

# Englist.me



## Vocabulary Builder Reference from...

*Auke Ijspeert: A robot that runs and swims like a salamander | TED Talk*

[https://www.ted.com/talks/auke\\_ijspeert\\_a\\_robot\\_that\\_runs\\_and\\_swims\\_like\\_a\\_salamander](https://www.ted.com/talks/auke_ijspeert_a_robot_that_runs_and_swims_like_a_salamander)

### Advanced Words Only

#### IMPORTANT

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## Session 1: Word List

### 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.

### salamander

*n.* any of various typically terrestrial amphibians that resemble lizards and that return to water only to breed

*synonym*: amphibian

(1) terrestrial **salamander**, (2) semiaquatic **salamander**

We plan to raise a giant **salamander** as a pet.

### waltz

*n.* a ballroom dance in triple time that originated in Vienna and is characterized by a flowing, graceful style and a strong accent on the first beat of each measure

*synonym*: ballroom dance, tango, foxtrot

(1) **waltz** music, (2) elegant **waltz**

The dancers practiced the steps of the **waltz** meticulously to perfect their performance.

### 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**.

## 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.

## 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.

## dolphin

*n.* a marine mammal that typically has a beaklike snout, a streamlined body, and flippers and that feeds on fish and squid

*synonym* : porpoise, cetacean, marine mammal

(1) **dolphin** show, (2) **dolphin-watching** tour

The large group of **dolphins** swam gracefully in the ocean, jumping out of the water now and then.

## jog

*v.* to run or move at a slow or leisurely pace, typically for exercise; to continue talking or writing without a definite plan or purpose

*synonym* : run, sprint, trot

(1) **jog** in place, (2) **jog** my memory

She decided to **jog** around the park to clear her head.

## underestimate

*v.* to think or suppose that a quantity, price, or size is smaller than it is

*synonym*: underrate, misjudge, miscalculate

(1) **underestimate** an enemy, (2) **underestimate** the probability

They frequently **underestimated** their abilities and felt inferior.

## biomechanics

*n.* the study and application of mechanical principles to biological systems, especially as related to human movement and the physical performance of athletes and performers

(1) **biomechanics** of movement, (2) **biomechanics** research

The study of **biomechanics** is important in understanding the physical implications of movement and sports performance.

## reflex

*n.* an automatic and unthinking response to a particular stimulus; a physical reaction to external stimuli

*synonym*: reaction, response, instinct

(1) **reflex** test, (2) knee **reflex**

My leg kicked involuntarily when the doctor tapped my knee with the **reflex** hammer.

## vertebrate

*adj.* relating to animals that have a backbone or spinal column, such as mammals, birds, reptiles, amphibians, and fish

*synonym*: animal, chordate, backboned

(1) the muscle tissue of a **vertebrate**, (2) **vertebrate** biology

The presence of a backbone is a defining characteristic of **vertebrate** animals.

## rhythmic

*adj.* having a pattern of regular beats or a regular beat; characterized by rhythm

*synonym*: measured, metrical, cadenced

(1) a **rhythmic** stroking, (2) in a **rhythmic** pace

The **rhythmic** sound of the drums was mesmerizing.

## descend

*v.* to move downward and lower; to come from, or to be connected by a relationship of blood

*synonym* : dip, drop, come down

(1) **descend** a steep hill, (2) **descend** by elevator

She was **descended** from an old Italian noble family.

## modulate

*v.* to change the key, style, loudness, etc., of something in music to create a particular effect; to fix or adjust the time, amount, degree, or rate of something

*synonym* : regulate, inflect, adjust

(1) **modulate** the function, (2) **modulate** from one key to another

These chemicals **modulate** the effect of metabolism.

## cerebellum

*n.* the part of the brain at the back of the head that plays an important role in motor control, balance, and coordination

(1) **cerebellum** function, (2) development of **cerebellum**

An injury to the **cerebellum** can cause difficulty with walking, speaking, and maintaining posture.

## basal

*adj.* forming or belonging to a bottom layer or base of something

*synonym* : beginning, rudimentary, introductory

(1) **basal** activity, (2) **basal** cells in the skin

The patient has to keep a record of **basal** body temperature.

## ganglion

*n.* a group of nerve cells located outside the brain and spinal cord, often forming a swelling or knot; responsible for controlling certain bodily functions or movements

*synonym* : nerve center, nervous system

(1) **ganglion** cyst, (2) spinal **ganglion**

The patient's **ganglion** was causing severe pain in their wrist.

## vertebra

*n.* a bone in the spine, or the spinal column forming the supporting structure of the spine and protecting the spinal cord

(1) cervical **vertebra**, (2) **vertebra** injury

He uses a **vertebra** traction machine for his treatment.

## hydrodynamics

*n.* the scientific study of the motion and behavior of fluids, especially liquids, and the forces that act on them

*synonym*: fluid dynamics, liquid mechanics, hydrology

(1) **hydrodynamics** research, (2) marine **hydrodynamics**

My research involves studying the **hydrodynamics** of submarine canyons.

## amphibian

*n.* a cold-blooded animal that can live both on land and in water

*synonym*: frog, toad, salamander

(1) **amphibian** species, (2) **amphibian** habitat

Scientists are concerned about the rapid decline in **amphibian** populations around the world.

## eel

*n.* a type of elongated, snake-like fish that lives in freshwater or saltwater and has a slimy, scaleless body and no pelvic fins

(1) glass **eel**, (2) electric **eel**

The fisherman caught a slippery **eel** while out on the lake.

## quadruped

*n.* an animal that has four feet

*synonym*: four-legged, four-legged creature, four-legged animal

(1) **quadruped** walking vehicle, (2) **quadruped** robot

The **quadruped** animal was able to move quickly on four legs.

## ancestor

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

*synonym*: forebear, forefather, progenitor

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

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

## tetrapod

- n.* a vertebrate animal with four feet or leg-like appendages, especially a member of the group that includes amphibians, reptiles, birds, and mammals; a specific type of coastal defense structure which has large, four-legged concrete or rock structures commonly used in coastal engineering to protect shorelines from erosion and the impact of waves

*synonym* : quadriped, four-legged animal, amphibian

(1) amphibious **tetrapod**, (2) aquatic **tetrapod**

Dinosaurs were ancient **tetrapods** that ruled the Earth millions of years ago.

## gait

- n.* a person's manner of walking, running, or moving on foot; a particular pattern or style of movement or locomotion

*synonym* : pace, stride, step

(1) awkward **gait**, (2) brisk **gait**

The older woman's **gait** was slow and unsteady.

## propagate

- v.* to spread or promote something widely, particularly beliefs, ideas, or plants and animals through reproduction

*synonym* : propagate, multiply, reproduce

(1) **propagate** a rumor, (2) **propagate** plants

The company is working hard to **propagate** their brand message to as many people as possible

## trot

- v.* to run or jog at a moderate pace; to walk with long, quick strides

*synonym* : jog, run, race

(1) **trot** across the street, (2) **trot** off happily

She **trotted** to keep up with him.

## undulate

- v.* to move with a smooth wavelike motion; to have a wavy form or outline

*synonym* : roll, ripple, wave

(1) **undulate** waves, (2) **undulate** in the wind

The snake **undulated** its way through the underbrush, silently stalking its prey.

## **cerebration**

*n.* the process of thinking, reasoning, or using the intellect

*synonym*: thinking, reasoning, contemplation

(1) creative **cerebration**, (2) strong **cerebration** skills

The **cerebration** process involved in solving complex mathematical problems requires intense focus and concentration.

## **gallop**

*v.* (of a horse) to run very quickly so that all four feet come off the ground together; to proceed very quickly

*synonym*: canter, race, bound

(1) **gallop** a horse, (2) **gallop** off at top speed

The horse **galloped** across the field at a fast pace.

## **oscillate**

*v.* to swing or move back and forth like a pendulum or a wave; to fluctuate or alternate between two points or states; to hesitate or be indecisive

*synonym*: fluctuate, swing, vibrate

(1) **oscillate** back and forth, (2) **oscillate** between joy and anger

The fan in the room **oscillates**, making the airflow more evenly.

## **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.

## **morphology**

*n.* the study of the form and structure of plants, animals, and other organisms; the study of the alteration of word forms as they change from one part of speech to

another

*synonym*: structure, form, anatomy

(1) **morphology** of a language, (2) cellular **morphology**

The **morphology** of rocks can reveal clues about their geological history.

## pantograph

*n.* a mechanical linkage system consisting of connected arms used to reproduce or scale a drawing or image, often used in the field of drafting or to replicate patterns or designs

*synonym*: linkage

(1) railway **pantograph**, (2) **pantograph** system

The mechanic adjusted the **pantograph** on the electric train to maintain contact with the overhead wires.

## inertia

*n.* the quality or state of being inactive, sluggish, or slow to move or act

*synonym*: sluggishness, lethargy, idleness

(1) **inertia** resistance, (2) Newton's law of **inertia**

The object's **inertia** kept it moving in a straight line until acted upon by an outside force.

## onstage

*adv.* onto or on a stage in a theater; in front of an audience

(1) appeared **onstage**, (2) walk **onstage**

He performed his magic trick **onstage**, leaving the audience in awe.

## stabilize

*v.* to become or cause to become steady or unlikely to give way

*synonym*: brace, steady, secure

(1) **stabilize** prices, (2) **stabilize** blood sugar levels

The raising of interest rates **stabilizes** the inflation rate.

## disturb

*v.* to interrupt someone who is trying to work, sleep, etc.

*synonym*: agitate, bother, intrude

(1) **disturb** the peace, (2) **disturb** his sleep



Tourists frequently **disturb** the island's delicate natural balance.

## **perturbation**

*n.* a state of anxiety, confusion, or disturbance; a deviation or disruption from the normal or expected state

*synonym*: disruption, disturbance, turmoil

(1) seismic **perturbation**, (2) emotional **perturbation**

The unexpected financial crisis caused a **perturbation** in the stock market, leading to widespread panic among investors.

## **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.

## **paraplegia**

*n.* a form of paralysis that affects all or part of the lower body, typically caused by injury to the spinal cord or nervous system

*synonym*: spinal cord injury, paralysis

(1) **paraplegia** treatment, (2) traumatic **paraplegia**

After his accident, he was left with **paraplegia** and had to use a wheelchair.

## **tetraplegia**

*n.* paralysis affecting all four limbs and usually the trunk of the body, often caused by a spinal cord injury or disease

*synonym*: paralysis, spinal cord injury

(1) **tetraplegia** patient, (2) rehabilitation after **tetraplegia**

The car accident left him with **tetraplegia**, resulting in paralysis of all four limbs.

## **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.

## spin-off

- n.* a subsidiary or derivative company or product that is created as a result of the growth or restructuring of an existing organization; a new creation or development that stems from an original source or idea

*synonym*: offshoot, derivative, spinout

(1) video game **spin-off**, (2) technology **spin-off**

The television show was a **spin-off** of the popular movie franchise.

## onboard

- v.* to become or make part of a team, group, or system; to install, activate, or begin using a piece of equipment or software; (adjective) included or integrated into a particular system, machine, or device

*synonym*: embark, aboard, on-load

(1) **onboard** the new employees, (2) **onboard** computer

The passengers were instructed to **onboard** the aircraft as quickly as possible so that the flight could depart on time.

## Session 2: Spelling

- |                                    |   |
|------------------------------------|---|
| 1. qu_____ed robot                 | <i>n.</i> an animal that has four feet  |
| 2. ga___p a horse                  | <i>v.</i> (of a horse) to run very quickly so that all four feet come off the ground together; to proceed very quickly  |
| 3. par_____ia treatment            | <i>n.</i> a form of paralysis that affects all or part of the lower body, typically caused by injury to the spinal cord or nervous system   |
| 4. earliest human an_____or        | <i>n.</i> a person from whom one is descended; a forefather   |
| 5. cellular mor_____gy             | <i>n.</i> the study of the form and structure of plants, animals, and other organisms; the study of the alteration of word forms as they change from one part of speech to another  |
| 6. os_____te between joy and anger | <i>v.</i> to swing or move back and forth like a pendulum or a wave; to fluctuate or alternate between two points or states; to hesitate or be indecisive                           |
| 7. electric e_l                    | <i>n.</i> a type of elongated, snake-like fish that lives in freshwater or saltwater and has a slimy, scaleless body and no pelvic fins   |
| 8. un_____te waves                 | <i>v.</i> to move with a smooth wavelike motion; to have a wavy form or outline   |
| 9. bio_____ics research            | <i>n.</i> the study and application of mechanical principles to biological systems, especially as related to human movement and the physical performance of athletes and performers |

ANSWERS: 1. quadruped, 2. gallop, 3. paraplegia, 4. ancestor, 5. morphology, 6. oscillate, 7. eel, 8. undulate, 9. biomechanics

10. ga\_\_\_p off at top speed *v.* (of a horse) to run very quickly so that all four feet come off the ground together; to proceed very quickly
11. rehabilitation after tet\_\_\_\_\_ia *n.* paralysis affecting all four limbs and usually the trunk of the body, often caused by a spinal cord injury or disease
12. mo\_\_\_\_\_te the function *v.* to change the key, style, loudness, etc., of something in music to create a particular effect; to fix or adjust the time, amount, degree, or rate of something
13. hyd\_\_\_\_\_ics research *n.* the scientific study of the motion and behavior of fluids, especially liquids, and the forces that act on them
14. an\_\_\_\_\_or language *n.* a person from whom one is descended; a forefather
15. ve\_\_\_\_\_ra injury *n.* a bone in the spine, or the spinal column forming the supporting structure of the spine and protecting the spinal cord
16. 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
17. pan\_\_\_\_\_ph system *n.* a mechanical linkage system consisting of connected arms used to reproduce or scale a drawing or image, often used in the field of drafting or to replicate patterns or designs

ANSWERS: 10. gallop, 11. tetraplegia, 12. modulate, 13. hydrodynamics, 14. ancestor, 15. vertebra, 16. stimming, 17. pantograph

18. pr\_\_\_\_\_te a rumor *v.* to spread or promote something widely, particularly beliefs, ideas, or plants and animals through reproduction
19. spinal ga\_\_\_\_\_on *n.* a group of nerve cells located outside the brain and spinal cord, often forming a swelling or knot; responsible for controlling certain bodily functions or movements
20. am\_\_\_\_\_an habitat *n.* a cold-blooded animal that can live both on land and in water
21. und\_\_\_\_\_ate the probability *v.* to think or suppose that a quantity, price, or size is smaller than it is
22. glass e\_l *n.* a type of elongated, snake-like fish that lives in freshwater or saltwater and has a slimy, scaleless body and no pelvic fins
23. loc\_\_\_\_\_on control *n.* the action or ability to move from one place to another
24. in\_\_\_\_\_a resistance *n.* the quality or state of being inactive, sluggish, or slow to move or act
25. 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

ANSWERS: 18. propagate, 19. ganglion, 20. amphibian, 21. underestimate, 22. eel, 23. locomotion, 24. inertia, 25. neurobiology

26. de\_\_\_\_d by elevator *v.* to move downward and lower; to come from, or to be connected by a relationship of blood
27. knee re\_\_\_\_x *n.* an automatic and unthinking response to a particular stimulus; a physical reaction to external stimuli
28. video game sp\_\_\_\_ff *n.* a subsidiary or derivative company or product that is created as a result of the growth or restructuring of an existing organization; a new creation or development that stems from an original source or idea
29. traumatic par\_\_\_\_ia *n.* a form of paralysis that affects all or part of the lower body, typically caused by injury to the spinal cord or nervous system
30. technology sp\_\_\_\_ff *n.* a subsidiary or derivative company or product that is created as a result of the growth or restructuring of an existing organization; a new creation or development that stems from an original source or idea
31. railway pan\_\_\_\_ph *n.* a mechanical linkage system consisting of connected arms used to reproduce or scale a drawing or image, often used in the field of drafting or to replicate patterns or designs
32. j\_g my memory *v.* to run or move at a slow or leisurely pace, typically for exercise; to continue talking or writing without a definite plan or purpose

ANSWERS: 26. descend, 27. reflex, 28. spin-off, 29. paraplegia, 30. spin-off, 31. pantograph, 32. jog

33. strong cer\_\_\_\_\_on skills *n.* the process of thinking, reasoning, or using the intellect
34. awkward g\_\_t *n.* a person's manner of walking, running, or moving on foot; a particular pattern or style of movement or locomotion
35. cervical ve\_\_\_\_\_ra *n.* a bone in the spine, or the spinal column forming the supporting structure of the spine and protecting the spinal cord
36. loc\_\_\_\_\_on system *n.* the action or ability to move from one place to another
37. the branch of neu\_\_\_\_\_nce *n.* the scientific study of the function, structure, and disorder of the brain and the nervous system
38. ba\_\_l activity *adj.* forming or belonging to a bottom layer or base of something
39. terrestrial sal\_\_\_\_\_er *n.* any of various typically terrestrial amphibians that resemble lizards and that return to water only to breed
40. mi\_\_c numerous instruments *v.* to imitate someone's speech, movement, or behavior, especially to make others laugh
41. development of cer\_\_\_\_\_um *n.* the part of the brain at the back of the head that plays an important role in motor control, balance, and coordination
42. di\_\_\_\_\_b his sleep *v.* to interrupt someone who is trying to work, sleep, etc.
43. do\_\_\_\_\_n-watching tour *n.* a marine mammal that typically has a beaklike snout, a streamlined body, and flippers and that feeds on fish and squid

ANSWERS: 33. cerebation, 34. gait, 35. vertebra, 36. locomotion, 37. neuroscience, 38. basal, 39. salamander, 40. mimic, 41. cerebellum, 42. disturb, 43. dolphin

44. pro\_\_\_\_\_ic limbs *adj.* of or relating to an artificial part of the body, such as a limb, a heart, or a breast implant
45. re\_\_\_x test *n.* an automatic and unthinking response to a particular stimulus; a physical reaction to external stimuli
46. ga\_\_\_\_\_on cyst *n.* a group of nerve cells located outside the brain and spinal cord, often forming a swelling or knot; responsible for controlling certain bodily functions or movements
47. brain le\_\_\_n *n.* a damaged or abnormal area of tissue in the body, usually caused by injury or disease
48. st\_\_\_\_\_ze prices *v.* to become or cause to become steady or unlikely to give way
49. mo\_\_\_\_\_te from one key to another *v.* to change the key, style, loudness, etc., of something in music to create a particular effect; to fix or adjust the time, amount, degree, or rate of something
50. brisk g\_\_t *n.* a person's manner of walking, running, or moving on foot; a particular pattern or style of movement or locomotion
51. do\_\_\_\_\_n show *n.* a marine mammal that typically has a beaklike snout, a streamlined body, and flippers and that feeds on fish and squid
52. marine hyd\_\_\_\_\_ics *n.* the scientific study of the motion and behavior of fluids, especially liquids, and the forces that act on them

ANSWERS: 44. prosthetic, 45. reflex, 46. ganglion, 47. lesion, 48. stabilize, 49. modulate, 50. gait, 51. dolphin, 52. hydrodynamics



53. a theoretical concept in neu\_\_\_\_\_nce  
*n.* the scientific study of the function, structure, and disorder of the brain and the nervous system
54. 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
55. tet\_\_\_\_\_ia patient  
*n.* paralysis affecting all four limbs and usually the trunk of the body, often caused by a spinal cord injury or disease
56. appeared on\_\_\_\_\_e  
*adv.* onto or on a stage in a theater; in front of an audience
57. amphibious te\_\_\_\_\_od  
*n.* a vertebrate animal with four feet or leg-like appendages, especially a member of the group that includes amphibians, reptiles, birds, and mammals; a specific type of coastal defense structure which has large, four-legged concrete or rock structures commonly used in coastal engineering to protect shorelines from erosion and the impact of waves
58. the muscle tissue of a ver\_\_\_\_\_te  
*adj.* relating to animals that have a backbone or spinal column, such as mammals, birds, reptiles, amphibians, and fish
59. Newton's law of in\_\_\_\_\_a  
*n.* the quality or state of being inactive, sluggish, or slow to move or act
60. t\_\_t off happily  
*v.* to run or jog at a moderate pace; to walk with long, quick strides

ANSWERS: 53. neuroscience, 54. prosthetic, 55. tetraplegia, 56. onstage, 57. tetrapod, 58. vertebrate, 59. inertia, 60. trot

61. elegant wa\_\_z *n.* a ballroom dance in triple time that originated in Vienna and is characterized by a flowing, graceful style and a strong accent on the first beat of each measure
62. de\_\_\_\_d a steep hill *v.* to move downward and lower; to come from, or to be connected by a relationship of blood
63. bio\_\_\_\_ics of movement *n.* the study and application of mechanical principles to biological systems, especially as related to human movement and the physical performance of athletes and performers
64. os\_\_\_\_te back and forth *v.* to swing or move back and forth like a pendulum or a wave; to fluctuate or alternate between two points or states; to hesitate or be indecisive
65. emotional per\_\_\_\_ion *n.* a state of anxiety, confusion, or disturbance; a deviation or disruption from the normal or expected state
66. in a rh\_\_\_\_ic pace *adj.* having a pattern of regular beats or a regular beat; characterized by rhythm
67. muscle le\_\_\_\_n *n.* a damaged or abnormal area of tissue in the body, usually caused by injury or disease
68. semiaquatic sal\_\_\_\_er *n.* any of various typically terrestrial amphibians that resemble lizards and that return to water only to breed
69. aquatic te\_\_\_\_od *n.* a vertebrate animal with four feet or leg-like appendages, especially a member of the group that includes amphibians, reptiles, birds, and mammals; a specific type of coastal defense structure which has large, four-legged concrete or rock structures commonly used in coastal engineering to protect shorelines from erosion and the impact of waves

ANSWERS: 61. waltz, 62. descend, 63. biomechanics, 64. oscillate, 65. perturbation, 66. rhythmic, 67. lesion, 68. salamander, 69. tetrapod

70. t\_\_t across the street
71. st\_\_\_\_ng therapy
72. neu\_\_\_\_\_\_ogy research
73. j\_g in place
74. wa\_\_z music
75. a rh\_\_\_\_ic stroking
76. un\_\_\_\_te in the wind
- v.* to run or jog at a moderate pace; to walk with long, quick strides
- 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
- 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
- v.* to run or move at a slow or leisurely pace, typically for exercise; to continue talking or writing without a definite plan or purpose
- n.* a ballroom dance in triple time that originated in Vienna and is characterized by a flowing, graceful style and a strong accent on the first beat of each measure
- adj.* having a pattern of regular beats or a regular beat; characterized by rhythm
- v.* to move with a smooth wavelike motion; to have a wavy form or outline

ANSWERS: 70. trot, 71. stimming, 72. neurobiology, 73. jog, 74. waltz, 75. rhythmic, 76. undulate

77. walk on\_\_\_\_\_e *adv.* onto or on a stage in a theater; in front of an audience
78. cer\_\_\_\_\_um function *n.* the part of the brain at the back of the head that plays an important role in motor control, balance, and coordination
79. mor\_\_\_\_\_gy of a language *n.* the study of the form and structure of plants, animals, and other organisms; the study of the alteration of word forms as they change from one part of speech to another
80. on\_\_\_\_\_d computer *v.* to become or make part of a team, group, or system; to install, activate, or begin using a piece of equipment or software; (adjective) included or integrated into a particular system, machine, or device
81. und\_\_\_\_\_ate an enemy *v.* to think or suppose that a quantity, price, or size is smaller than it is
82. seismic per\_\_\_\_\_ion *n.* a state of anxiety, confusion, or disturbance; a deviation or disruption from the normal or expected state
83. on\_\_\_\_\_d the new employees *v.* to become or make part of a team, group, or system; to install, activate, or begin using a piece of equipment or software; (adjective) included or integrated into a particular system, machine, or device
84. ver\_\_\_\_\_te biology *adj.* relating to animals that have a backbone or spinal column, such as mammals, birds, reptiles, amphibians, and fish

ANSWERS: 77. onstage, 78. cerebellum, 79. morphology, 80. onboard, 81. underestimate, 82. perturbation, 83. onboard, 84. vertebrate

85. qu\_\_\_\_\_ed walking vehicle      *n.* an animal that has four feet
86. pr\_\_\_\_\_te plants      *v.* to spread or promote something widely, particularly beliefs, ideas, or plants and animals through reproduction
87. creative cer\_\_\_\_\_on      *n.* the process of thinking, reasoning, or using the intellect
88. ba\_\_l cells in the skin      *adj.* forming or belonging to a bottom layer or base of something
89. am\_\_\_\_\_an species      *n.* a cold-blooded animal that can live both on land and in water
90. di\_\_\_\_\_b the peace      *v.* to interrupt someone who is trying to work, sleep, etc.
91. st\_\_\_\_\_ze blood sugar levels      *v.* to become or cause to become steady or unlikely to give way
92. mi\_\_c a human voice      *v.* to imitate someone's speech, movement, or behavior, especially to make others laugh

ANSWERS: 85. quadruped, 86. propagate, 87. cerebration, 88. basal, 89. amphibian, 90. disturb, 91. stabilize, 92. mimic

## Session 3: Fill in the Blanks

1. My remote \_\_\_\_\_ immigrated to the United States from Ireland in the 1800s.  
*n.* a person from whom one is descended; a forefather
2. An injury to the \_\_\_\_\_ can cause difficulty with walking, speaking, and maintaining posture.  
*n.* the part of the brain at the back of the head that plays an important role in motor control, balance, and coordination
3. He performed his magic trick \_\_\_\_\_ leaving the audience in awe.  
*adv.* onto or on a stage in a theater; in front of an audience
4. The older woman's \_\_\_\_\_ was slow and unsteady.  
*n.* a person's manner of walking, running, or moving on foot; a particular pattern or style of movement or locomotion
5. After his accident, he was left with \_\_\_\_\_ and had to use a wheelchair.  
*n.* a form of paralysis that affects all or part of the lower body, typically caused by injury to the spinal cord or nervous system
6. The \_\_\_\_\_ of the robotic arm was smooth and precise.  
*n.* the action or ability to move from one place to another
7. The television show was a \_\_\_\_\_ of the popular movie franchise.  
*n.* a subsidiary or derivative company or product that is created as a result of the growth or restructuring of an existing organization; a new creation or development that stems from an original source or idea

ANSWERS: 1. ancestor, 2. cerebellum, 3. onstage, 4. gait, 5. paraplegia, 6. locomotion, 7. spin-off

8. The dancers practiced the steps of the \_\_\_\_\_ meticulously to perfect their performance.
- n.* a ballroom dance in triple time that originated in Vienna and is characterized by a flowing, graceful style and a strong accent on the first beat of each measure
9. The object's \_\_\_\_\_ kept it moving in a straight line until acted upon by an outside force.
- n.* the quality or state of being inactive, sluggish, or slow to move or act
10. The car accident left him with \_\_\_\_\_ resulting in paralysis of all four limbs.
- n.* paralysis affecting all four limbs and usually the trunk of the body, often caused by a spinal cord injury or disease
11. 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
12. 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
13. We plan to raise a giant \_\_\_\_\_ as a pet.
- n.* any of various typically terrestrial amphibians that resemble lizards and that return to water only to breed
14. The company is working hard to \_\_\_\_\_ their brand message to as many people as possible
- v.* to spread or promote something widely, particularly beliefs, ideas, or plants and animals through reproduction

ANSWERS: 8. waltz, 9. inertia, 10. tetraplegia, 11. prosthetic, 12. stimming, 13. salamander, 14. propagate



15. 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
16. 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
17. She decided to \_\_\_\_ around the park to clear her head.
- v.* to run or move at a slow or leisurely pace, typically for exercise; to continue talking or writing without a definite plan or purpose
18. The raising of interest rates \_\_\_\_\_ the inflation rate.
- v.* to become or cause to become steady or unlikely to give way
19. The snake \_\_\_\_\_ its way through the underbrush, silently stalking its prey.
- v.* to move with a smooth wavelike motion; to have a wavy form or outline
20. Scientists are concerned about the rapid decline in \_\_\_\_\_ populations around the world.
- n.* a cold-blooded animal that can live both on land and in water
21. The unexpected financial crisis caused a \_\_\_\_\_ in the stock market, leading to widespread panic among investors.
- n.* a state of anxiety, confusion, or disturbance; a deviation or disruption from the normal or expected state

ANSWERS: 15. neurobiology, 16. neuroscience, 17. jog, 18. stabilizes, 19. undulated, 20. amphibian, 21. perturbation

22. The \_\_\_\_\_ process involved in solving complex mathematical problems requires intense focus and concentration.
- n.* the process of thinking, reasoning, or using the intellect
23. The study of \_\_\_\_\_ is important in understanding the physical implications of movement and sports performance.
- n.* the study and application of mechanical principles to biological systems, especially as related to human movement and the physical performance of athletes and performers
24. My leg kicked involuntarily when the doctor tapped my knee with the \_\_\_\_\_ hammer.
- n.* an automatic and unthinking response to a particular stimulus; a physical reaction to external stimuli
25. The \_\_\_\_\_ of rocks can reveal clues about their geological history.
- n.* the study of the form and structure of plants, animals, and other organisms; the study of the alteration of word forms as they change from one part of speech to another
26. The passengers were instructed to \_\_\_\_\_ the aircraft as quickly as possible so that the flight could depart on time.
- v.* to become or make part of a team, group, or system; to install, activate, or begin using a piece of equipment or software; (adjective) included or integrated into a particular system, machine, or device
27. The presence of a backbone is a defining characteristic of \_\_\_\_\_ animals.
- adj.* relating to animals that have a backbone or spinal column, such as mammals, birds, reptiles, amphibians, and fish

ANSWERS: 22. cerebration, 23. biomechanics, 24. reflex, 25. morphology, 26. onboard, 27. vertebrate

28. He uses a \_\_\_\_\_ traction machine for his treatment.
- n.* a bone in the spine, or the spinal column forming the supporting structure of the spine and protecting the spinal cord
29. They frequently \_\_\_\_\_ their abilities and felt inferior.
- v.* to think or suppose that a quantity, price, or size is smaller than it is
30. Dinosaurs were ancient \_\_\_\_\_ that ruled the Earth millions of years ago.
- n.* a vertebrate animal with four feet or leg-like appendages, especially a member of the group that includes amphibians, reptiles, birds, and mammals; a specific type of coastal defense structure which has large, four-legged concrete or rock structures commonly used in coastal engineering to protect shorelines from erosion and the impact of waves
31. My research involves studying the \_\_\_\_\_ of submarine canyons.
- n.* the scientific study of the motion and behavior of fluids, especially liquids, and the forces that act on them
32. The horse \_\_\_\_\_ across the field at a fast pace.
- v.* (of a horse) to run very quickly so that all four feet come off the ground together; to proceed very quickly
33. The mechanic adjusted the \_\_\_\_\_ on the electric train to maintain contact with the overhead wires.
- n.* a mechanical linkage system consisting of connected arms used to reproduce or scale a drawing or image, often used in the field of drafting or to replicate patterns or designs
34. The patient has to keep a record of \_\_\_\_\_ body temperature.
- adj.* forming or belonging to a bottom layer or base of something

ANSWERS: 28. vertebra, 29. underestimated, 30. tetrapods, 31. hydrodynamics, 32. galloped, 33. pantograph, 34. basal

35. Tourists frequently \_\_\_\_\_ the island's delicate natural balance.  
*v.* to interrupt someone who is trying to work, sleep, etc.
36. These chemicals \_\_\_\_\_ the effect of metabolism.  
*v.* to change the key, style, loudness, etc., of something in music to create a particular effect; to fix or adjust the time, amount, degree, or rate of something
37. The \_\_\_\_\_ animal was able to move quickly on four legs.  
*n.* an animal that has four feet
38. 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
39. She \_\_\_\_\_ to keep up with him.  
*v.* to run or jog at a moderate pace; to walk with long, quick strides
40. The large group of \_\_\_\_\_ swam gracefully in the ocean, jumping out of the water now and then.  
*n.* a marine mammal that typically has a beaklike snout, a streamlined body, and flippers and that feeds on fish and squid
41. The fisherman caught a slippery \_\_\_\_ while out on the lake.  
*n.* a type of elongated, snake-like fish that lives in freshwater or saltwater and has a slimy, scaleless body and no pelvic fins
42. She was \_\_\_\_\_ from an old Italian noble family.  
*v.* to move downward and lower; to come from, or to be connected by a relationship of blood

ANSWERS: 35. disturb, 36. modulate, 37. quadruped, 38. lesion, 39. trotted, 40. dolphins, 41. eel, 42. descended

43. 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
44. The patient's \_\_\_\_\_ was causing severe pain in their wrist.
- n.* a group of nerve cells located outside the brain and spinal cord, often forming a swelling or knot; responsible for controlling certain bodily functions or movements
45. The fan in the room \_\_\_\_\_ making the airflow more evenly.
- v.* to swing or move back and forth like a pendulum or a wave; to fluctuate or alternate between two points or states; to hesitate or be indecisive
46. The \_\_\_\_\_ sound of the drums was mesmerizing.
- adj.* having a pattern of regular beats or a regular beat; characterized by rhythm

ANSWERS: 43. mimic, 44. ganglion, 45. oscillates, 46. rhythmic