

# Englist.me



## Vocabulary Builder Reference from...

Shannon Odell: How puberty changes your brain |  
TED Talk

[https://www.ted.com/talks/shannon\\_odell\\_how\\_puberty\\_changes\\_your\\_brain](https://www.ted.com/talks/shannon_odell_how_puberty_changes_your_brain)

### All Words

#### IMPORTANT

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## Session 1: Word List

### 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**.

### overlook

*v.* to fail to notice something; to watch over someone; to provide a view from above

*synonym*: disregard, look down, supervise

(1) **overlook** a street, (2) **overlook** that fact

We cannot **overlook** an opportunity for great success.

### fascinating

*adj.* extremely interesting

*synonym*: alluring, intriguing, captivating

(1) **fascinating** story, (2) completely **fascinating** to me

The museum houses a **fascinating** collection of Celtic artifacts.

### brain

*n.* the organ inside the head that is responsible for one's movement, thought, memory, and feeling

*synonym*: intellect, mind, encephalon

(1) basic **brain** function, (2) permanent **brain** damage

X-rays revealed a small tumor in his **brain**.

## reproductive

*adj.* connected with the process of reproduction; relating to reproducing babies, young animals, or plants

*synonym*: procreative, generative

(1) **reproductive** ability, (2) during **reproductive** period

This documentary deals with the **reproductive** biology of the buffalo.

## ripen

*v.* to cause something to be fully developed; to become ripe

*synonym*: mature, grow, age

(1) **ripen** the fruit, (2) **ripen** naturally

His tireless efforts **ripen** into success.

## magical

*adj.* produced by or containing supernatural powers

*synonym*: enchanting, occult, supernatural

(1) **magical** place, (2) **magical** powers

When I was a child, my mother often cast **magical** spells to ease my pain whenever I was injured.

## trigger

*v.* to make something happen suddenly; to cause something such as a device, machine, etc. to function

*synonym*: activate, spark, drive

(1) **trigger** a biochemical response, (2) **trigger** inflation

The incident **triggered** a political controversy.

## hypothalamus

*n.* a basal part of the brain that autonomically controls body temperature, hunger, and the release of hormones

(1) anterior **hypothalamus**, (2) **hypothalamus** hemorrhage

Oxytocin is also produced in the nucleus of the **hypothalamus**.

## hormone

*n.* a chemical substance made by organs that encourages or influences the development, growth, sex, etc., of an animal and is carried around the body in the blood

(1) **hormone** secretion, (2) female **hormone**  
The doctor diagnosed me with a **hormone** disorder.

### convenient

*adj.* useful, helpful, or quick to do  
*synonym*: timely, fortunate, suitable

(1) **convenient** way, (2) **convenient** location  
The airport offers five **convenient** access routes.

### extended

*adj.* longer than usual or anticipated  
*synonym*: extensive, prolonged, elongated

(1) **extended** vacation, (2) **extended** payment  
The **extended** airport runways may accommodate larger jets.

### undergo

*v.* to go through something unpleasant or that involves a change  
*synonym*: experience, suffer, endure

(1) **undergo** surgery, (2) **undergo** a decrease  
The train has to **undergo** rigorous safety checks.

### transformation

*n.* a complete change in form, nature, or appearance of someone or something  
*synonym*: change, conversion, renewal

(1) the **transformation** of a tadpole into a frog, (2) cast a **transformation** spell

Understanding unitary **transformations** of a normal matrix require considerable mathematical sophistication.

### estrogen

*n.* a category of female steroid sex hormone responsible for the development and regulation of the female reproductive system and secondary sex characteristics

(1) **estrogen** receptor, (2) **estrogen-responsive** breast cancer

The older woman also suffers bone loss caused by **estrogen** deficiency.

## testosterone

*n.* a male hormone that is responsible for the development of male secondary sex characteristics

(1) **testosterone** enhancer, (2) a synthetic derivative of **testosterone**

Training with sufficient intensity increases blood **testosterone** levels.

## 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.

## hitch

*v.* to move something into a different position jerkily; to travel by getting free rides from motorists; to hook or entangle

*synonym*: fasten, jerk, tether

(1) **hitch** a ride, (2) **hitch** up my trousers

The mechanics **hitched** the trailer to the broken-down car.

## bloodstream

*n.* the blood flowing through the body

(1) **bloodstream** in an artery, (2) **bloodstream** to the brain  
Cancer cells are often carried throughout the body by the **bloodstream**.

## interact

*v.* to communicate or react with somebody

*synonym*: cooperate, combine, collaborate

(1) **interact** directly with customers, (2) **interact** with one another

He should **interact** more with his colleagues.

## receptor

*n.* an organ having nerve endings that respond to stimulation such as heat or cold and makes the body react in a particular way

(1) cellular **receptor**, (2) **receptor** for HIV in humans

Hay fever occurs when a substance called histamine binds to

**receptors** in the nose and eyes.

**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.

**excitable**

*adj.* easily responding to something new or stimuli

*synonym* : agitated, demonstrative, impulsive

(1) non- **excitable** cell, (2) an **excitable** people

He has an **excitable** temperament.

**alter**

*v.* to cause to change or make different

*synonym* : change, vary, adjust

(1) **alter** a decision, (2) **alter** data in a file

The design of the webpage has **altered** slightly.

**reshape**

*v.* to change the form or structure of something

*synonym* : alter, adjust, modify

(1) **reshape** education policy, (2) **reshape** my thoughts

The advent of the Internet completely **reshaped** the manufacturing industry.

**remodel**

*v.* to change the structure or form of something

*synonym* : refurbish, remake, revamp

(1) **remodel** the car, (2) **remodel** portfolio

We are **remodeling** these rooms now.

**limbic**

*adj.* of or relating to the system of the brain that supports a variety of functions, including emotion, behavior, long-term memory, and olfaction

(1) **limbic** cortex, (2) **limbic** epilepsy

The **limbic** brain region responded readily to negative or sad sounds.

## emotional

*adj.* relating to people's feelings

*synonym* : affecting, impactful, impressive

(1) **emotional** health, (2) **emotional** distress

Human **emotional** responses vary widely depending on the society to which they belong.

## amygdala

*n.* one of two parts of the almond-shaped neural structure that are linked to emotions, especially fear and pleasure, memory, and the sense of smell

(1) the decline in **amygdala** activity, (2) **amygdala** damage

The **amygdala** has been associated with memories of past emotional events.

## detect

*v.* to find or recognize something, especially something difficult to see, hear, etc.

*synonym* : catch, observe, notice

(1) **detect** a bad event, (2) **detect** smuggling across borders

The security camera has **detected** four intruders.

## environment

*n.* the natural world such as air, water, and land in which humans, animals, and plants live

*synonym* : atmosphere, surroundings, climate

(1) **environment** affairs, (2) chaotic **environment**

Every human is responsible for taking care of the Earth's **environment**.

## emotion

*n.* a strong feeling such as love, anger, etc. deriving from one's situation, mood, or relationships with others

*synonym* : feeling, sentiment, passion

(1) control my **emotion**, (2) afraid to show **emotion**

Some **emotions** are common across cultures and backgrounds.

## peer

*n.* a person who has the same age, status, or ability

*synonym* : fellow, associate, counterpart

(1) **peer** group, (2) **peer** review

Among young people, **peer** pressure can be pretty influential.

## prime

*adj.* main or most important; basic

*synonym* : excellent, exceptional, premium

(1) **prime** number, (2) deputy **prime** minister

After a thorough investigation, she has been named as the **prime** suspect.

## discovery

*n.* the act or process of finding information, a place, or an object, or learning about something that was previously not known

*synonym* : finding, uncovering, detection

(1) a scientific **discovery**, (2) the great **discovery** of the century

Her research team made an important **discovery**.

## likewise

*adv.* in the same way

*synonym* : alike, correspondingly, similarly

(1) do **likewise**, (2) please revise **likewise**

He is tall and **likewise** strong.

## restructure

*v.* to organize a company, business, or system in a new and different way to make it work more effectively

*synonym* : reorganize, revamp, reconstruct

(1) **restructure** sentence, (2) **restructure** my debts

The economic downturn made it necessary to **restructure** the business.

## nucleus

*n.* the central and most important part of something; (biology) a part of the cell containing DNA and RNA and responsible for growth and reproduction; (physics) the very dense central region of an atom

*synonym* : core, heart, middle

(1) form a **nucleus**, (2) the **nucleus** of a team

DNA is stored in the **nucleus** of a cell.

## accumbens

*n.* (nucleus accumbens) an area of the brain located in the basal forebrain that has a significant role in the cognitive processing of motivation, aversion, reward

(1) nucleus **accumbens** neurons, (2) cells of the nucleus **accumbens**

Dopamine is released into the nucleus **accumbens**.

## reward

*n.* a thing given in acknowledgment of service, hard work, achievement, etc.

*synonym*: compensation, gratuity, bonus

(1) the **reward** for good works, (2) shopping **rewards** cards

Night fishing has a lot of **rewards**.

## sensation

*n.* a feeling associated with stimulation of a sense organ or with a specific body condition; a general feeling of interest and excitement

*synonym*: feeling, perception, mania

(1) cause a widespread **sensation**, (2) taste **sensation**

If you apply this ointment, you may feel a mild burning **sensation**.

## dopamine

*n.* a chemical substance produced by nerve cells as a neurotransmitter; as a drug, it is used to treat shock and hypotension

(1) **dopamine-inhibiting** agent, (2) antagonism of **dopamine**

The drug controls the level of **dopamine** in the brain.

## hub

*n.* the central or main part of a particular place, activity, network, etc.; the central part of a car wheel, fan, propeller, etc., through which the shaft or axle passes

*synonym*: center, junction, focal point

(1) a **hub** of commerce, (2) education **hub**

This airport has taken the first step to become an international **hub** airport.



## pleasurable

*adj.* giving satisfaction or pleasure; enjoyable

*synonym* : comforting, enjoyable, gratifying

(1) a **pleasurable** experience, (2) have a very **pleasurable** time

Our marital life was full of happiness and **pleasurable** excitement.

## sever

*v.* to break or separate something by cutting, especially suddenly and forcibly

*synonym* : cut apart, separate, detach

(1) **sever** a rope, (2) **sever** a positive relationship

He **severed** a branch from a tree quickly.

## exploration

*n.* the activity of searching and finding out about something through a place

*synonym* : inquiry, quest, investigation

(1) future of space **exploration**, (2) an Arctic **exploration**

He called for a careful **exploration** of the consequences.

## engagement

*n.* a mutual promise to marry someone; an agreement to do something, especially at a particular time

*synonym* : betrothal, promise, commitment

(1) a prior **engagement**, (2) break off an **engagement**

They selected a gorgeous diamond **engagement** ring.

## adolescent

*n.* a young person who is in the process of developing from a child into an adult

*synonym* : teen, preadult, youth

(1) **adolescent** girl, (2) pre- **adolescent** children

Timely education about birth control might help reduce **adolescent** pregnancies.

## cortex

*n.* the outermost layer of an organ, especially the brain

(1) **cortex** cells, (2) visual **cortex** neuron

The cerebral **cortex** consists of six layers.

## timeline

*n.* a series of events arranged in chronological order and displayed along a line, usually drawn left to right or top to bottom

*synonym* : agenda, timetable, chronology

(1) **timeline** of science history, (2) lay out a **timeline**

He imposed a **timeline** on the project.

## impose

*v.* to officially force a new law, tax, duty, etc. to be obeyed or received

*synonym* : charge, levy, foist

(1) **impose** harsher sanctions, (2) **impose** tariffs

The problem with achievement tests is the narrowness they **impose** on students.

## regulation

*n.* an official rule made and maintained by a government or some other authority; the act of controlling or directing something according to a rule

*synonym* : constraint, restriction, rule

(1) a company **regulation**, (2) **regulation** by the government

The **regulation** approved by Congress was perfunctorily implemented.

## impulse

*n.* a sudden strong and unreflective wish or need to do something; the electrical discharge that travels along a nerve fiber

*synonym* : stimulation, provocation, urge

(1) a combative **impulse**, (2) profound religious **impulses**

Nerve **impulses** cross a synapse through the action of neurotransmitters.

## unfair

*adj.* not giving equal treatment or opportunities to people involved; marked by injustice, partiality, or deception

*synonym* : wrongful, biased, dishonest

(1) **unfair** employment practices, (2) have an **unfair** advantage

In a democracy, it is necessary to monitor the judiciary to see

if it is making **unfair** decisions.

## stereotype

*n.* a fixed and unvarying idea or image that people have about what someone or something is like, but which is often not true in reality and may cause hurt and offense

(1) avoid **stereotype**, (2) negative **stereotypes**

Changing **stereotypes** about LGBTQ requires considerable effort.

## rash

*n.* any red spot of the skin, caused by a disease or reaction to something; (adjective) marked by defiance and not caring about risk or consequences

*synonym*: hives, inflammation, roseola

(1) develop a **rash**, (2) prevent diaper **rash**

The strong sunlight brought her out in an itchy **rash**.

## impulsive

*adj.* acting suddenly without any planning and without considering the effects they may have

*synonym*: abrupt, hasty, capricious

(1) an **impulsive** force, (2) do **impulsive** buying

He regrets the **impulsive** behavior he took in his drunken state.

## lengthy

*adj.* tediously continuing for a long time; very long in time or size

*synonym*: extended, interminable, long

(1) to be a **lengthy** process, (2) **lengthy** load times

The **lengthy** medical treatment had weakened his muscles.

## adaptable

*adj.* able or willing to modify or be modified to deal with new situations

*synonym*: flexible, adjustable, elastic

(1) **adaptable** enough for the environment, (2) an **adaptable** person

We seek a candidate who possesses **adaptable** fighting potential.

## identity

*n.* the fact of being who or what somebody or something is; the features, emotions, or ideas that distinguish persons from one another

*synonym* : character, personality, individuality

(1) mistaken **identity**, (2) **identity** as an individual

The terrorist's **identity** remains unknown.

## unanswered

*adj.* not responded to or explained

*synonym* : ignored, unrequited, undecided

(1) **unanswered** love, (2) **unanswered** e-mail

Pardon me for leaving some of your questions **unanswered**.

## initial

*adj.* of or happening at the beginning; (noun) the first letter of a word, especially a person's name

*synonym* : basic, primary, beginning

(1) **initial** velocity, (2) an **initial** letter

They took the **initial** step toward reconciliation.

## onset

*n.* the beginning or early stages of unpleasant something; a military attack

*synonym* : beginning, attack, commencement

(1) at the first **onset**, (2) the **onset** of spring

This medicine works best when taken at the **onset** of a cold.

## shifting

*adj.* constantly changing or moving

*synonym* : unfirm, shifty, fluctuating

(1) **shifting** balance, (2) continuously **shifting** landscape

Trends in the fashion industry are so **shifting** that it is challenging to keep up with them.

## influential

*adj.* having significant impact or power on someone or something

*synonym* : potent, significant, meaningful

(1) an **influential** newspaper, (2) an **influential** politician

Early childhood experiences are very **influential** for people.

## boundary

*n.* a real or imaginary line that marks the limit or extent of something and separates it from other things or places

*synonym*: border, frontier, limitation

(1) geographical **boundary**, (2) the **boundary** between reality and fantasy

He wandered the **boundary** between life and death by gunfire.

## ultimate

*adj.* furthest or highest in degree or order

*synonym*: highest, maximum, foremost

(1) the **ultimate** goal in life, (2) the **ultimate** luxury

Management must take **ultimate** responsibility for the accident.

## steer

*v.* to control the direction or movement of a vehicle; to direct a course of action; to guide or motivate someone

*synonym*: guide, direct, control

(1) **steer** a steady course, (2) **steer** a conversation

The captain told him to **steer** the ship north.

## Session 2: Spelling

1. li\_\_\_c epilepsy *adj.* of or relating to the system of the brain that supports a variety of functions, including emotion, behavior, long-term memory, and olfaction
2. an inf\_\_\_\_\_al politician *adj.* having significant impact or power on someone or something
3. deputy pr\_\_e minister *adj.* main or most important; basic
4. un\_\_\_r employment practices *adj.* not giving equal treatment or opportunities to people involved; marked by injustice, partiality, or deception
5. chaotic env\_\_\_\_\_nt *n.* the natural world such as air, water, and land in which humans, animals, and plants live
6. cellular re\_\_\_\_\_or *n.* an organ having nerve endings that respond to stimulation such as heat or cold and makes the body react in a particular way
7. an in\_\_\_\_\_l letter *adj.* of or happening at the beginning; (noun) the first letter of a word, especially a person's name
8. pre-ado\_\_\_\_\_nt children *n.* a young person who is in the process of developing from a child into an adult
9. hyp\_\_\_\_\_mus hemorrhage *n.* a basal part of the brain that autonomically controls body temperature, hunger, and the release of hormones

ANSWERS: 1. limbic, 2. influential, 3. prime, 4. unfair, 5. environment, 6. receptor, 7. initial, 8. adolescent, 9. hypothalamus

10. during rep\_\_\_\_\_ive period      *adj.* connected with the process of reproduction; relating to reproducing babies, young animals, or plants
11. the re\_\_\_d for good works      *n.* a thing given in acknowledgment of service, hard work, achievement, etc.
12. completely fas\_\_\_\_\_ng to me      *adj.* extremely interesting
13. a synthetic derivative of  
tes\_\_\_\_\_one      *n.* a male hormone that is responsible for the development of male secondary sex characteristics
14. ri\_\_n naturally      *v.* to cause something to be fully developed; to become ripe
15. 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
16. re\_\_\_\_\_l portfolio      *v.* to change the structure or form of something
17. a combative im\_\_\_\_\_e      *n.* a sudden strong and unreflective wish or need to do something; the electrical discharge that travels along a nerve fiber
18. ti\_\_\_\_\_ne of science history      *n.* a series of events arranged in chronological order and displayed along a line, usually drawn left to right or top to bottom
19. negative ste\_\_\_\_\_pes      *n.* a fixed and unvarying idea or image that people have about what someone or something is like, but which is often not true in reality and may cause hurt and offense

ANSWERS: 10. reproductive, 11. reward, 12. fascinating, 13. testosterone, 14. ripen, 15. neuron, 16. remodel, 17. impulse, 18. timeline, 19. stereotype

20. form a nu\_\_\_\_\_s
- n.* the central and most important part of something; (biology) a part of the cell containing DNA and RNA and responsible for growth and reproduction; (physics) the very dense central region of an atom
21. 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
22. una\_\_\_\_\_ed e-mail
- adj.* not responded to or explained
23. antagonism of do\_\_\_\_\_ne
- n.* a chemical substance produced by nerve cells as a neurotransmitter; as a drug, it is used to treat shock and hypotension
24. the nu\_\_\_\_\_s of a team
- n.* the central and most important part of something; (biology) a part of the cell containing DNA and RNA and responsible for growth and reproduction; (physics) the very dense central region of an atom
25. ad\_\_\_\_\_le enough for the environment
- adj.* able or willing to modify or be modified to deal with new situations
26. break off an eng\_\_\_\_\_nt
- n.* a mutual promise to marry someone; an agreement to do something, especially at a particular time
27. ri\_\_n the fruit
- v.* to cause something to be fully developed; to become ripe
28. a h\_b of commerce
- n.* the central or main part of a particular place, activity, network, etc.; the central part of a car wheel, fan, propeller, etc., through which the shaft or axle passes

ANSWERS: 20. nucleus, 21. puberty, 22. unanswered, 23. dopamine, 24. nucleus, 25. adaptable, 26. engagement, 27. ripen, 28. hub



29. cause a widespread se\_\_\_\_\_on      *n.* a feeling associated with stimulation of a sense organ or with a specific body condition; a general feeling of interest and excitement
30. id\_\_\_\_\_ty as an individual      *n.* the fact of being who or what somebody or something is; the features, emotions, or ideas that distinguish persons from one another
31. profound religious im\_\_\_\_\_es      *n.* a sudden strong and unreflective wish or need to do something; the electrical discharge that travels along a nerve fiber
32. p\_\_r review      *n.* a person who has the same age, status, or ability
33. the ul\_\_\_\_\_te goal in life      *adj.* furthest or highest in degree or order
34. al\_\_r a decision      *v.* to cause to change or make different
35. cells of the nucleus ac\_\_\_\_\_ns      *n.* (nucleus accumbens) an area of the brain located in the basal forebrain that has a significant role in the cognitive processing of motivation, aversion, reward
36. al\_\_r data in a file      *v.* to cause to change or make different
37. es\_\_\_\_\_en-responsive breast cancer      *n.* a category of female steroid sex hormone responsible for the development and regulation of the female reproductive system and secondary sex characteristics
38. prevent diaper r\_\_h      *n.* any red spot of the skin, caused by a disease or reaction to something; (adjective) marked by defiance and not caring about risk or consequences

ANSWERS: 29. sensation, 30. identity, 31. impulse, 32. peer, 33. ultimate, 34. alter, 35. accumbens, 36. alter, 37. estrogen, 38. rash

39. ov\_\_\_\_\_ok a street      *v.* to fail to notice something; to watch over someone; to provide a view from above
40. permanent br\_\_n damage      *n.* the organ inside the head that is responsible for one's movement, thought, memory, and feeling
41. an Arctic exp\_\_\_\_\_on      *n.* the activity of searching and finding out about something through a place
42. 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
43. ex\_\_\_\_\_ed vacation      *adj.* longer than usual or anticipated
44. to be a le\_\_\_\_\_y process      *adj.* tediously continuing for a long time; very long in time or size
45. nucleus ac\_\_\_\_\_ns neurons      *n.* (nucleus accumbens) an area of the brain located in the basal forebrain that has a significant role in the cognitive processing of motivation, aversion, reward
46. rep\_\_\_\_\_ive ability      *adj.* connected with the process of reproduction; relating to reproducing babies, young animals, or plants
47. the great di\_\_\_\_\_ry of the century      *n.* the act or process of finding information, a place, or an object, or learning about something that was previously not known
48. le\_\_\_\_\_y load times      *adj.* tediously continuing for a long time; very long in time or size

ANSWERS: 39. overlook, 40. brain, 41. exploration, 42. ovary, 43. extended, 44. lengthy, 45. accumbens, 46. reproductive, 47. discovery, 48. lengthy

49. ma\_\_\_\_\_l place *adj.* produced by or containing supernatural powers
50. in\_\_\_\_\_ct with one another *v.* to communicate or react with somebody
51. the decline in am\_\_\_\_\_la activity *n.* one of two parts of the almond-shaped neural structure that are linked to emotions, especially fear and pleasure, memory, and the sense of smell
52. co\_\_\_\_\_x cells *n.* the outermost layer of an organ, especially the brain
53. an inf\_\_\_\_\_al newspaper *adj.* having significant impact or power on someone or something
54. non-ex\_\_\_\_\_le cell *adj.* easily responding to something new or stimuli
55. the bo\_\_\_\_\_ry between reality and fantasy *n.* a real or imaginary line that marks the limit or extent of something and separates it from other things or places
56. education h\_b *n.* the central or main part of a particular place, activity, network, etc.; the central part of a car wheel, fan, propeller, etc., through which the shaft or axle passes
57. a company reg\_\_\_\_\_on *n.* an official rule made and maintained by a government or some other authority; the act of controlling or directing something according to a rule
58. avoid ste\_\_\_\_\_pe *n.* a fixed and unvarying idea or image that people have about what someone or something is like, but which is often not true in reality and may cause hurt and offense

ANSWERS: 49. magical, 50. interact, 51. amygdala, 52. cortex, 53. influential, 54. excitable, 55. boundary, 56. hub, 57. regulation, 58. stereotype

59. pr\_\_e number *adj.* main or most important; basic
60. do im\_\_\_\_\_ve buying *adj.* acting suddenly without any planning and without considering the effects they may have
61. geographical bo\_\_\_\_\_ry *n.* a real or imaginary line that marks the limit or extent of something and separates it from other things or places
62. future of space exp\_\_\_\_\_on *n.* the activity of searching and finding out about something through a place
63. do li\_\_\_\_\_se *adv.* in the same way
64. se\_\_r a rope *v.* to break or separate something by cutting, especially suddenly and forcibly
65. the tra\_\_\_\_\_ion of a tadpole into a frog *n.* a complete change in form, nature, or appearance of someone or something
66. em\_\_\_\_\_al health *adj.* relating to people's feelings
67. ado\_\_\_\_\_nt girl *n.* a young person who is in the process of developing from a child into an adult
68. 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
69. a scientific di\_\_\_\_\_ry *n.* the act or process of finding information, a place, or an object, or learning about something that was previously not known
70. re\_\_\_\_\_l the car *v.* to change the structure or form of something

ANSWERS: 59. prime, 60. impulsive, 61. boundary, 62. exploration, 63. likewise, 64. sever, 65. transformation, 66. emotional, 67. adolescent, 68. ovary, 69. discovery, 70. remodel

71. re\_\_\_\_\_e education policy      *v.* to change the form or structure of something
72. visual co\_\_\_\_x neuron      *n.* the outermost layer of an organ, especially the brain
73. un\_\_\_\_\_o surgery      *v.* to go through something unpleasant or that involves a change
74. in\_\_\_\_\_l velocity      *adj.* of or happening at the beginning; (noun) the first letter of a word, especially a person's name
75. taste se\_\_\_\_\_on      *n.* a feeling associated with stimulation of a sense organ or with a specific body condition; a general feeling of interest and excitement
76. im\_\_\_\_e harsher sanctions      *v.* to officially force a new law, tax, duty, etc. to be obeyed or received
77. hi\_\_h up my trousers      *v.* to move something into a different position jerkily; to travel by getting free rides from motorists; to hook or entangle
78. tes\_\_\_\_\_one enhancer      *n.* a male hormone that is responsible for the development of male secondary sex characteristics
79. st\_\_r a steady course      *v.* to control the direction or movement of a vehicle; to direct a course of action; to guide or motivate someone
80. ma\_\_\_\_\_l powers      *adj.* produced by or containing supernatural powers
81. blo\_\_\_\_\_am in an artery      *n.* the blood flowing through the body

ANSWERS: 71. reshape, 72. cortex, 73. undergo, 74. initial, 75. sensation, 76. impose, 77. hitch, 78. testosterone, 79. steer, 80. magical, 81. bloodstream

82. ex\_\_\_\_\_ed payment *adj.* longer than usual or anticipated
83. afraid to show em\_\_\_\_\_n *n.* a strong feeling such as love, anger, etc. deriving from one's situation, mood, or relationships with others
84. res\_\_\_\_\_re my debts *v.* to organize a company, business, or system in a new and different way to make it work more effectively
85. con\_\_\_\_\_nt location *adj.* useful, helpful, or quick to do
86. basic br\_\_n function *n.* the organ inside the head that is responsible for one's movement, thought, memory, and feeling
87. p\_\_r group *n.* a person who has the same age, status, or ability
88. have a very ple\_\_\_\_\_le time *adj.* giving satisfaction or pleasure; enjoyable
89. un\_\_\_\_\_o a decrease *v.* to go through something unpleasant or that involves a change
90. please revise li\_\_\_\_\_se *adv.* in the same way
91. de\_\_\_t smuggling across borders *v.* to find or recognize something, especially something difficult to see, hear, etc.
92. do\_\_\_\_\_ne-inhibiting agent *n.* a chemical substance produced by nerve cells as a neurotransmitter; as a drug, it is used to treat shock and hypotension
93. a prior eng\_\_\_\_\_nt *n.* a mutual promise to marry someone; an agreement to do something, especially at a particular time

ANSWERS: 82. extended, 83. emotion, 84. restructure, 85. convenient, 86. brain, 87. peer, 88. pleasurable, 89. undergo, 90. likewise, 91. detect, 92. dopamine, 93. engagement

94. una\_\_\_\_\_ed love *adj.* not responded to or explained
95. re\_\_\_\_\_e my thoughts *v.* to change the form or structure of something
96. continuously sh\_\_\_\_\_ng landscape *adj.* constantly changing or moving
97. se\_\_r a positive relationship *v.* to break or separate something by cutting, especially suddenly and forcibly
98. develop a r\_\_h *n.* any red spot of the skin, caused by a disease or reaction to something; (adjective) marked by defiance and not caring about risk or consequences
99. st\_\_r a conversation *v.* to control the direction or movement of a vehicle; to direct a course of action; to guide or motivate someone
100. reg\_\_\_\_\_on by the government *n.* an official rule made and maintained by a government or some other authority; the act of controlling or directing something according to a rule
101. shopping re\_\_\_\_ds cards *n.* a thing given in acknowledgment of service, hard work, achievement, etc.
102. a ple\_\_\_\_\_le experience *adj.* giving satisfaction or pleasure; enjoyable
103. em\_\_\_\_\_al distress *adj.* relating to people's feelings
104. li\_\_\_c cortex *adj.* of or relating to the system of the brain that supports a variety of functions, including emotion, behavior, long-term memory, and olfaction
105. an ad\_\_\_\_\_le person *adj.* able or willing to modify or be modified to deal with new situations

ANSWERS: 94. unanswered, 95. reshape, 96. shifting, 97. sever, 98. rash, 99. steer, 100. regulation, 101. reward, 102. pleasurable, 103. emotional, 104. limbic, 105. adaptable

106. hi\_\_h a ride *v.* to move something into a different position jerkily; to travel by getting free rides from motorists; to hook or entangle
107. the ul\_\_\_\_te luxury *adj.* furthest or highest in degree or order
108. sh\_\_\_\_ng balance *adj.* constantly changing or moving
109. con\_\_\_\_nt way *adj.* useful, helpful, or quick to do
110. blo\_\_\_\_am to the brain *n.* the blood flowing through the body
111. es\_\_\_\_en receptor *n.* a category of female steroid sex hormone responsible for the development and regulation of the female reproductive system and secondary sex characteristics
112. lay out a ti\_\_\_\_ne *n.* a series of events arranged in chronological order and displayed along a line, usually drawn left to right or top to bottom
113. in\_\_\_\_ct directly with customers *v.* to communicate or react with somebody
114. have an un\_\_\_\_r advantage *adj.* not giving equal treatment or opportunities to people involved; marked by injustice, partiality, or deception
115. the on\_\_t of spring *n.* the beginning or early stages of unpleasant something; a military attack
116. control my em\_\_\_\_n *n.* a strong feeling such as love, anger, etc. deriving from one's situation, mood, or relationships with others

ANSWERS: 106. hitch, 107. ultimate, 108. shifting, 109. convenient, 110. bloodstream, 111. estrogen, 112. timeline, 113. interact, 114. unfair, 115. onset, 116. emotion



117. anterior hyp\_\_\_\_\_mus                    *n.* a basal part of the brain that autonomically controls body temperature, hunger, and the release of hormones
118. cast a tra\_\_\_\_\_ion spell                    *n.* a complete change in form, nature, or appearance of someone or something
119. re\_\_\_\_\_or for HIV in humans                    *n.* an organ having nerve endings that respond to stimulation such as heat or cold and makes the body react in a particular way
120. ho\_\_\_\_\_e secretion                    *n.* a chemical substance made by organs that encourages or influences the development, growth, sex, etc., of an animal and is carried around the body in the blood
121. 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
122. fas\_\_\_\_\_ng story                    *adj.* extremely interesting
123. mistaken id\_\_\_\_\_ty                    *n.* the fact of being who or what somebody or something is; the features, emotions, or ideas that distinguish persons from one another
124. tr\_\_\_\_\_r inflation                    *v.* to make something happen suddenly; to cause something such as a device, machine, etc. to function
125. an im\_\_\_\_\_ve force                    *adj.* acting suddenly without any planning and without considering the effects they may have

ANSWERS: 117. hypothalamus, 118. transformation, 119. receptor, 120. hormone, 121. neuron, 122. fascinating, 123. identity, 124. trigger, 125. impulsive

126. im\_\_\_e tariffs *v.* to officially force a new law, tax, duty, etc. to be obeyed or received
127. female ho\_\_\_\_\_e *n.* a chemical substance made by organs that encourages or influences the development, growth, sex, etc., of an animal and is carried around the body in the blood
128. tr\_\_\_\_\_r a biochemical response *v.* to make something happen suddenly; to cause something such as a device, machine, etc. to function
129. ov\_\_\_\_\_ok that fact *v.* to fail to notice something; to watch over someone; to provide a view from above
130. at the first on\_\_t *n.* the beginning or early stages of unpleasant something; a military attack
131. 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
132. de\_\_\_t a bad event *v.* to find or recognize something, especially something difficult to see, hear, etc.
133. am\_\_\_\_\_la damage *n.* one of two parts of the almond-shaped neural structure that are linked to emotions, especially fear and pleasure, memory, and the sense of smell
134. env\_\_\_\_\_nt affairs *n.* the natural world such as air, water, and land in which humans, animals, and plants live

ANSWERS: 126. impose, 127. hormone, 128. trigger, 129. overlook, 130. onset, 131. puberty, 132. detect, 133. amygdala, 134. environment

135. an ex\_\_\_\_\_le people

*adj.* easily responding to something new or stimuli

136. res\_\_\_\_\_re sentence

*v.* to organize a company, business, or system in a new and different way to make it work more effectively

ANSWERS: 135. excitable, 136. restructure

## Session 3: Fill in the Blanks

1. If you apply this ointment, you may feel a mild burning \_\_\_\_\_.  
*n.* a feeling associated with stimulation of a sense organ or with a specific body condition; a general feeling of interest and excitement
2. DNA is stored in the \_\_\_\_\_ of a cell.  
*n.* the central and most important part of something; (biology) a part of the cell containing DNA and RNA and responsible for growth and reproduction; (physics) the very dense central region of an atom
3. He should \_\_\_\_\_ more with his colleagues.  
*v.* to communicate or react with somebody
4. Our marital life was full of happiness and \_\_\_\_\_ excitement.  
*adj.* giving satisfaction or pleasure; enjoyable
5. The problem with achievement tests is the narrowness they \_\_\_\_\_ on students.  
*v.* to officially force a new law, tax, duty, etc. to be obeyed or received
6. 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
7. The doctor diagnosed me with a \_\_\_\_\_ disorder.  
*n.* a chemical substance made by organs that encourages or influences the development, growth, sex, etc., of an animal and is carried around the body in the blood

ANSWERS: 1. sensation, 2. nucleus, 3. interact, 4. pleasurable, 5. impose, 6. ovary, 7. hormone

8. He regrets the \_\_\_\_\_ behavior he took in his drunken state.  
*adj.* acting suddenly without any planning and without considering the effects they may have
9. He has an \_\_\_\_\_ temperament.  
*adj.* easily responding to something new or stimuli
10. His tireless efforts \_\_\_\_\_ into success.  
*v.* to cause something to be fully developed; to become ripe
11. We seek a candidate who possesses \_\_\_\_\_ fighting potential.  
*adj.* able or willing to modify or be modified to deal with new situations
12. The museum houses a \_\_\_\_\_ collection of Celtic artifacts.  
*adj.* extremely interesting
13. Pardon me for leaving some of your questions \_\_\_\_\_.  
*adj.* not responded to or explained
14. The drug controls the level of \_\_\_\_\_ in the brain.  
*n.* a chemical substance produced by nerve cells as a neurotransmitter; as a drug, it is used to treat shock and hypotension
15. Trends in the fashion industry are so \_\_\_\_\_ that it is challenging to keep up with them.  
*adj.* constantly changing or moving
16. Changing \_\_\_\_\_ about LGBTQ requires considerable effort.  
*n.* a fixed and unvarying idea or image that people have about what someone or something is like, but which is often not true in reality and may cause hurt and offense

ANSWERS: 8. impulsive, 9. excitable, 10. ripen, 11. adaptable, 12. fascinating, 13. unanswered, 14. dopamine, 15. shifting, 16. stereotypes

17. The security camera has \_\_\_\_\_ four intruders.  
*v.* to find or recognize something, especially something difficult to see, hear, etc.
18. They selected a gorgeous diamond \_\_\_\_\_ ring.  
*n.* a mutual promise to marry someone; an agreement to do something, especially at a particular time
19. Human \_\_\_\_\_ responses vary widely depending on the society to which they belong.  
*adj.* relating to people's feelings
20. After a thorough investigation, she has been named as the \_\_\_\_\_ suspect.  
*adj.* main or most important; basic
21. Understanding unitary \_\_\_\_\_ of a normal matrix require considerable mathematical sophistication.  
*n.* a complete change in form, nature, or appearance of someone or something
22. This documentary deals with the \_\_\_\_\_ biology of the buffalo.  
*adj.* connected with the process of reproduction; relating to reproducing babies, young animals, or plants
23. The captain told him to \_\_\_\_\_ the ship north.  
*v.* to control the direction or movement of a vehicle; to direct a course of action; to guide or motivate someone
24. We cannot \_\_\_\_\_ an opportunity for great success.  
*v.* to fail to notice something; to watch over someone; to provide a view from above

ANSWERS: 17. detected, 18. engagement, 19. emotional, 20. prime, 21. transformations, 22. reproductive, 23. steer, 24. overlook

25. Her research team made an important \_\_\_\_\_.
- n.* the act or process of finding information, a place, or an object, or learning about something that was previously not known
26. Some \_\_\_\_\_ are common across cultures and backgrounds.
- n.* a strong feeling such as love, anger, etc. deriving from one's situation, mood, or relationships with others
27. The airport offers five \_\_\_\_\_ access routes.
- adj.* useful, helpful, or quick to do
28. Among young people, \_\_\_\_\_ pressure can be pretty influential.
- n.* a person who has the same age, status, or ability
29. The older woman also suffers bone loss caused by \_\_\_\_\_ deficiency.
- n.* a category of female steroid sex hormone responsible for the development and regulation of the female reproductive system and secondary sex characteristics
30. Cancer cells are often carried throughout the body by the \_\_\_\_\_.
- n.* the blood flowing through the body
31. Training with sufficient intensity increases blood \_\_\_\_\_ levels.
- n.* a male hormone that is responsible for the development of male secondary sex characteristics
32. They took the \_\_\_\_\_ step toward reconciliation.
- adj.* of or happening at the beginning; (noun) the first letter of a word, especially a person's name

ANSWERS: 25. discovery, 26. emotions, 27. convenient, 28. peer, 29. estrogen, 30. bloodstream, 31. testosterone, 32. initial

33. The cerebral \_\_\_\_\_ consists of six layers.  
*n.* the outermost layer of an organ, especially the brain
34. He \_\_\_\_\_ a branch from a tree quickly.  
*v.* to break or separate something by cutting, especially suddenly and forcibly
35. Dopamine is released into the nucleus \_\_\_\_\_.  
*n.* (nucleus accumbens) an area of the brain located in the basal forebrain that has a significant role in the cognitive processing of motivation, aversion, reward
36. Timely education about birth control might help reduce \_\_\_\_\_ pregnancies.  
*n.* a young person who is in the process of developing from a child into an adult
37. This airport has taken the first step to become an international \_\_\_\_ airport.  
*n.* the central or main part of a particular place, activity, network, etc.; the central part of a car wheel, fan, propeller, etc., through which the shaft or axle passes
38. The advent of the Internet completely \_\_\_\_\_ the manufacturing industry.  
*v.* to change the form or structure of something
39. The \_\_\_\_\_ has been associated with memories of past emotional events.  
*n.* one of two parts of the almond-shaped neural structure that are linked to emotions, especially fear and pleasure, memory, and the sense of smell
40. 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

ANSWERS: 33. cortex, 34. severed, 35. accumbens, 36. adolescent, 37. hub, 38. reshaped, 39. amygdala, 40. neuron



41. The strong sunlight brought her out in an itchy \_\_\_\_\_.  
*n.* any red spot of the skin, caused by a disease or reaction to something;  
(adjective) marked by defiance and not caring about risk or consequences
42. Every human is responsible for taking care of the Earth's \_\_\_\_\_.  
*n.* the natural world such as air, water, and land in which humans, animals, and plants live
43. Nerve \_\_\_\_\_ cross a synapse through the action of neurotransmitters.  
*n.* a sudden strong and unreflective wish or need to do something; the electrical discharge that travels along a nerve fiber
44. Management must take \_\_\_\_\_ responsibility for the accident.  
*adj.* furthest or highest in degree or order
45. The economic downturn made it necessary to \_\_\_\_\_ the business.  
*v.* to organize a company, business, or system in a new and different way to make it work more effectively
46. The \_\_\_\_\_ airport runways may accommodate larger jets.  
*adj.* longer than usual or anticipated
47. When I was a child, my mother often cast \_\_\_\_\_ spells to ease my pain whenever I was injured.  
*adj.* produced by or containing supernatural powers
48. The mechanics \_\_\_\_\_ the trailer to the broken-down car.  
*v.* to move something into a different position jerkily; to travel by getting free rides from motorists; to hook or entangle

ANSWERS: 41. rash, 42. environment, 43. impulses, 44. ultimate, 45. restructure, 46. extended, 47. magical, 48. hitched

49. The incident \_\_\_\_\_ a political controversy.

- v.* to make something happen suddenly; to cause something such as a device, machine, etc. to function

50. The \_\_\_\_\_ medical treatment had weakened his muscles.

- adj.* tediously continuing for a long time; very long in time or size

51. The \_\_\_\_\_ brain region responded readily to negative or sad sounds.

- adj.* of or relating to the system of the brain that supports a variety of functions, including emotion, behavior, long-term memory, and olfaction

52. Oxytocin is also produced in the nucleus of the \_\_\_\_\_.

- n.* a basal part of the brain that autonomically controls body temperature, hunger, and the release of hormones

53. Hay fever occurs when a substance called histamine binds to \_\_\_\_\_ in the nose and eyes.

- n.* an organ having nerve endings that respond to stimulation such as heat or cold and makes the body react in a particular way

54. X-rays revealed a small tumor in his \_\_\_\_\_.

- n.* the organ inside the head that is responsible for one's movement, thought, memory, and feeling

55. He wandered the \_\_\_\_\_ between life and death by gunfire.

- n.* a real or imaginary line that marks the limit or extent of something and separates it from other things or places

56. In a democracy, it is necessary to monitor the judiciary to see if it is making \_\_\_\_\_ decisions.

- adj.* not giving equal treatment or opportunities to people involved; marked by injustice, partiality, or deception

ANSWERS: 49. triggered, 50. lengthy, 51. limbic, 52. hypothalamus, 53. receptors, 54. brain, 55. boundary, 56. unfair

57. Night fishing has a lot of \_\_\_\_\_.

*n.* a thing given in acknowledgment of service, hard work, achievement, etc.

58. This medicine works best when taken at the \_\_\_\_\_ of a cold.

*n.* the beginning or early stages of unpleasant something; a military attack

59. 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

60. He called for a careful \_\_\_\_\_ of the consequences.

*n.* the activity of searching and finding out about something through a place

61. The terrorist's \_\_\_\_\_ remains unknown.

*n.* the fact of being who or what somebody or something is; the features, emotions, or ideas that distinguish persons from one another

62. The design of the webpage has \_\_\_\_\_ slightly.

*v.* to cause to change or make different

63. The train has to \_\_\_\_\_ rigorous safety checks.

*v.* to go through something unpleasant or that involves a change

64. He is tall and \_\_\_\_\_ strong.

*adv.* in the same way

65. He imposed a \_\_\_\_\_ on the project.

*n.* a series of events arranged in chronological order and displayed along a line, usually drawn left to right or top to bottom

ANSWERS: 57. rewards, 58. onset, 59. puberty, 60. exploration, 61. identity, 62. altered, 63. undergo, 64. likewise, 65. timeline

66. The \_\_\_\_\_ approved by Congress was perfunctorily implemented.

*n.* an official rule made and maintained by a government or some other authority;  
the act of controlling or directing something according to a rule

67. Early childhood experiences are very \_\_\_\_\_ for people.

*adj.* having significant impact or power on someone or something

68. We are \_\_\_\_\_ these rooms now.

*v.* to change the structure or form of something

ANSWERS: 66. regulation, 67. influential, 68. remodeling