

# Englist.me



## Vocabulary Builder Reference from...

*Grégoire Courtine: The paralyzed rat that walked | TED Talk*

[https://www.ted.com/talks/gregoire\\_courtine\\_the\\_paralyzed\\_rat\\_that\\_walked](https://www.ted.com/talks/gregoire_courtine_the_paralyzed_rat_that_walked)

### Advanced Words Only

#### IMPORTANT

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## Session 1: Word List

### neuroscience

*n.* the scientific study of the function, structure, and disorder of the brain and the nervous system

(1) the branch of **neuroscience**, (2) a theoretical concept in **neuroscience**

Our university is famous for its professors, who are well-versed in behavioral **neuroscience**.

### 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.

### pragmatic

*adj.* practical rather than idealistic

*synonym*: practical, realistic, down-to-earth

(1) **pragmatic** approach, (2) **pragmatic** politics

He was a **pragmatic** leader who made decisions based on what was practical rather than ideal.

### rehabilitate

*v.* to restore to good health or physical condition; to help someone return to a normal life, especially after a period of illness, addiction, or imprisonment

*synonym*: reform, restore, renovate

(1) **rehabilitate** prisoners, (2) **rehabilitate** wildlife

The organization works to **rehabilitate** drug addicts and help them rebuild their lives.

## mimic

*v.* to imitate someone's speech, movement, or behavior, especially to make others laugh

*synonym*: mirror, imitate, ape

(1) **mimic** a human voice, (2) **mimic** numerous instruments

He is very popular at school because he can **mimic** all the teachers' accents.

## hemispatial

*n.* of or relating to one side of observed space, especially one side of the brain

(1) patients with left-sided **hemispatial** neglect, (2) the effect on **hemispatial** neglect

Patients could get **hemispatial** neglect syndrome after a stroke.

## paralysis

*n.* a condition in which you are unable to move or lose control of part or most of the body because of illness or injury

*synonym*: immobility, stiffness, palsy

(1) moral **paralysis**, (2) **paralysis** in the leg

Massive demonstrations lead to total **paralysis** of transportation.

## 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.

## locomotion

*n.* the action or ability to move from one place to another

*synonym*: movement, travel, mobility

(1) **locomotion** system, (2) **locomotion** control

The **locomotion** of the robotic arm was smooth and precise.

## dormant

*adj.* in a state of temporary inactivity, rest, or sleep; not growing or progressing but capable of doing so under the right circumstances

*synonym* : inactive, sleeping, quiescent

(1) **dormant** volcano, (2) **dormant** account

The disease can remain **dormant** for years before it presents any symptoms.

## awaken

*v.* to stop sleeping or to cause someone to stop sleeping

*synonym* : rouse, arouse, revive

(1) **awaken** at daybreak, (2) **awaken** a child

The friend's death **awakens** them.

## simplistic

*adj.* oversimplified or lacking in complexity or depth; characterized by an attempt to explain something complex or multifaceted with overly vague or simple terms

*synonym* : basic, uncomplicated, elementary

(1) **simplistic** approach, (2) **simplistic** design

The politician's solution to the problem was too **simplistic** to solve the underlying issue.

## locomote

*v.* to move or travel from one place to another, especially using wheels or legs

*synonym* : move, travel, go

(1) **locomote** from one place to another, (2) **locomote** on foot

The only way to **locomote** through the rugged terrain was on foot.

## 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.

## 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.

## painless

*adj.* causing little or no physical discomfort; not causing pain or discomfort

*synonym* : pain-free, effortless, easy

(1) **painless** childbirth, (2) **painless** procedure

Thanks to the new dental anesthesia technique, filling is now **painless**.

## electrochemistry

*n.* the branch of physical chemistry concerned with the relations between electrical and chemical phenomena

(1) **electrochemistry** device, (2) **electrochemistry** element

Many electric vehicle companies now employ **electrochemistry** capacitors for circuits.

## prosthetic

*adj.* of or relating to an artificial part of the body, such as a limb, a heart, or a breast implant

(1) have **prosthetic** arms, (2) **prosthetic** limbs

New **prosthetic** joints are less prone to metal poisoning.

## paralyze

*v.* to cause a person or part of the body to become unable to move or feel

*synonym* : immobilize, disable, numb

(1) **paralyze** a city, (2) **paralyze** a person

The venom from the snake bite **paralyzed** his arm.

## treadmill

*n.* a piece of exercise equipment consisting of a moving belt on which the user walks, jogs, or runs in place; a monotonous, repetitive task or activity that feels like it is going nowhere, much like a person walking on a treadmill

*synonym* : exercise machine, routine

(1) **treadmill** workout, (2) nonstop **treadmill**

I like to watch TV while running on the **treadmill** to pass the time.

## **fascinate**

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

*synonym*: captivate, intrigue, mesmerize

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

The magic tricks **fascinated** the children.

## **involuntary**

*adj.* acting or done without or against one's will

*synonym*: coerced, forced, automatic

(1) **involuntary** manslaughter, (2) **involuntary** muscles

The drug's side effects can include **involuntary** loss of urine.

## **robotic**

*adj.* of or relating to mechanical robots; (robotics) the interdisciplinary branch of computer science and engineering with the practical use of robots

*synonym*: automated, mechanical, laborsaving

(1) **robotic** arm, (2) **robotic** guide operation

The surgeon removed the tumor using **robotic** video assistance.

## **extremity**

*n.* the farthest or most remote point or the greatest or the highest degree

*synonym*: end, tip, limit

(1) **extremity** injury, (2) **extremity** amputation

He broke his arm at the **extremity** of the bone.

## **insecure**

*adj.* not firm or firmly fixed; likely to fail or give way, or not assured of safety

*synonym*: uncertain, unsure, unconfident

(1) an **insecure** future, (2) **insecure** attachment

Children in an unstructured environment often feel **insecure**.

## **lesion**

*n.* a damaged or abnormal area of tissue in the body, usually caused by injury or disease

*synonym* : injury, wound, damage

(1) muscle **lesion**, (2) brain **lesion**

The doctor examined the **lesion** on the patient's skin to determine if it was cancerous.

## disappoint

*v.* to fail to meet someone or their hopes or expectations; to make someone feel sad

*synonym* : sadden, dismay, frustrate

(1) **disappoint** the audience, (2) don't **disappoint** me

She worked very hard not to **disappoint** her boss's expectations.

## perseverance

*n.* steadfastness in doing something despite difficulty or delay in achieving success

*synonym* : persistence, tenacity, determination

(1) unwavering **perseverance**, (2) dogged **perseverance**

Despite facing numerous setbacks and obstacles, his **perseverance** and determination led him to success.

## staircase

*n.* a set of stairs inside a building, usually with posts and bars that are fixed at the side

*synonym* : stairway, stairwell

(1) spiral **staircase**, (2) beetle up the **staircase**

She walked urgently down the emergency **staircase**.

## cortical

*adj.* relating to or located in the outer layer of an organ or body structure, particularly the cortex of the brain

(1) **cortical** neurons, (2) **cortical** activity

The MRI showed activity in the **cortical** region of the patient's brain.

## constellation

*n.* a group of stars that form a recognizable pattern and have a name; a group of related or similar ideas, things, or people

*synonym* : asterism, array, pattern

(1) the stars of the Scorpion **constellation**, (2) northern

### **constellation**

Navigators still use the Little Bear **constellation** at sea.

### **synapse**

*n.* the fact or state of failing to finish an activity and of stopping using, making, or doing it

(1) **synapse** circuit, (2) end at a **synapse**

Animals transmit nerve impulses through **synapses**.

### **reconnect**

*v.* to connect again after a break or interruption

*synonym*: reopen, rejoin, link up

(1) **reconnect** a telephone, (2) **reconnect** with family

After a long period of estrangement, they **reconnected** with each other.

### **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.

### **axon**

*n.* a long and slender projection of a nerve cell, or neuron, that sends out signals away from the nerve cell

(1) an **axon** of a nerve cell, (2) the **axon** terminals

We are developing a technology to promote the elongation and regeneration of sensory nerve **axons**.

### **neurobiology**

*n.* a field of biology that studies the structure, function, and development of the nervous system, including the brain, spinal cord, and peripheral nerves encompassing a wide range of research topics, including the molecular and cellular processes involved in neural signaling, the organization of neural circuits, and the neural basis of behavior, cognition, and emotion

*synonym*: brain science, neural science, neurology

(1) **neurobiology** research, (2) cellular **neurobiology**

The professor's research in **neurobiology** has led to groundbreaking discoveries in the field of brain science.

## neurosurgeon

*n.* a medical doctor who specializes in the surgical treatment of conditions affecting the nervous system, including the brain, spinal cord, and peripheral nerves

*synonym* : brain surgeon, neurologist, surgical specialist

(1) skilled **neurosurgeon**, (2) leading **neurosurgeon**

The hospital recruited experienced **neurosurgeons** worldwide to treat complex neurological disorders comprehensively.

## maestro

*n.* a title used to refer to a master or skilled practitioner of a particular art, often used to describe a distinguished musician or conductor; someone who is highly accomplished in their field

*synonym* : master, virtuoso, conductor

(1) guitar **maestro**, (2) orchestral **maestro**

Fortunately, The orchestra had a **maestro** conductor leading them through the complex symphony.

## orchestrate

*v.* to plan, coordinate, or arrange something, especially skillfully or cleverly; (noun) the act of organizing or directing the elements of a composition, especially in music

*synonym* : plan, coordinate, arrange

(1) **orchestrate** a takeover, (2) **orchestrate** the political reinstatement

He carefully **orchestrated** the details of his business plan.

## symphony

*n.* a long musical composition in Western classical music for orchestra, usually with three or four main parts called movements

*synonym* : orchestra, harmony, concert

(1) a **symphony** orchestra, (2) a beautiful **symphony**

The frequent performances of the **symphony** prove its popularity.

## neurological

*adj.* of or relating to the science of neurology or the nervous system

*synonym* :



nervous, neural, brain-related

(1) fever with **neurological** signs, (2) **neurological** symptoms

The patient was diagnosed with a **neurological** disorder affecting their motor skills.

## stimming

*n.* a behavior often exhibited by individuals on the autism spectrum characterized by repetitive bodily movements or sounds, such as hand flapping or rocking, often used as a form of self-regulation or sensory stimulation

*synonym*: self-stimulation, repetitive behaviors

(1) autistic **stimming**, (2) **stimming** therapy

Autistic children may engage in **stimming** behaviors, such as rocking or hand flapping, to self-regulate.

## impair

*v.* to damage something or make it weaker or worse

*synonym*: degrade, mar, deface

(1) **impair** my health, (2) **impair** insulin sensitivity

The accident made his vision **impaired**.

## entice

*v.* to attract or lure someone with something desirable or tempting

*synonym*: lure, tempt, attract

(1) **entice** foreign investment, (2) **entice** shoppers

The salesperson tried to **entice** the customer into buying a new car.

## Session 2: Spelling

1. have pro\_\_\_\_\_ic arms  
*adj.* of or relating to an artificial part of the body, such as a limb, a heart, or a breast implant
2. a sy\_\_\_\_\_ny orchestra  
*n.* a long musical composition in Western classical music for orchestra, usually with three or four main parts called movements
3. ex\_\_\_\_\_ty injury  
*n.* the farthest or most remote point or the greatest or the highest degree
4. st\_\_\_\_\_ng therapy  
*n.* a behavior often exhibited by individuals on the autism spectrum characterized by repetitive bodily movements or sounds, such as hand flapping or rocking, often used as a form of self-regulation or sensory stimulation
5. loc\_\_\_\_\_on system  
*n.* the action or ability to move from one place to another
6. 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
7. end at a sy\_\_\_\_\_e  
*n.* the fact or state of failing to finish an activity and of stopping using, making, or doing it
8. in\_\_\_\_\_re attachment  
*adj.* not firm or firmly fixed; likely to fail or give way, or not assured of safety
9. aw\_\_\_\_n a child  
*v.* to stop sleeping or to cause someone to stop sleeping

ANSWERS: 1. prosthetic, 2. symphony, 3. extremity, 4. stimming, 5. locomotion, 6. steer, 7. synapse, 8. insecure, 9. awaken

10. 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
11. sy\_\_\_\_\_e circuit                      *n.* the fact or state of failing to finish an activity and of stopping using, making, or doing it
12. pa\_\_\_\_\_ze a city                      *v.* to cause a person or part of the body to become unable to move or feel
13. skilled neu\_\_\_\_\_eon                      *n.* a medical doctor who specializes in the surgical treatment of conditions affecting the nervous system, including the brain, spinal cord, and peripheral nerves
14. re\_\_\_\_\_ct with family                      *v.* to connect again after a break or interruption
15. the branch of neu\_\_\_\_\_nce                      *n.* the scientific study of the function, structure, and disorder of the brain and the nervous system
16. an in\_\_\_\_\_re future                      *adj.* not firm or firmly fixed; likely to fail or give way, or not assured of safety
17. tr\_\_\_\_\_ll workout                      *n.* a piece of exercise equipment consisting of a moving belt on which the user walks, jogs, or runs in place; a monotonous, repetitive task or activity that feels like it is going nowhere, much like a person walking on a treadmill
18. lo\_\_\_\_\_te from one place to another                      *v.* to move or travel from one place to another, especially using wheels or legs

ANSWERS: 10. neuron, 11. synapse, 12. paralyze, 13. neurosurgeon, 14. reconnect, 15. neuroscience, 16. insecure, 17. treadmill, 18. locomote

19. co\_\_\_\_al neurons *adj.* relating to or located in the outer layer of an organ or body structure, particularly the cortex of the brain
20. spiral st\_\_\_\_\_se *n.* a set of stairs inside a building, usually with posts and bars that are fixed at the side
21. co\_\_\_\_al activity *adj.* relating to or located in the outer layer of an organ or body structure, particularly the cortex of the brain
22. reh\_\_\_\_\_ate prisoners *v.* to restore to good health or physical condition; to help someone return to a normal life, especially after a period of illness, addiction, or imprisonment
23. autistic st\_\_\_\_\_ng *n.* a behavior often exhibited by individuals on the autism spectrum characterized by repetitive bodily movements or sounds, such as hand flapping or rocking, often used as a form of self-regulation or sensory stimulation
24. inv\_\_\_\_\_ry muscles *adj.* acting or done without or against one's will
25. re\_\_\_\_\_ct a telephone *v.* to connect again after a break or interruption
26. pro\_\_\_\_\_ic limbs *adj.* of or relating to an artificial part of the body, such as a limb, a heart, or a breast implant
27. ele\_\_\_\_\_try device *n.* the branch of physical chemistry concerned with the relations between electrical and chemical phenomena

ANSWERS: 19. cortical, 20. staircase, 21. cortical, 22. rehabilitate, 23. stimming, 24. involuntary, 25. reconnect, 26. prosthetic, 27. electrochemistry

28. mi\_\_c numerous instruments      *v.* to imitate someone's speech, movement, or behavior, especially to make others laugh
29. loc\_\_\_\_\_on control      *n.* the action or ability to move from one place to another
30. brain le\_\_\_n      *n.* a damaged or abnormal area of tissue in the body, usually caused by injury or disease
31. orchestral ma\_\_\_\_\_o      *n.* a title used to refer to a master or skilled practitioner of a particular art, often used to describe a distinguished musician or conductor; someone who is highly accomplished in their field
32. the effect on hem\_\_\_\_\_al neglect      *n.* of or relating to one side of observed space, especially one side of the brain
33. sim\_\_\_\_\_ic approach      *adj.* oversimplified or lacking in complexity or depth; characterized by an attempt to explain something complex or multifaceted with overly vague or simple terms
34. pr\_\_\_\_\_ic approach      *adj.* practical rather than idealistic
35. lo\_\_\_\_\_te on foot      *v.* to move or travel from one place to another, especially using wheels or legs
36. pa\_\_\_\_\_ss childbirth      *adj.* causing little or no physical discomfort; not causing pain or discomfort
37. orc\_\_\_\_\_te the political reinstatement      *v.* to plan, coordinate, or arrange something, especially skillfully or cleverly; (noun) the act of organizing or directing the elements of a composition, especially in music

ANSWERS: 28. mimic, 29. locomotion, 30. lesion, 31. maestro, 32. hemispatial, 33. simplistic, 34. pragmatic, 35. locomote, 36. painless, 37. orchestrate

38. ex\_\_\_\_\_ty amputation *n.* the farthest or most remote point or the greatest or the highest degree
39. orc\_\_\_\_\_te a takeover *v.* to plan, coordinate, or arrange something, especially skillfully or cleverly; (noun) the act of organizing or directing the elements of a composition, especially in music
40. an a\_\_n of a nerve cell *n.* a long and slender projection of a nerve cell, or neuron, that sends out signals away from the nerve cell
41. dis\_\_\_\_\_nt the audience *v.* to fail to meet someone or their hopes or expectations; to make someone feel sad
42. 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
43. cellular neu\_\_\_\_\_ogy *n.* a field of biology that studies the structure, function, and development of the nervous system, including the brain, spinal cord, and peripheral nerves encompassing a wide range of research topics, including the molecular and cellular processes involved in neural signaling, the organization of neural circuits, and the neural basis of behavior, cognition, and emotion
44. aw\_\_\_n at daybreak *v.* to stop sleeping or to cause someone to stop sleeping
45. guitar ma\_\_\_\_\_o *n.* a title used to refer to a master or skilled practitioner of a particular art, often used to describe a distinguished musician or conductor; someone who is highly accomplished in their field

ANSWERS: 38. extremity, 39. orchestrate, 40. axon, 41. disappoint, 42. steer, 43. neurobiology, 44. awaken, 45. maestro

46. inv\_\_\_\_\_ry manslaughter      *adj.* acting or done without or against one's will
47. dogged per\_\_\_\_\_nce      *n.* steadfastness in doing something despite difficulty or delay in achieving success
48. pa\_\_\_\_\_ze a person      *v.* to cause a person or part of the body to become unable to move or feel
49. re\_\_\_\_\_l portfolio      *v.* to change the structure or form of something
50. don't dis\_\_\_\_\_nt me      *v.* to fail to meet someone or their hopes or expectations; to make someone feel sad
51. en\_\_\_e foreign investment      *v.* to attract or lure someone with something desirable or tempting
52. nonstop tr\_\_\_\_\_ll      *n.* a piece of exercise equipment consisting of a moving belt on which the user walks, jogs, or runs in place; a monotonous, repetitive task or activity that feels like it is going nowhere, much like a person walking on a treadmill
53. pa\_\_\_\_\_is in the leg      *n.* a condition in which you are unable to move or lose control of part or most of the body because of illness or injury
54. im\_\_\_r my health      *v.* to damage something or make it weaker or worse
55. ro\_\_\_\_\_c guide operation      *adj.* of or relating to mechanical robots; (robotics) the interdisciplinary branch of computer science and engineering with the practical use of robots

ANSWERS: 46. involuntary, 47. perseverance, 48. paralyze, 49. remodel, 50. disappoint, 51. entice, 52. treadmill, 53. paralysis, 54. impair, 55. robotic

56. fever with neu\_\_\_\_\_cal signs      *adj.* of or relating to the science of neurology or the nervous system
57. pr\_\_\_\_\_ic politics      *adj.* practical rather than idealistic
58. ele\_\_\_\_\_try element      *n.* the branch of physical chemistry concerned with the relations between electrical and chemical phenomena
59. leading neu\_\_\_\_\_eon      *n.* a medical doctor who specializes in the surgical treatment of conditions affecting the nervous system, including the brain, spinal cord, and peripheral nerves
60. northern con\_\_\_\_\_ion      *n.* a group of stars that form a recognizable pattern and have a name; a group of related or similar ideas, things, or people
61. neu\_\_\_\_\_ogy research      *n.* a field of biology that studies the structure, function, and development of the nervous system, including the brain, spinal cord, and peripheral nerves encompassing a wide range of research topics, including the molecular and cellular processes involved in neural signaling, the organization of neural circuits, and the neural basis of behavior, cognition, and emotion
62. do\_\_\_\_\_t account      *adj.* in a state of temporary inactivity, rest, or sleep; not growing or progressing but capable of doing so under the right circumstances
63. reh\_\_\_\_\_ate wildlife      *v.* to restore to good health or physical condition; to help someone return to a normal life, especially after a period of illness, addiction, or imprisonment

ANSWERS: 56. neurological, 57. pragmatic, 58. electrochemistry, 59. neurosurgeon, 60. constellation, 61. neurobiology, 62. dormant, 63. rehabilitate



64. re\_\_\_\_l the car *v.* to change the structure or form of something
65. pa\_\_\_\_ss procedure *adj.* causing little or no physical discomfort; not causing pain or discomfort
66. beetle up the st\_\_\_\_\_se *n.* a set of stairs inside a building, usually with posts and bars that are fixed at the side
67. moral pa\_\_\_\_\_is *n.* a condition in which you are unable to move or lose control of part or most of the body because of illness or injury
68. mi\_\_c a human voice *v.* to imitate someone's speech, movement, or behavior, especially to make others laugh
69. fa\_\_\_\_\_te the public *v.* to attract and hold the attention of someone deeply and irresistibly
70. se\_\_r a positive relationship *v.* to break or separate something by cutting, especially suddenly and forcibly
71. im\_\_r insulin sensitivity *v.* to damage something or make it weaker or worse
72. a theoretical concept in neu\_\_\_\_\_nce *n.* the scientific study of the function, structure, and disorder of the brain and the nervous system
73. the stars of the Scorpion con\_\_\_\_\_ion *n.* a group of stars that form a recognizable pattern and have a name; a group of related or similar ideas, things, or people
74. muscle le\_\_\_n *n.* a damaged or abnormal area of tissue in the body, usually caused by injury or disease

ANSWERS: 64. remodel, 65. painless, 66. staircase, 67. paralysis, 68. mimic, 69. fascinate, 70. sever, 71. impair, 72. neuroscience, 73. constellation, 74. lesion

75. unwavering per\_\_\_\_\_nce *n.* steadfastness in doing something despite difficulty or delay in achieving success
76. traditional me\_\_\_\_\_al *adj.* of or relating to the treatment or cure of disease
77. do\_\_\_\_\_t volcano *adj.* in a state of temporary inactivity, rest, or sleep; not growing or progressing but capable of doing so under the right circumstances
78. patients with left-sided hem\_\_\_\_\_al neglect *n.* of or relating to one side of observed space, especially one side of the brain
79. a beautiful sy\_\_\_\_\_ny *n.* a long musical composition in Western classical music for orchestra, usually with three or four main parts called movements
80. sim\_\_\_\_\_ic design *adj.* oversimplified or lacking in complexity or depth; characterized by an attempt to explain something complex or multifaceted with overly vague or simple terms
81. fa\_\_\_\_\_te the young *v.* to attract and hold the attention of someone deeply and irresistibly
82. se\_\_r a rope *v.* to break or separate something by cutting, especially suddenly and forcibly
83. ro\_\_\_\_\_c arm *adj.* of or relating to mechanical robots; (robotics) the interdisciplinary branch of computer science and engineering with the practical use of robots
84. the a\_\_n terminals *n.* a long and slender projection of a nerve cell, or neuron, that sends out signals away from the nerve cell

ANSWERS: 75. perseverance, 76. medicinal, 77. dormant, 78. hemispatial, 79. symphony, 80. simplistic, 81. fascinate, 82. sever, 83. robotic, 84. axon

85. 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
86. me\_\_\_\_\_al chemistry *adj.* of or relating to the treatment or cure of disease
87. neu\_\_\_\_\_cal symptoms *adj.* of or relating to the science of neurology or the nervous system
88. en\_\_\_e shoppers *v.* to attract or lure someone with something desirable or tempting

ANSWERS: 85. neuron, 86. medicinal, 87. neurological, 88. entice

## Session 3: Fill in the Blanks

1. The accident made his vision \_\_\_\_\_.  
*v.* to damage something or make it weaker or worse
2. The disease can remain \_\_\_\_\_ for years before it presents any symptoms.  
*adj.* in a state of temporary inactivity, rest, or sleep; not growing or progressing but capable of doing so under the right circumstances
3. The venom from the snake bite \_\_\_\_\_ his arm.  
*v.* to cause a person or part of the body to become unable to move or feel
4. The \_\_\_\_\_ of the robotic arm was smooth and precise.  
*n.* the action or ability to move from one place to another
5. New \_\_\_\_\_ joints are less prone to metal poisoning.  
*adj.* of or relating to an artificial part of the body, such as a limb, a heart, or a breast implant
6. The magic tricks \_\_\_\_\_ the children.  
*v.* to attract and hold the attention of someone deeply and irresistibly
7. Many electric vehicle companies now employ \_\_\_\_\_ capacitors for circuits.  
*n.* the branch of physical chemistry concerned with the relations between electrical and chemical phenomena
8. He carefully \_\_\_\_\_ the details of his business plan.  
*v.* to plan, coordinate, or arrange something, especially skillfully or cleverly;  
(noun) the act of organizing or directing the elements of a composition, especially in music

ANSWERS: 1. impaired, 2. dormant, 3. paralyzed, 4. locomotion, 5. prosthetic, 6. fascinated, 7. electrochemistry, 8. orchestrated

9. 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
10. I like to watch TV while running on the \_\_\_\_\_ to pass the time.
- n.* a piece of exercise equipment consisting of a moving belt on which the user walks, jogs, or runs in place; a monotonous, repetitive task or activity that feels like it is going nowhere, much like a person walking on a treadmill
11. Animals transmit nerve impulses through \_\_\_\_\_.
- n.* the fact or state of failing to finish an activity and of stopping using, making, or doing it
12. The frequent performances of the \_\_\_\_\_ prove its popularity.
- n.* a long musical composition in Western classical music for orchestra, usually with three or four main parts called movements
13. 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
14. Massive demonstrations lead to total \_\_\_\_\_ of transportation.
- n.* a condition in which you are unable to move or lose control of part or most of the body because of illness or injury
15. We are developing a technology to promote the elongation and regeneration of sensory nerve \_\_\_\_\_.
- n.* a long and slender projection of a nerve cell, or neuron, that sends out signals away from the nerve cell

ANSWERS: 9. steer, 10. treadmill, 11. synapses, 12. symphony, 13. neuron, 14. paralysis, 15. axons

16. Despite facing numerous setbacks and obstacles, his \_\_\_\_\_ and determination led him to success.
- n.* steadfastness in doing something despite difficulty or delay in achieving success
17. The hospital recruited experienced \_\_\_\_\_ worldwide to treat complex neurological disorders comprehensively.
- n.* a medical doctor who specializes in the surgical treatment of conditions affecting the nervous system, including the brain, spinal cord, and peripheral nerves
18. The only way to \_\_\_\_\_ through the rugged terrain was on foot.
- v.* to move or travel from one place to another, especially using wheels or legs
19. Children in an unstructured environment often feel \_\_\_\_\_.
- adj.* not firm or firmly fixed; likely to fail or give way, or not assured of safety
20. The organization works to \_\_\_\_\_ drug addicts and help them rebuild their lives.
- v.* to restore to good health or physical condition; to help someone return to a normal life, especially after a period of illness, addiction, or imprisonment
21. He was a \_\_\_\_\_ leader who made decisions based on what was practical rather than ideal.
- adj.* practical rather than idealistic
22. The drug's side effects can include \_\_\_\_\_ loss of urine.
- adj.* acting or done without or against one's will
23. The surgeon removed the tumor using \_\_\_\_\_ video assistance.
- adj.* of or relating to mechanical robots; (robotics) the interdisciplinary branch of computer science and engineering with the practical use of robots

ANSWERS: 16. perseverance, 17. neurosurgeons, 18. locomote, 19. insecure, 20. rehabilitate, 21. pragmatic, 22. involuntary, 23. robotic

24. The MRI showed activity in the \_\_\_\_\_ region of the patient's brain.  
*adj.* relating to or located in the outer layer of an organ or body structure, particularly the cortex of the brain
25. He is very popular at school because he can \_\_\_\_\_ all the teachers' accents.  
*v.* to imitate someone's speech, movement, or behavior, especially to make others laugh
26. Fortunately, The orchestra had a \_\_\_\_\_ conductor leading them through the complex symphony.  
*n.* a title used to refer to a master or skilled practitioner of a particular art, often used to describe a distinguished musician or conductor; someone who is highly accomplished in their field
27. After a long period of estrangement, they \_\_\_\_\_ with each other.  
*v.* to connect again after a break or interruption
28. She walked urgently down the emergency \_\_\_\_\_.  
*n.* a set of stairs inside a building, usually with posts and bars that are fixed at the side
29. The salesperson tried to \_\_\_\_\_ the customer into buying a new car.  
*v.* to attract or lure someone with something desirable or tempting
30. She worked very hard not to \_\_\_\_\_ her boss's expectations.  
*v.* to fail to meet someone or their hopes or expectations; to make someone feel sad
31. We are \_\_\_\_\_ these rooms now.  
*v.* to change the structure or form of something

ANSWERS: 24. cortical, 25. mimic, 26. maestro, 27. reconnected, 28. staircase, 29. entice, 30. disappoint, 31. remodeling

32. The \_\_\_\_\_ properties of this herb have been known to help with various ailments.  
*adj.* of or relating to the treatment or cure of disease
33. The patient was diagnosed with a \_\_\_\_\_ disorder affecting their motor skills.  
*adj.* of or relating to the science of neurology or the nervous system
34. The doctor examined the \_\_\_\_\_ on the patient's skin to determine if it was cancerous.  
*n.* a damaged or abnormal area of tissue in the body, usually caused by injury or disease
35. Our university is famous for its professors, who are well-versed in behavioral \_\_\_\_\_.  
*n.* the scientific study of the function, structure, and disorder of the brain and the nervous system
36. Autistic children may engage in \_\_\_\_\_ behaviors, such as rocking or hand flapping, to self-regulate.  
*n.* a behavior often exhibited by individuals on the autism spectrum characterized by repetitive bodily movements or sounds, such as hand flapping or rocking, often used as a form of self-regulation or sensory stimulation
37. The friend's death \_\_\_\_\_ them.  
*v.* to stop sleeping or to cause someone to stop sleeping
38. Patients could get \_\_\_\_\_ neglect syndrome after a stroke.  
*n.* of or relating to one side of observed space, especially one side of the brain

ANSWERS: 32. medicinal, 33. neurological, 34. lesion, 35. neuroscience, 36. stimming, 37. awakens, 38. hemispatial



39. The professor's research in \_\_\_\_\_ has led to groundbreaking discoveries in the field of brain science.
- n.* a field of biology that studies the structure, function, and development of the nervous system, including the brain, spinal cord, and peripheral nerves encompassing a wide range of research topics, including the molecular and cellular processes involved in neural signaling, the organization of neural circuits, and the neural basis of behavior, cognition, and emotion
40. He \_\_\_\_\_ a branch from a tree quickly.
- v.* to break or separate something by cutting, especially suddenly and forcibly
41. Navigators still use the Little Bear \_\_\_\_\_ at sea.
- n.* a group of stars that form a recognizable pattern and have a name; a group of related or similar ideas, things, or people
42. The politician's solution to the problem was too \_\_\_\_\_ to solve the underlying issue.
- adj.* oversimplified or lacking in complexity or depth; characterized by an attempt to explain something complex or multifaceted with overly vague or simple terms
43. He broke his arm at the \_\_\_\_\_ of the bone.
- n.* the farthest or most remote point or the greatest or the highest degree
44. Thanks to the new dental anesthesia technique, filling is now \_\_\_\_\_.
- adj.* causing little or no physical discomfort; not causing pain or discomfort

ANSWERS: 39. neurobiology, 40. severed, 41. constellation, 42. simplistic, 43. extremity, 44. painless