

# Englist.me



## Vocabulary Builder Reference from...

*Hod Lipson: Building "self-aware" robots | TED Talk*  
[https://www.ted.com/talks/hod\\_lipson\\_building\\_self\\_aware\\_robots](https://www.ted.com/talks/hod_lipson_building_self_aware_robots)

### All Words

#### IMPORTANT

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## Session 1: Word List

### illegal

*adj.* not allowed by law

*synonym* : banned, prohibited, illicit

(1) **illegal** drugs, (2) child of **illegal** immigrants

The customs agents seized the **illegal** shipment.

### immigrant

*n.* a person who has come to a country where they were not born to live there permanently

*synonym* : settler, expatriate, emigrant

(1) **immigrant** communities, (2) an **immigrant** from the country

Police received a report of illegal **immigrants** in the area.

### perspective

*n.* a confident attitude toward something; a particular style of thinking about something

*synonym* : viewpoint, standpoint, outlook

(1) a **perspective** view, (2) the **perspective** of the battle

His father's death changed his whole **perspective** on life.

### X-ray

*n.* a type of electromagnetic radiation that has a wavelength shorter than visible light allowing hidden objects such as bones and organs inside the body to be photographed

*synonym* : roentgenogram, photon radiography

(1) **X-ray** scan, (2) an **X-ray** of arteries

The doctor ordered an **X-ray** to see if there was any damage to the bones.

## beetle

*n.* an insect having a hard shell-like back covering its wings

(1) **beetle** brows, (2) a **beetle** larva

In ancient civilizations, the scarab **beetle** was worshiped as a sacred creature.

## circuit

*n.* (in electrical engineering) an electrical device that provides a path for electrical current to flow; a journey or route around a particular place or area

*synonym*: route, course, rotation

(1) **circuit** breaker, (2) federal **circuit** courts

An intelligent battery has a voltage monitoring **circuit**.

## computation

*n.* the act or process of calculating something, especially an answer or amount, by using a machine or calculator

*synonym*: calculation, estimation, arithmetic

(1) parallel **computation**, (2) theory of **computation**

The researcher demonstrated the superiority of quantum **computation** in several mathematical tasks.

## adaptive

*adj.* capable of adjusting to new situations or changing conditions

*synonym*: flexible, adjustable, pliant

(1) the **adaptive** coloring, (2) **adaptive** technology

The **adaptive** learning system adjusts the difficulty level of the lessons based on the student's performance.

## summon

*v.* to order someone to come to or be present at a specific place such as a court, or to arrange a meeting formally

*synonym*: call for, muster, assemble

(1) **summon** a lawyer, (2) **summon** a city council

The chairperson was responsible for **summoning** committees.

## evolution

*n.* a gradual process of transformation of living things  
*synonym* : elaboration, expansion, transition

(1) human **evolution**, (2) **evolution** theory

They study the **evolution** of the universe.

## primordial

*adj.* existing from the beginning of time or the start of a particular process; relating to the earliest stage of the universe

*synonym* : ancient, original, primary

(1) **primordial** forms of life, (2) **primordial** gas

The discovery of the **primordial** soup was a crucial step in understanding the origins of life on Earth.

## motor

*n.* a device that converts electricity, fuel, etc. into movement and makes a machine, vehicle, etc. work

*synonym* : actuator, engine, machine

(1) a **motor** mechanic, (2) DC **motor** control

Energy-efficient **motors** are needed to maximize the cruising distance of electric vehicles.

## 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.

## mutation

*n.* the way in which genes of a person, plant, animal, or other organism change and produce permanent differences

*synonym* : metamorphosis, transformation, alteration

(1) **mutation** of DNA, (2) hereditary **mutation**

Radiation often promotes genetic **mutations** in plants and animals.

## 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**.

## **crawl**

v. to move forward slowly, as people or animals with their bodies near the ground

*synonym* : creep, drag

(1) **crawl** across the floor, (2) **crawl** away from a car  
Along the gravel roads, sizeable yellow school buses **crawl**.

## **fantastic**

*adj.* extremely good; excellent

*synonym* : incredible, unbelievable, marvelous

(1) a **fantastic** dress, (2) absolutely **fantastic** event  
The new amusement park ride was **fantastic**, with twists, turns, and drops that left riders screaming with excitement.

## **evolve**

v. to develop gradually, or to cause the development of something or someone gradually

*synonym* : develop, mature, grow

(1) **evolve**, (2) **evolve** over the past decade  
Eyeless fish **evolved** in dark caves.

## **moving**

*adj.* causing strong emotions or feelings, especially sadness or sympathy

*synonym* : emotional, poignant, touching

(1) **moving** experience, (2) **moving** ceremony  
His **moving** speech about his struggles with addiction brought tears to the audience's eyes.

## **simulate**

v. to make a pretense of someone's behavior or looks; to reproduce something that exists in real life using computers, models, etc., usually for study or training purposes

*synonym* : pretend, imitate, mimic

(1) **simulate** climate change, (2) **simulate** a future scenario  
He had painted the wood to **simulate** stone.

## population

*n.* the total number of people in a country, region, or location

*synonym* : people, inhabitants, folk

(1) **population** change, (2) labor **population**

In just four years, the **population** has doubled.

## 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**.

## compete

*v.* to strive to achieve more success than someone or something

*synonym* : contend, contest, vie

(1) **compete** against a friend, (2) **compete** fiercely

You must **compete** with others to obtain this position.

## rodeo

*n.* a public exhibition of cowboy skills, particularly in North America, featuring events such as calf-roping, steer wrestling, and bull riding

(1) **rodeo** bull, (2) **rodeo** championship

The bull rider held on tightly during the **rodeo** event.

## gradual

*adj.* happening slowly over a long period of time or distance; not steep or abrupt

*synonym* : incremental, gradational, piecemeal

(1) a **gradual** process, (2) a **gradual** change

The country experienced a **gradual** increase in population.

## autonomous

*adj.* capable of governing or controlling its affairs

*synonym* : independent, self-governing, self-reliant

(1) development of **autonomous** vehicles, (2) an **autonomous** judiciary

Five of the six provinces will become **autonomous** regions under the new federal system of government.

- tilt** *v.* to incline or bend from a vertical position; (noun) the act of inclining or the state of being inclined or leaning to one side  
*synonym* : incline, slant, lean  
(1) on the **tilt**, (2) **tilt** a chair  
She **tilted** her head to the side, indicating she was listening.
- sensor** *n.* a device that receives a signal or stimulus such as heat, pressure, light, motion, etc. and responds to it in a specific manner  
*synonym* : detector  
(1) motion **sensor** lighting, (2) an image **sensor**  
This automatic door could no longer be opened due to a **sensor** failure.
- initially** *adv.* at the beginning; at first  
*synonym* : originally, primarily, firstly  
(1) **initially** anticipated, (2) diagnosed **initially** as a tumor  
This train departed later than **initially** scheduled.
- random** *adj.* made, done, or happening without method, conscious decision, or any regular pattern  
*synonym* : incidental, arbitrary, unanticipated  
(1) a **random** choice, (2) bombs fell at **random**  
To find drunk drivers, police conduct **random** tests.
- passee** *adj.* no longer fashionable or current; outdated; considered to be old-fashioned or out of date  
*synonym* : outdated, old-fashioned, antique  
(1) **passee** entertainment, (2) **passee** trend  
Bell-bottom jeans, once considered **passee** fashion, have made a surprising comeback in recent years.
- relation** *n.* the way two persons or groups of people feel and act toward one another  
*synonym* : association, linkage, connection  
(1) **relation** between cause and effect, (2) **relation** of

inclusion

The industrial **relations** laws were passed with little to no alteration.

**actuate**

*v.* to cause a machine or equipment to start to work

*synonym*: motivate, spark, drive

(1) **actuate** the circuits, (2) **actuate** a parking brake

A desire for success **actuated** her.

**disagree**

*v.* to have or express a different opinion, idea, etc.

*synonym*: discord, oppose, dissent

(1) **disagree** about a particular issue, (2) **disagree** with a plan

I **disagree** for reasons already stated above.

**prediction**

*n.* the act of predicting the future by reasoning; a statement made about the future

*synonym*: forecast, anticipation, foretelling

(1) make my **predictions**, (2) gloomy **predictions**

These results muddied the **prediction**.

**alternative**

*n.* one of two or more available possibilities or choice

*synonym*: choice, option

(1) an **alternative** plan, (2) there is no other **alternative**

Doctors are gradually coming around to the idea of using **alternative** medicines.

**lab**

*n.* a workplace for the conduct of scientific research; a laboratory

*synonym*: workshop, laboratory, research chamber

(1) **lab** instrument, (2) medical **lab**

The Prime Minister will pay a courtesy visit to the Nobel laureate's **lab**.

**prune**

*n.* a dried plum that has a black, wrinkled appearance;  
(verb) to cut off branches from a tree, bush, or plant,

especially to encourage growth

*synonym* : (verb) trim, (verb) cut back

(1) **prune** a branch, (2) wrinkle like a **prune**

You should remove the seeds from the **prunes** before cooking.

## cycle

*n.* an interval during which a recurring sequence of events occurs; a bicycle or motorcycle

*synonym* : revolution, rotation, bike

(1) the **cycle** of the seasons, (2) go to the workplace by **cycle**

The food chain causes a material **cycle**.

## derive

*v.* to obtain or receive something from a source

*synonym* : deduce, judge, infer

(1) **derive** a conclusion, (2) **derive** knowledge from books

These English words are **derived** from Latin.

## 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.

## hop

*v.* to jump lightly and quickly on one foot or both feet; to move rapidly from one place to another; to travel using an aircraft, bus, etc.

*synonym* : jump, bounce, skip

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

The rabbit **hopped** over the fence.

## evil

*adj.* profoundly immoral, cruel, and wicked; having or exerting a harmful effect on people

*synonym* : malign, corruption, immorality

(1) **evil** ways, (2) a charm against **evil**

Corruption is an **evil** act for any reason.



## spider

*n.* a small, eight-legged creature that spins webs to catch insects as food; a computer program that systematically browses the World Wide Web for purposes of web indexing

*synonym* : arachnid, wanderer

(1) **spider** venom, (2) web **spider**

The **spider** spun an intricate web in the corner of the room.

## lame

*adj.* having a limp or difficulty walking due to an injury or disability

*synonym* : cripple, gimp, hobbled

(1) a **lame** older man, (2) **lame** apology

The **lame** horse was unable to race.

## cube

*n.* a three-dimensional shape with six square faces that are all equal in size; (of mathematics) the result of multiplying the number by itself three times

*synonym* : block, square, cell

(1) **cube** root, (2) ice **cube**

I cut the cheese into small **cubes** for the salad.

## diagram

*n.* a simplified illustration of the appearance, structure, or workings of something

*synonym* : chart, figure, graph

(1) 3D **diagram**, (2) in a **diagram**

He is drawing a **diagram** illustrating how the equipment operates.

## swivel

*v.* to rotate or turn around a fixed point or axis, often used to describe the action of a chair or other similar object that can rotate horizontally; (noun) a fastening device that allows the thing fastened to it to rotate or turn around freely

*synonym* : rotate, pivot, spin

(1) **swivel** 180 degrees around to face him, (2) **swivel** mechanism

I **swivel** my chair to face the window and enjoy the view.

**flip**

v. to turn over into a different position quickly; to throw or toss with a light motion

*synonym*: throw, jump

(1) **flip** over the pork chop, (2) **flip** a coin

He **flipped** when he heard that he had been accepted into the university.

**pump**

v. to cause water, air, gas, etc. to move from one place to another by using mechanical equipment; to get or supply something such as money, information, etc. in significant quantities

*synonym*: drain, inject, send

(1) **pump** a secret out of success, (2) **pump** blood throughout the body

He was alert and could not **pump** any critical information out of him.

**replicate**

v. to make an exact copy of something; to repeat a process or experiment to confirm the results

*synonym*: duplicate, imitate, reproduce

(1) **replicate** the cell, (2) **replicate** data

The experiment was **replicated** several times to ensure accuracy.

**absence**

n. the fact or condition of being away from a place where they are typically anticipated to be

*synonym*: dearth, scarcity, lack

(1) **absence** from work, (2) a leave of **absence**

Another critical factor of child poverty is the father's **absence**.

**intrinsic**

adj. belonging naturally; essential

*synonym*: inherent, innate, natural

(1) **intrinsic** value, (2) **intrinsic** nature

The **intrinsic** beauty of the painting was immediately apparent to all who viewed it.

## accelerate

*v.* to make something faster or earlier; to cause to develop or progress more quickly

*synonym* : speed up, quicken, rev

(1) **accelerate** a chemical reaction, (2) **accelerate** the car

The government tried to **accelerate** the commercialization of this development.

## process

*n.* a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products

*synonym* : procedure, method, system

(1) **process** improvement, (2) decision-making **process**

The **process** for applying for a visa can be lengthy and complicated.

## fee

*n.* a sum of money charged for a particular service

*synonym* : charge, cost, expense

(1) **fee** calculation, (2) service **fee**

The lawyer's **fee** for the case was \$10,000.

## crude

*adj.* being in an unrefined or natural state; (noun) the unprocessed form of oil

*synonym* : unrefined, native, vulgar

(1) price of **crude** oil, (2) **crude** manners

His **crude** jokes made her angry.

## microscopy

*n.* the scientific study of small structures or substances using microscopes, including the anatomical, physiological, and pathological aspects of cells, tissues, and organs

*synonym* : microanalysis, magnification

(1) clinical **microscopy**, (2) electron **microscopy**

The scientist used a **microscopy** technique to study the cells at a microscopic level.

## powder

*n.* a dry and fine substance that consists of very small, loose particles

*synonym* : dust, crumb, grain

(1) **powder** additive, (2) curry **powder**

She used a **powder** brush to apply her foundation evenly.

## humming

*adj.* producing a continuous, low, vibrating sound like that of the bee

*synonym* : buzzing, droning, vibrating

(1) **humming** sound, (2) **humming** bird

The **humming** of the bees filled the air as she walked through the garden.

## manually

*adv.* by the use of physical effort or human labor; not automatically or mechanically; by hand

*synonym* : by hand, physically

(1) **manually** operated, (2) **manually** input

The data was **manually** entered into the system by the employee.

## Session 2: Spelling

1. ice c\_\_e *n.* a three-dimensional shape with six square faces that are all equal in size; (of mathematics) the result of multiplying the number by itself three times
2. wrinkle like a pr\_\_e *n.* a dried plum that has a black, wrinkled appearance; (verb) to cut off branches from a tree, bush, or plant, especially to encourage growth
3. mo\_\_\_g ceremony *adj.* causing strong emotions or feelings, especially sadness or sympathy
4. be\_\_\_e brows *n.* an insect having a hard shell-like back covering its wings
5. si\_\_\_\_\_te climate change *v.* to make a pretense of someone's behavior or looks; to reproduce something that exists in real life using computers, models, etc., usually for study or training purposes
6. clinical mic\_\_\_\_\_py *n.* the scientific study of small structures or substances using microscopes, including the anatomical, physiological, and pathological aspects of cells, tissues, and organs
7. sp\_\_\_r venom *n.* a small, eight-legged creature that spins webs to catch insects as food; a computer program that systematically browses the World Wide Web for purposes of web indexing

ANSWERS: 1. cube, 2. prune, 3. moving, 4. beetle, 5. simulate, 6. microscopy, 7. spider

8. a ra\_\_\_m choice *adj.* made, done, or happening without method, conscious decision, or any regular pattern
9. ma\_\_\_\_\_ly input *adv.* by the use of physical effort or human labor; not automatically or mechanically; by hand
10. the re\_\_\_d for good works *n.* a thing given in acknowledgment of service, hard work, achievement, etc.
11. a gr\_\_\_\_\_l process *adj.* happening slowly over a long period of time or distance; not steep or abrupt
12. a leave of ab\_\_\_\_\_e *n.* the fact or condition of being away from a place where they are typically anticipated to be
13. ev\_\_\_e over the past decade *v.* to develop gradually, or to cause the development of something or someone gradually
14. re\_\_\_\_\_on of inclusion *n.* the way two persons or groups of people feel and act toward one another
15. acc\_\_\_\_\_te a chemical reaction *v.* to make something faster or earlier; to cause to develop or progress more quickly
16. a mo\_\_r mechanic *n.* a device that converts electricity, fuel, etc. into movement and makes a machine, vehicle, etc. work
17. t\_\_t a chair *v.* to incline or bend from a vertical position; (noun) the act of inclining or the state of being inclined or leaning to one side
18. loc\_\_\_\_\_on control *n.* the action or ability to move from one place to another

ANSWERS: 8. random, 9. manually, 10. reward, 11. gradual, 12. absence, 13. evolve, 14. relation, 15. accelerate, 16. motor, 17. tilt, 18. locomotion

19. 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
20. go to the workplace by cy\_\_e *n.* an interval during which a recurring sequence of events occurs; a bicycle or motorcycle
21. an aut\_\_\_\_\_us judiciary *adj.* capable of governing or controlling its affairs
22. DC mo\_\_r control *n.* a device that converts electricity, fuel, etc. into movement and makes a machine, vehicle, etc. work
23. shopping re\_\_\_ds cards *n.* a thing given in acknowledgment of service, hard work, achievement, etc.
24. p\_\_p a secret out of success *v.* to cause water, air, gas, etc. to move from one place to another by using mechanical equipment; to get or supply something such as money, information, etc. in significant quantities
25. di\_\_\_\_\_ee about a particular issue *v.* to have or express a different opinion, idea, etc.
26. pri\_\_\_\_\_al gas *adj.* existing from the beginning of time or the start of a particular process; relating to the earliest stage of the universe
27. a per\_\_\_\_\_ve view *n.* a confident attitude toward something; a particular style of thinking about something
28. hereditary mu\_\_\_\_\_on *n.* the way in which genes of a person, plant, animal, or other organism change and produce permanent differences

ANSWERS: 19. neuron, 20. cycle, 21. autonomous, 22. motor, 23. reward, 24. pump, 25. disagree, 26. primordial, 27. perspective, 28. mutation

29. ci\_\_\_\_t breaker *n.* (in electrical engineering) an electrical device that provides a path for electrical current to flow; a journey or route around a particular place or area
30. c\_\_e root *n.* a three-dimensional shape with six square faces that are all equal in size; (of mathematics) the result of multiplying the number by itself three times
31. labor pop\_\_\_\_\_on *n.* the total number of people in a country, region, or location
32. de\_\_\_e a conclusion *v.* to obtain or receive something from a source
33. a l\_\_e older man *adj.* having a limp or difficulty walking due to an injury or disability
34. bombs fell at ra\_\_\_m *adj.* made, done, or happening without method, conscious decision, or any regular pattern
35. basic br\_\_n function *n.* the organ inside the head that is responsible for one's movement, thought, memory, and feeling
36. a charm against e\_\_l *adj.* profoundly immoral, cruel, and wicked; having or exerting a harmful effect on people
37. federal ci\_\_\_\_t courts *n.* (in electrical engineering) an electrical device that provides a path for electrical current to flow; a journey or route around a particular place or area
38. ne\_\_\_n cell body *n.* a cell that is specialized to carry information within the brain and between the brain and other parts of the body

ANSWERS: 29. circuit, 30. cube, 31. population, 32. derive, 33. lame, 34. random, 35. brain, 36. evil, 37. circuit, 38. neuron



39. in\_\_\_\_\_ly anticipated *adv.* at the beginning; at first
40. cr\_\_l across the floor *v.* to move forward slowly, as people or animals with their bodies near the ground
41. decision-making pr\_\_\_\_\_s *n.* a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products
42. on the t\_\_t *v.* to incline or bend from a vertical position; (noun) the act of inclining or the state of being inclined or leaning to one side
43. po\_\_\_r additive *n.* a dry and fine substance that consists of very small, loose particles
44. an alt\_\_\_\_\_ve plan *n.* one of two or more available possibilities or choice
45. the ad\_\_\_\_\_ve coloring *adj.* capable of adjusting to new situations or changing conditions
46. p\_\_p blood throughout the body *v.* to cause water, air, gas, etc. to move from one place to another by using mechanical equipment; to get or supply something such as money, information, etc. in significant quantities
47. absolutely fa\_\_\_\_\_ic event *adj.* extremely good; excellent
48. parallel com\_\_\_\_\_on *n.* the act or process of calculating something, especially an answer or amount, by using a machine or calculator

ANSWERS: 39. initially, 40. crawl, 41. process, 42. tilt, 43. powder, 44. alternative, 45. adaptive, 46. pump, 47. fantastic, 48. computation

49. co\_\_\_\_\_e against a friend *v.* to strive to achieve more success than someone or something
50. pa\_\_e trend *adj.* no longer fashionable or current; outdated; considered to be old-fashioned or out of date
51. ab\_\_\_\_\_e from work *n.* the fact or condition of being away from a place where they are typically anticipated to be
52. loc\_\_\_\_\_on system *n.* the action or ability to move from one place to another
53. ma\_\_\_\_\_ly operated *adv.* by the use of physical effort or human labor; not automatically or mechanically; by hand
54. ac\_\_\_\_\_e a parking brake *v.* to cause a machine or equipment to start to work
55. motion se\_\_\_\_r lighting *n.* a device that receives a signal or stimulus such as heat, pressure, light, motion, etc. and responds to it in a specific manner
56. child of il\_\_\_\_\_l immigrants *adj.* not allowed by law
57. il\_\_\_\_\_l drugs *adj.* not allowed by law
58. de\_\_\_e knowledge from books *v.* to obtain or receive something from a source
59. there is no other alt\_\_\_\_\_ve *n.* one of two or more available possibilities or choice
60. di\_\_\_\_\_ee with a plan *v.* to have or express a different opinion, idea, etc.
61. im\_\_\_\_\_nt communities *n.* a person who has come to a country where they were not born to live there permanently

ANSWERS: 49. compete, 50. passe, 51. absence, 52. locomotion, 53. manually, 54. actuate, 55. sensor, 56. illegal, 57. illegal, 58. derive, 59. alternative, 60. disagree, 61. immigrant

62. theory of com\_\_\_\_\_on *n.* the act or process of calculating something, especially an answer or amount, by using a machine or calculator
63. in\_\_\_\_\_ic nature *adj.* belonging naturally; essential
64. re\_\_\_\_\_on between cause and effect *n.* the way two persons or groups of people feel and act toward one another
65. ad\_\_\_\_\_ve technology *adj.* capable of adjusting to new situations or changing conditions
66. co\_\_\_\_\_e fiercely *v.* to strive to achieve more success than someone or something
67. medical l\_b *n.* a workplace for the conduct of scientific research; a laboratory
68. web sp\_\_\_\_r *n.* a small, eight-legged creature that spins webs to catch insects as food; a computer program that systematically browses the World Wide Web for purposes of web indexing
69. in\_\_\_\_\_ic value *adj.* belonging naturally; essential
70. an im\_\_\_\_\_nt from the country *n.* a person who has come to a country where they were not born to live there permanently
71. pri\_\_\_\_\_al forms of life *adj.* existing from the beginning of time or the start of a particular process; relating to the earliest stage of the universe
72. in a di\_\_\_\_\_m *n.* a simplified illustration of the appearance, structure, or workings of something

ANSWERS: 62. computation, 63. intrinsic, 64. relation, 65. adaptive, 66. compete, 67. lab, 68. spider, 69. intrinsic, 70. immigrant, 71. primordial, 72. diagram

73. l\_b instrument *n.* a workplace for the conduct of scientific research; a laboratory
74. ev\_\_\_e *v.* to develop gradually, or to cause the development of something or someone gradually
75. pa\_\_e entertainment *adj.* no longer fashionable or current; outdated; considered to be old-fashioned or out of date
76. l\_\_e apology *adj.* having a limp or difficulty walking due to an injury or disability
77. the per\_\_\_\_\_ve of the battle *n.* a confident attitude toward something; a particular style of thinking about something
78. sw\_\_\_l 180 degrees around to face him *v.* to rotate or turn around a fixed point or axis, often used to describe the action of a chair or other similar object that can rotate horizontally; (noun) a fastening device that allows the thing fastened to it to rotate or turn around freely
79. development of aut\_\_\_\_\_us vehicles *adj.* capable of governing or controlling its affairs
80. sw\_\_\_l mechanism *v.* to rotate or turn around a fixed point or axis, often used to describe the action of a chair or other similar object that can rotate horizontally; (noun) a fastening device that allows the thing fastened to it to rotate or turn around freely
81. cr\_\_e manners *adj.* being in an unrefined or natural state; (noun) the unprocessed form of oil

ANSWERS: 73. lab, 74. evolve, 75. passe, 76. lame, 77. perspective, 78. swivel, 79. autonomous, 80. swivel, 81. crude

82. f\_\_p a coin *v.* to turn over into a different position quickly; to throw or toss with a light motion
83. su\_\_\_n a lawyer *v.* to order someone to come to or be present at a specific place such as a court, or to arrange a meeting formally
84. the cy\_\_e of the seasons *n.* an interval during which a recurring sequence of events occurs; a bicycle or motorcycle
85. a be\_\_\_e larva *n.* an insect having a hard shell-like back covering its wings
86. price of cr\_\_e oil *adj.* being in an unrefined or natural state; (noun) the unprocessed form of oil
87. human ev\_\_\_\_\_on *n.* a gradual process of transformation of living things
88. curry po\_\_\_r *n.* a dry and fine substance that consists of very small, loose particles
89. 3D di\_\_\_\_\_m *n.* a simplified illustration of the appearance, structure, or workings of something
90. pr\_\_e a branch *n.* a dried plum that has a black, wrinkled appearance; (verb) to cut off branches from a tree, bush, or plant, especially to encourage growth
91. hu\_\_\_\_\_g bird *adj.* producing a continuous, low, vibrating sound like that of the bee
92. an image se\_\_\_r *n.* a device that receives a signal or stimulus such as heat, pressure, light, motion, etc. and responds to it in a specific manner

ANSWERS: 82. flip, 83. summon, 84. cycle, 85. beetle, 86. crude, 87. evolution, 88. powder, 89. diagram, 90. prune, 91. humming, 92. sensor

93. re\_\_\_\_\_te the cell                      *v.* to make an exact copy of something; to repeat a process or experiment to confirm the results
94. f\_\_p over the pork chop                      *v.* to turn over into a different position quickly; to throw or toss with a light motion
95. ro\_\_o championship                      *n.* a public exhibition of cowboy skills, particularly in North America, featuring events such as calf-roping, steer wrestling, and bull riding
96. pr\_\_\_\_\_s improvement                      *n.* a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products
97. su\_\_\_n a city council                      *v.* to order someone to come to or be present at a specific place such as a court, or to arrange a meeting formally
98. e\_\_l ways                      *adj.* profoundly immoral, cruel, and wicked; having or exerting a harmful effect on people
99. mo\_\_\_g experience                      *adj.* causing strong emotions or feelings, especially sadness or sympathy
100. diagnosed in\_\_\_\_\_ly as a tumor                      *adv.* at the beginning; at first
101. ev\_\_\_\_\_on theory                      *n.* a gradual process of transformation of living things

ANSWERS: 93. replicate, 94. flip, 95. rodeo, 96. process, 97. summon, 98. evil, 99. moving, 100. initially, 101. evolution

102. ro\_\_o bull *n.* a public exhibition of cowboy skills, particularly in North America, featuring events such as calf-roping, steer wrestling, and bull riding
103. hu\_\_\_\_\_g sound *adj.* producing a continuous, low, vibrating sound like that of the bee
104. a gr\_\_\_\_\_l change *adj.* happening slowly over a long period of time or distance; not steep or abrupt
105. an X-\_\_y of arteries *n.* a type of electromagnetic radiation that has a wavelength shorter than visible light allowing hidden objects such as bones and organs inside the body to be photographed
106. gloomy pre\_\_\_\_\_ons *n.* the act of predicting the future by reasoning; a statement made about the future
107. ac\_\_\_\_\_e the circuits *v.* to cause a machine or equipment to start to work
108. h\_p on one foot *v.* to jump lightly and quickly on one foot or both feet; to move rapidly from one place to another; to travel using an aircraft, bus, etc.
109. permanent br\_\_n damage *n.* the organ inside the head that is responsible for one's movement, thought, memory, and feeling
110. make my pre\_\_\_\_\_ons *n.* the act of predicting the future by reasoning; a statement made about the future
111. service f\_e *n.* a sum of money charged for a particular service

ANSWERS: 102. rodeo, 103. humming, 104. gradual, 105. X-ray, 106. prediction, 107. actuate, 108. hop, 109. brain, 110. prediction, 111. fee

112. pop\_\_\_\_\_on change      *n.* the total number of people in a country, region, or location
113. electron mic\_\_\_\_\_py      *n.* the scientific study of small structures or substances using microscopes, including the anatomical, physiological, and pathological aspects of cells, tissues, and organs
114. a fa\_\_\_\_\_ic dress      *adj.* extremely good; excellent
115. re\_\_\_\_\_te data      *v.* to make an exact copy of something; to repeat a process or experiment to confirm the results
116. X-\_\_y scan      *n.* a type of electromagnetic radiation that has a wavelength shorter than visible light allowing hidden objects such as bones and organs inside the body to be photographed
117. h\_p from one place to another      *v.* to jump lightly and quickly on one foot or both feet; to move rapidly from one place to another; to travel using an aircraft, bus, etc.
118. mu\_\_\_\_\_on of DNA      *n.* the way in which genes of a person, plant, animal, or other organism change and produce permanent differences
119. si\_\_\_\_\_te a future scenario      *v.* to make a pretense of someone's behavior or looks; to reproduce something that exists in real life using computers, models, etc., usually for study or training purposes
120. f\_e calculation      *n.* a sum of money charged for a particular service

ANSWERS: 112. population, 113. microscopy, 114. fantastic, 115. replicate, 116. X-ray, 117. hop, 118. mutation, 119. simulate, 120. fee



121. cr\_\_l away from a car

v. to move forward slowly, as people or animals with their bodies near the ground

122. acc\_\_\_\_\_te the car

v. to make something faster or earlier; to cause to develop or progress more quickly

ANSWERS: 121. crawl, 122. accelerate

## Session 3: Fill in the Blanks

1. The rabbit \_\_\_\_\_ over the fence.  
*v.* to jump lightly and quickly on one foot or both feet; to move rapidly from one place to another; to travel using an aircraft, bus, etc.
2. This train departed later than \_\_\_\_\_ scheduled.  
*adv.* at the beginning; at first
3. The \_\_\_\_\_ of the bees filled the air as she walked through the garden.  
*adj.* producing a continuous, low, vibrating sound like that of the bee
4. Energy-efficient \_\_\_\_\_ are needed to maximize the cruising distance of electric vehicles.  
*n.* a device that converts electricity, fuel, etc. into movement and makes a machine, vehicle, etc. work
5. The bull rider held on tightly during the \_\_\_\_\_ event.  
*n.* a public exhibition of cowboy skills, particularly in North America, featuring events such as calf-roping, steer wrestling, and bull riding
6. The industrial \_\_\_\_\_ laws were passed with little to no alteration.  
*n.* the way two persons or groups of people feel and act toward one another
7. The government tried to \_\_\_\_\_ the commercialization of this development.  
*v.* to make something faster or earlier; to cause to develop or progress more quickly
8. His \_\_\_\_\_ speech about his struggles with addiction brought tears to the audience's eyes.  
*adj.* causing strong emotions or feelings, especially sadness or sympathy

ANSWERS: 1. hopped, 2. initially, 3. humming, 4. motors, 5. rodeo, 6. relations, 7. accelerate, 8. moving

9. You should remove the seeds from the \_\_\_\_\_ before cooking.
- n.* a dried plum that has a black, wrinkled appearance; (verb) to cut off branches from a tree, bush, or plant, especially to encourage growth
10. The scientist used a \_\_\_\_\_ technique to study the cells at a microscopic level.
- n.* the scientific study of small structures or substances using microscopes, including the anatomical, physiological, and pathological aspects of cells, tissues, and organs
11. I \_\_\_\_\_ for reasons already stated above.
- v.* to have or express a different opinion, idea, etc.
12. Doctors are gradually coming around to the idea of using \_\_\_\_\_ medicines.
- n.* one of two or more available possibilities or choice
13. The customs agents seized the \_\_\_\_\_ shipment.
- adj.* not allowed by law
14. An intelligent battery has a voltage monitoring \_\_\_\_\_.
- n.* (in electrical engineering) an electrical device that provides a path for electrical current to flow; a journey or route around a particular place or area
15. The food chain causes a material \_\_\_\_\_.
- n.* an interval during which a recurring sequence of events occurs; a bicycle or motorcycle
16. The experiment was \_\_\_\_\_ several times to ensure accuracy.
- v.* to make an exact copy of something; to repeat a process or experiment to confirm the results

ANSWERS: 9. prunes, 10. microscopy, 11. disagree, 12. alternative, 13. illegal, 14. circuit, 15. cycle, 16. replicated

17. He \_\_\_\_\_ when he heard that he had been accepted into the university.

*v.* to turn over into a different position quickly; to throw or toss with a light motion

18. He had painted the wood to \_\_\_\_\_ stone.

*v.* to make a pretense of someone's behavior or looks; to reproduce something that exists in real life using computers, models, etc., usually for study or training purposes

19. The doctor ordered an \_\_\_\_\_ to see if there was any damage to the bones.

*n.* a type of electromagnetic radiation that has a wavelength shorter than visible light allowing hidden objects such as bones and organs inside the body to be photographed

20. Police received a report of illegal \_\_\_\_\_ in the area.

*n.* a person who has come to a country where they were not born to live there permanently

21. I cut the cheese into small \_\_\_\_\_ for the salad.

*n.* a three-dimensional shape with six square faces that are all equal in size; (of mathematics) the result of multiplying the number by itself three times

22. Radiation often promotes genetic \_\_\_\_\_ in plants and animals.

*n.* the way in which genes of a person, plant, animal, or other organism change and produce permanent differences

23. To find drunk drivers, police conduct \_\_\_\_\_ tests.

*adj.* made, done, or happening without method, conscious decision, or any regular pattern

24. The \_\_\_\_\_ of the robotic arm was smooth and precise.

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

ANSWERS: 17. flipped, 18. simulate, 19. X-ray, 20. immigrants, 21. cubes, 22. mutations, 23. random, 24. locomotion

25. Eyeless fish \_\_\_\_\_ in dark caves.

- v.* to develop gradually, or to cause the development of something or someone gradually

26. The new amusement park ride was \_\_\_\_\_ with twists, turns, and drops that left riders screaming with excitement.

- adj.* extremely good; excellent

27. She used a \_\_\_\_\_ brush to apply her foundation evenly.

- n.* a dry and fine substance that consists of very small, loose particles

28. Our body transfers information along each \_\_\_\_\_ using an electrical impulse.

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

29. Along the gravel roads, sizeable yellow school buses \_\_\_\_\_.

- v.* to move forward slowly, as people or animals with their bodies near the ground

30. 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

31. He was alert and could not \_\_\_\_\_ any critical information out of him.

- v.* to cause water, air, gas, etc. to move from one place to another by using mechanical equipment; to get or supply something such as money, information, etc. in significant quantities

32. These English words are \_\_\_\_\_ from Latin.

- v.* to obtain or receive something from a source

ANSWERS: 25. evolved, 26. fantastic, 27. powder, 28. neuron, 29. crawl, 30. brain, 31. pump, 32. derived

33. The chairperson was responsible for \_\_\_\_\_ committees.
- v. to order someone to come to or be present at a specific place such as a court, or to arrange a meeting formally
34. A desire for success \_\_\_\_\_ her.
- v. to cause a machine or equipment to start to work
35. I \_\_\_\_\_ my chair to face the window and enjoy the view.
- v. to rotate or turn around a fixed point or axis, often used to describe the action of a chair or other similar object that can rotate horizontally; (noun) a fastening device that allows the thing fastened to it to rotate or turn around freely
36. You must \_\_\_\_\_ with others to obtain this position.
- v. to strive to achieve more success than someone or something
37. The discovery of the \_\_\_\_\_ soup was a crucial step in understanding the origins of life on Earth.
- adj. existing from the beginning of time or the start of a particular process; relating to the earliest stage of the universe
38. The country experienced a \_\_\_\_\_ increase in population.
- adj. happening slowly over a long period of time or distance; not steep or abrupt
39. Another critical factor of child poverty is the father's \_\_\_\_\_.
- n. the fact or condition of being away from a place where they are typically anticipated to be
40. The \_\_\_\_\_ spun an intricate web in the corner of the room.
- n. a small, eight-legged creature that spins webs to catch insects as food; a computer program that systematically browses the World Wide Web for purposes of web indexing

ANSWERS: 33. summoning, 34. actuated, 35. swivel, 36. compete, 37. primordial, 38. gradual, 39. absence, 40. spider

41. His \_\_\_\_\_ jokes made her angry.

*adj.* being in an unrefined or natural state; (noun) the unprocessed form of oil

42. Five of the six provinces will become \_\_\_\_\_ regions under the new federal system of government.

*adj.* capable of governing or controlling its affairs

43. In just four years, the \_\_\_\_\_ has doubled.

*n.* the total number of people in a country, region, or location

44. She \_\_\_\_\_ her head to the side, indicating she was listening.

*v.* to incline or bend from a vertical position; (noun) the act of inclining or the state of being inclined or leaning to one side

45. The \_\_\_\_\_ learning system adjusts the difficulty level of the lessons based on the student's performance.

*adj.* capable of adjusting to new situations or changing conditions

46. The \_\_\_\_\_ for applying for a visa can be lengthy and complicated.

*n.* a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products

47. His father's death changed his whole \_\_\_\_\_ on life.

*n.* a confident attitude toward something; a particular style of thinking about something

48. The lawyer's \_\_\_\_ for the case was \$10,000.

*n.* a sum of money charged for a particular service

ANSWERS: 41. crude, 42. autonomous, 43. population, 44. tilted, 45. adaptive, 46. process, 47. perspective, 48. fee

49. These results muddied the \_\_\_\_\_.

*n.* the act of predicting the future by reasoning; a statement made about the future

50. The \_\_\_\_\_ horse was unable to race.

*adj.* having a limp or difficulty walking due to an injury or disability

51. This automatic door could no longer be opened due to a \_\_\_\_\_ failure.

*n.* a device that receives a signal or stimulus such as heat, pressure, light, motion, etc. and responds to it in a specific manner

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

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

53. He is drawing a \_\_\_\_\_ illustrating how the equipment operates.

*n.* a simplified illustration of the appearance, structure, or workings of something

54. The researcher demonstrated the superiority of quantum \_\_\_\_\_ in several mathematical tasks.

*n.* the act or process of calculating something, especially an answer or amount, by using a machine or calculator

55. In ancient civilizations, the scarab \_\_\_\_\_ was worshiped as a sacred creature.

*n.* an insect having a hard shell-like back covering its wings

56. The data was \_\_\_\_\_ entered into the system by the employee.

*adv.* by the use of physical effort or human labor; not automatically or mechanically; by hand

57. Bell-bottom jeans, once considered \_\_\_\_\_ fashion, have made a surprising comeback in recent years.

*adj.* no longer fashionable or current; outdated; considered to be old-fashioned or out of date

ANSWERS: 49. prediction, 50. lame, 51. sensor, 52. rewards, 53. diagram, 54. computation, 55. beetle, 56. manually, 57. passe



58. They study the \_\_\_\_\_ of the universe.

*n.* a gradual process of transformation of living things

59. Corruption is an \_\_\_\_\_ act for any reason.

*adj.* profoundly immoral, cruel, and wicked; having or exerting a harmful effect on people

60. The Prime Minister will pay a courtesy visit to the Nobel laureate's \_\_\_\_\_.

*n.* a workplace for the conduct of scientific research; a laboratory

61. The \_\_\_\_\_ beauty of the painting was immediately apparent to all who viewed it.

*adj.* belonging naturally; essential

ANSWERS: 58. evolution, 59. evil, 60. lab, 61. intrinsic