complex carbohydrate that is stored in the liver and muscles and broken down into glucose for energy when needed
60. in\_\_\_n talent *adj.* existing naturally from birth; innate or inherent; often used to refer to traits or characteristics that are genetically determined
61. go\_\_\_\_\_mp moment *n.* a small bump that appears on the skin due to cold, fear, or excitement; a physiological response that causes the skin to contract and produce small bumps

ANSWERS: 53. actin, 54. interconnect, 55. hypoglycemia, 56. complication, 57. hospitalize, 58. multiplex, 59. glycogen, 60. inborn, 61. goosebump

62. un\_\_\_\_l a plot      *v.*    undo twisted, knitted, or woven threads by separating it
63. pro\_\_\_\_\_ty to procrastinate      *n.*    a natural inclination, preference, or tendency toward a particular activity, behavior, or opinion
64. nuclear m\_\_A      *n.*    (an abbreviation for messenger RNA) a single-stranded molecule of RNA that corresponds to the genetic sequence of a gene, and is read by a ribosome in the process of synthesizing a protein
65. car\_\_\_\_\_ate metabolism      *n.*    (also carb) any of a class of organic compounds that includes sugars, starch, and cellulose and are a principal source of energy in the diet of animals
66. in\_\_\_t a personal opinion into a debate      *v.*    to put a liquid such as a drug or other substance into a person's or an animal's body using a needle and syringe (= small tube)
67. c\_\_g artery      *v.*    to obstruct or block up (a passage, pipe, or system) with an accumulation of thick or sticky matter; to impede or hinder the progress or movement of something
68. keep the skin pl\_\_\_\_\_e      *adj.* flexible; easy to bend without breaking or cracking
69. c\_\_g a filter      *v.*    to obstruct or block up (a passage, pipe, or system) with an accumulation of thick or sticky matter; to impede or hinder the progress or movement of something
70. in\_\_\_t under the skin      *v.*    to put a liquid such as a drug or other substance into a person's or an animal's body using a needle and syringe (= small tube)

ANSWERS: 62. unravel, 63. propensity, 64. mRNA, 65. carbohydrate, 66. inject, 67. clog, 68. pliable, 69. clog, 70. inject



71. mu\_\_\_\_\_ex DNA analysis *n.* a cinema complex with several screens or theaters showing different films at the same time; an electronic device that allows several signals to be transmitted or processed simultaneously through a single channel; (adjective) relating to or consisting of multiple interconnected parts or elements
72. abnormal hem\_\_\_\_\_in *n.* a protein-based molecule found in red blood cells that transports oxygen throughout the body
73. t\_\_p tobacco into a pipe *v.* to pack down or compress tightly using a tool or instrument; to suppress or reduce something, such as an emotion, a conflict, or a rumor
74. 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
75. me\_\_\_\_\_al chemistry *adj.* of or relating to the treatment or cure of disease
76. ac\_\_n protein *n.* a protein found in muscle tissue that is involved in muscle contraction and movement
77. the onset of pu\_\_\_\_\_y *n.* the process of a person's physical changes through which their sexual organs develop and become capable of reproduction
78. int\_\_\_\_\_le pain *adj.* difficult to manage or control; stubborn or obstinate

ANSWERS: 71. multiplex, 72. hemoglobin, 73. tamp, 74. autoimmune, 75. medicinal, 76. actin, 77. puberty, 78. intractable

ANSWERS:

## Session 3: Fill in the Blanks

- \_\_\_\_\_ 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
- Let's try to \_\_\_\_\_ a bit of enthusiasm into your performance.  
*v.* to put a liquid such as a drug or other substance into a person's or an animal's body using a needle and syringe (= small tube)
- The medication caused an \_\_\_\_\_ immune system, resulting in adverse side effects.  
*adj.* excessively active; showing an excess of activity or energy
- The scientist's \_\_\_\_\_ sense of logic made her a rigorous and precise thinker.  
*adj.* existing naturally from birth; innate or inherent; often used to refer to traits or characteristics that are genetically determined
- Our system can now \_\_\_\_\_ with other databases.  
*v.* to connect similar things
- We choose transportation that has a smaller carbon \_\_\_\_\_.  
*n.* a mark of a foot, shoe, or animal's foot left on a surface
- The \_\_\_\_\_ problem defied a solution.  
*adj.* difficult to manage or control; stubborn or obstinate
- Certain types of plastic become \_\_\_\_\_ when heated.  
*adj.* flexible; easy to bend without breaking or cracking

ANSWERS: 1. Biochemical, 2. inject, 3. overactive, 4. inborn, 5. interconnect, 6. footprint, 7. intractable, 8. pliable

9. Would one cup of flour \_\_\_\_\_ for this recipe?
- v. to be enough or sufficient; to meet the needs or requirements of something or someone; to satisfy or fulfill a purpose
10. She had to be \_\_\_\_\_ due to her injuries.
- v. to admit someone to a hospital for medical treatment
11. His \_\_\_\_\_ for lying caused him to lose many friends.
- n. a natural inclination, preference, or tendency toward a particular activity, behavior, or opinion
12. In this culture, men are initiated when they reach \_\_\_\_\_.
- n. the process of a person's physical changes through which their sexual organs develop and become capable of reproduction
13. The drain was \_\_\_\_\_ with hair and needed to be cleaned out.
- v. to obstruct or block up (a passage, pipe, or system) with an accumulation of thick or sticky matter; to impede or hinder the progress or movement of something
14. The doctor recommended frequent monitoring of blood sugar levels to prevent \_\_\_\_\_.
- n. a medical condition characterized by abnormally low blood sugar levels, often causing symptoms such as weakness, sweating, confusion, and dizziness
15. Be sure to \_\_\_\_\_ down the soil around the newly planted tree to secure it in place.
- v. to pack down or compress tightly using a tool or instrument; to suppress or reduce something, such as an emotion, a conflict, or a rumor
16. The company's \_\_\_\_\_ was a result of new management strategies.
- n. the amount of time needed to prepare a vessel or ship for a return trip; a change or improvement in the condition, performance, or affairs of something

ANSWERS: 9. suffice, 10. hospitalized, 11. propensity, 12. puberty, 13. clogged, 14. hypoglycemia, 15. tamp, 16. turnaround

17. Big technology companies try to integrate customers' data into \_\_\_\_\_ applications.  
*adj.* characterized by massiveness, rigidity, and uniformity
18. ATP molecules power the motor activity of \_\_\_\_\_.  
*n.* a type of protein found in muscle tissue that is responsible for muscle contraction and movement
19. Detectives are still attempting to \_\_\_\_\_ the mystery of his death.  
*v.* undo twisted, knitted, or woven threads by separating it
20. The \_\_\_\_\_ in the blood vessel required immediate medical attention.  
*n.* a thick mass or lump of coagulated liquid, especially blood; a group of people or things that form an obstructive, unsympathetic, or resistant force
21. The cold wind gave her \_\_\_\_\_ on her arms and legs.  
*n.* a small bump that appears on the skin due to cold, fear, or excitement; a physiological response that causes the skin to contract and produce small bumps
22. He also continued to struggle with serious long-term \_\_\_\_\_.  
*n.* something that makes a situation or condition that is complex or confused
23. The liver produces and stores \_\_\_\_\_ for the body to use as a source of energy.  
*n.* a complex carbohydrate that is stored in the liver and muscles and broken down into glucose for energy when needed
24. The sound of the trumpet \_\_\_\_\_ the arrival of the king.  
*v.* to be a sign or indication of something to come; to proclaim or announce something publicly, often with great enthusiasm or fanfare

ANSWERS: 17. monolithic, 18. myosin, 19. unravel, 20. clot, 21. goosebumps, 22. complications, 23. glycogen, 24. heralded

25. 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
26. The \_\_\_\_\_ properties of stem cells make them a promising area of research.  
*adj.* tending to regrow or restore lost or injured tissue
27. The energy drink is marketed as a \_\_\_\_\_ to help athletes perform better.  
*n.* something or someone that supports, promotes, or enhances; a device or substance that improves the performance or effectiveness of something
28. Our body transfers information along each \_\_\_\_\_ using an electrical impulse.  
*n.* a cell that is specialized to carry information within the brain and between the brain and other parts of the body
29. Our natural \_\_\_\_\_ production decreases as we age, leading to wrinkles, sagging skin, and joint pain.  
*n.* a fibrous protein that forms the connective tissues in animals, including skin, tendons, and bone; often used in cosmetic and medical treatments for its ability to add firmness and elasticity to skin or other tissues
30. The \_\_\_\_\_ properties of this herb have been known to help with various ailments.  
*adj.* of or relating to the treatment or cure of disease
31. A mixture of vinegar and \_\_\_\_\_ can be used to clean silverware.  
*n.* a fine, powdery flour made from the starch of corn kernels, used as a thickener in cooking or for other industrial purposes

ANSWERS: 25. autoimmune, 26. regenerative, 27. booster, 28. neuron, 29. collagen, 30. medicinal, 31. cornstarch

32. \_\_\_\_\_ cells have multiple nuclei and are often found in the placenta.  
*adj.* relating to or characterized by a type of cell structure in which multiple nuclei are contained in a single cytoplasmic mass
33. The \_\_\_\_ vaccine can expedite many approval processes because it does not contain a virus.  
*n.* (an abbreviation for messenger RNA) a single-stranded molecule of RNA that corresponds to the genetic sequence of a gene, and is read by a ribosome in the process of synthesizing a protein
34. Foods high in \_\_\_\_\_ include bread, pasta, and rice.  
*n.* (also carb) any of a class of organic compounds that includes sugars, starch, and cellulose and are a principal source of energy in the diet of animals
35. The \_\_\_\_\_ filaments are responsible for maintaining cell shape and movement.  
*n.* a protein found in muscle tissue that is involved in muscle contraction and movement
36. Having a consistent sleep schedule is important for maintaining a healthy \_\_\_\_\_ rhythm.  
*adj.* relating to a physiological cycle that lasts approximately 24 hours, impacting physical and behavioral changes that occur over the course of a day, such as sleep-wake cycles or fluctuations in hormones
37. The new \_\_\_\_\_ cinema has 12 screens showing the latest movies.  
*n.* a cinema complex with several screens or theaters showing different films at the same time; an electronic device that allows several signals to be transmitted or processed simultaneously through a single channel; (adjective) relating to or consisting of multiple interconnected parts or elements

ANSWERS: 32. Syncytial, 33. mRNA, 34. carbohydrates, 35. actin, 36. circadian, 37. multiplex

38. The warm sun and gentle breeze \_\_\_\_\_ us to spend the day outside.
- v.* to gesture or signal someone to come nearer or follow; to encourage or entice someone to do something; to seem attractive or desirable
39. The \_\_\_\_\_ gene mutation can cause genetic disorders such as sickle cell disease.
- n.* a protein-based molecule found in red blood cells that transports oxygen throughout the body

ANSWERS: 38. beckoned, 39. hemoglobin