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Vocabulary Builder Reference from...

Ayanna Howard: Make robots smarter | TED Talk

https://www.ted.com/talks/ayanna_howard_make_robots_smarter

All Words

IMPORTANT

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Session 1: Word List

convenience

n. the state of being suitable or opportune

synonym: availability, usefulness, amenity

(1) **convenience** goods, (2) for **convenience** sake

They offered the **convenience** of an installment plan.

depart

v. to go away or leave, especially to start a journey

synonym: go away, leave, vacate

(1) arrive and **depart** on time, (2) **depart** from the faith

We **departed** before the temperature fell below zero.

cashier

n. an employee responsible for handling transactions, such as payments or returns, in a store or other business

synonym: teller, clerk

(1) **cashier** position, (2) bank **cashier**

After working as a **cashier** for a few years, she was promoted to a managerial position within the grocery store.

argue

v. to express differing opinions or points of view, often in a heated or contentious manner; to present a case or reasoning to persuade or convince others

synonym: debate, dispute, quarrel

(1) **argue** a case, (2) **argue** passionately

The couple began to **argue** over which restaurant to go to for dinner.

rover

n. a vehicle designed to travel over rough terrain, especially on the surface of a planet or moon

synonym : vehicle, robot, explorer

(1) **rover** mission, (2) lunar **rover**

The **rover** on Mars is gathering data on the planet's surface and sending it back to Earth.

mar

v. to damage or spoil the appearance or surface of something

synonym : damage, deface, disfigure

(1) **mar** a proper relationship, (2) **mar** the reputation

The scratches on the car **marred** its otherwise perfect appearance.

expand

v. to increase or to make something greater in size, number, or importance

synonym : extend, grow, boost

(1) **expand** a lineup, (2) **expand** agricultural output

They hope to **expand** their business worldwide.

manufacture

v. to make goods in large numbers, usually in a factory using machines

synonym : create, fabricate, assemble

(1) **manufacture** an enzyme, (2) **manufacture** a product

The majority of synthetic vitamins are **manufactured** from oil.

military

adj. relating to or characteristic of members of the armed forces; of or relating to war or warfare

synonym : armed, martial, warlike

(1) a **military** operation, (2) a **military** leader

The **military** academy was known for its strict discipline and training.

dispose

v. to put things or people in a particular manner or position; to incline someone towards a specific activity or mood; throw or cast away

synonym : get rid of, arrange, set

(1) **dispose** battleships for a battle, (2) **dispose** of a used product

Generally speaking, the child is innately **disposed** to learn a language.

bomb

n. a weapon that explodes and is used to kill or injure people or to cause damage to something

synonym: missile, explosive, ammunition

(1) atomic **bombs**, (2) disarm the **bomb**

The use of cluster **bombs** is strictly prohibited by international law.

chef

n. a cook, especially the chief cook in a restaurant or hotel

synonym: cook, culinary artist, gastronomer

(1) **chef** knife, (2) master **chef**

The **chef** at the restaurant was known for his creative and delicious dishes.

definition

n. a concise explanation of the meaning of a word, phrase, or symbol

synonym: description, connotation, meaning

(1) a precise **definition**, (2) the **definition** of a word

Parallel lines are, by **definition**, lines on the same plane that never cross.

conduct

v. to organize and carry out a particular activity

synonym: behave, lead, carry on

(1) **conduct** a background check, (2) **conduct** research

Police will **conduct** random breath testing for drunk driving.

boundary

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

synonym: border, frontier, limitation

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

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

gunfire.

engagement

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

synonym: betrothal, promise, commitment

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

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

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.

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**.

complexity

n. the state or quality of being complicated or intricate and difficult to understand

synonym: intricacy, sophistication, elaboration

(1) cognitive **complexity**, (2) **complexity** theory

The project's **complexity** made it difficult for the team to complete it on time.

observe

v. to watch or notice something carefully, often to gather information or insights; to take note of something or someone; to celebrate or commemorate a special event or occasion

synonym: watch, monitor, scrutinize

(1) **observe** a tradition, (2) **observe** wildlife

It is important to **observe** safety procedures in the workplace to prevent accidents.

emotion

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

synonym: feeling, sentiment, passion

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

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

vary

v. to become different in terms of size, shape, etc.

synonym: alter, contrast, differ

(1) **vary** according to the age, (2) **vary** directly with the price

Maximum heart rates **vary** a lot for each individual.

electrical

adj. relating to electricity

(1) an **electrical** storm, (2) degree in **electrical** engineering

Actuators convert **electrical** pulses into motion.

engineer

n. a person whose job is designing, building, or maintaining something such as machines, structures, or software

synonym: architect, creator, builder

(1) a civil **engineer**, (2) **engineer** shortage

The **engineer** will repair my telephone tomorrow morning.

psychology

n. the scientific study of mind and behavior

(1) **psychology** experiment, (2) **psychology** of crowd

She had a master's degree in **psychology**.

infant

n. a baby or very young child

synonym: baby, newborn, tot

(1) **infant** daughter, (2) **infant** food

Mozart was an **infant** prodigy.

develop

v. to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created

synonym: evolve, progress, advance

(1) **develop** a strategy, (2) **develop** a skill

We must **develop** a new system to streamline our workflow and increase efficiency.

interact

v. to communicate or react with somebody

synonym: cooperate, combine, collaborate

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

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

tap

v. to hit someone or something quickly, gently, and often repeatedly; to use existing resources, such as energy, knowledge, etc.

synonym: knock, exploit, use

(1) **tap** a new market, (2) **tap** keyboard with an index finger

To expand the company, we must **tap** new human resources.

communicate

v. to share or exchange information with others by speaking, writing, moving your body, or using other signals

synonym: convey, share, transmit

(1) **communicate** his anxieties to the psychiatrist,

(2) **communicate** well with my advisor

Dolphins use sound to **communicate** with each other.

mechanism

n. a part of a machine, or a set of parts that performs a task; a natural or established process that occurs during a specific situation or reaction

synonym: means, method, system

(1) the **mechanism** for DNA replication, (2) defense **mechanism**

He discovered unique **mechanisms** for photochemical reactions.

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**.

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.

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.

environment

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

synonym: atmosphere, surroundings, climate

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

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

contribute

v. to give something, especially money or goods, to provide or achieve something together with other people

synonym: donate, devote, commit

(1) **contribute** a large sum of money to the fund,

(2) **contribute** to society

Government workers cannot **contribute** to political campaigns.

snapshot

n. an informal photograph, especially one taken quickly

synonym: photo, picture, print

(1) take a **snapshot**, (2) developed **snapshot**

There were framed **snapshots** of family and friends in her room.

recognize

v. to acknowledge or realize something or someone; to identify, remember, or become aware of something that was previously known or encountered

synonym: acknowledge, identify, admit

(1) **recognize** talent, (2) **recognize** achievement

It's important to **recognize** your strengths and weaknesses.

awareness

n. the fact or state of knowing something exists and is important

synonym: understanding, cognition, knowledge

(1) **awareness** of my ignorance, (2) raise public **awareness**

There has been a gradual but steady rise in environmental **awareness**.

intelligence

n. the ability to learn, comprehend, or make judgments or conclusions based on reasons

synonym: brains, brightness, cleverness

(1) an **intelligence** test, (2) field of artificial **intelligence**

In terms of **intelligence**, he was head and shoulders above his classmates.

pitch

n. the property of sound that varies with variation in the frequency of vibration; the degree of a slope, especially of a roof; short presentation for selling or sharing something

synonym: angle, gradient, slope

(1) make a **pitch** for a new product, (2) a low- **pitched** sound

Her voice gradually increased in **pitch**.

improve

v. to make or become better

synonym: enhance, ameliorate, enrich

(1) **improve** a process, (2) **improve** the test score

We want to **improve** ties between our two countries.

physiology

n. the branch of the biological sciences dealing with the functioning of organisms

(1) human **physiology**, (2) **physiology** research

Physiology is the science of how living things work.

instrument

n. an object used to make musical sounds, such as a piano, guitar, or drum; a tool or device used for a specific activity, particularly in specialist or scientific work

synonym: apparatus, tool, device

(1) musical **instruments**, (2) surgical **instruments**

This electronic **instrument** is required to undergo periodic inspections to ensure precision.

violin

n. a four-stringed wooden musical instrument held against the neck and played by passing a bow across the strings

synonym: fiddle

(1) **violin** soloist, (2) play the **violin**

The cello is a member of the **violin** family.

instruct

v. to teach someone practical skills or knowledge; to formally order or tell someone to do something

synonym: train, coach, guide

(1) **instruct** a student, (2) **instruct** a computer

The facility manager **instructed** the security guards to be on high alert.

bow

v. to bend your knee or body, or lower your head; (noun) a weapon made of a curved piece of wood or other flexible material, strung with a cord and used to shoot arrows

synonym: bend, curve, arch

(1) **bow** and greet, (2) a **bow** wave

She **bowed** to the audience after her performance.

methodology

n. a set of ways or principles of doing, teaching, or studying something

synonym: procedure, approach, process

(1) **methodology** for optimizing, (2) research **methodology**
We are developing a new **methodology** for assessing marketing measures.

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.

creative

adj. relating to or involving the use of skill and original and unusual ideas to create something

synonym: imaginative, innovative, inventive

(1) **creative** writing, (2) barren of **creative** spirit

All the supervisor has to do is assign tasks that make his subordinates more **creative**.

imaginary

adj. existing only in someone's mind

synonym: fictional, ideal, fantastical

(1) **imaginary** number, (2) **imaginary** pregnancy

Little children tend to have **imaginary** friends.

app

n. (abbreviation for application) software designed to run on smartphones and other mobile devices or inside a web browser on a PC

synonym: application, software

(1) killer **app**, (2) cannot log in to the **app**

The discovery of a critical bug caused the company to delay the **app's** release.

tablet

n. a small flat electronic device used for browsing the internet, reading, writing, or playing games; a small, solid pill of medicine

synonym: notepad, pill, medication

(1) a multivitamin **tablet**, (2) **tablet** keyboard

The new **tablet** device has a faster processor and better graphics than its predecessor.

smartphone

n. a mobile phone that functions as a computer and connects to the Internet

(1) **smartphone** app developer, (2) **smartphone** addict
Internet traffic volumes have increased significantly with the advent of **smartphones**.

compose

v. to write music, poetry, or formal writing; to constitute or make up a whole, or a specified part of it

synonym: compile, constitute, build

(1) **compose** an essay, (2) **compose** my thoughts

The structure is **composed** of three main components.

twinkle

v. to shine with a flickering or sparkling light; (noun) the act of shining in a bright and cheerful way

synonym: sparkle, shine, glitter

(1) **twinkle** like a star, (2) the **twinkle** of the stars

His eyes **twinkled** with mischief.

interaction

n. the act of connecting with someone, mainly when working, playing, or spending time with them

synonym: dealings, exchange, relations

(1) the **interaction** between man and his environment,

(2) **interaction** among human beings

The **interaction** of the two groups is good for brainstorming.

mate

n. a person's partner in marriage or romantic relationship; an animal's sexual partner; a peer or friend; (of the game of chess) checkmate, which is the winning condition of the game

synonym: companion, partner, spouse

(1) smoking **mate**, (2) dog-loving **mate**

I need to find a **mate** for my female guinea pig so she doesn't get lonely.

gaze

v. to stare at something or someone for an extended time, usually out of surprise or adoration, or because you are thinking about something else

synonym : stare, gawk, look

(1) **gaze** steadily at his face, (2) **gaze** absently out a window

The youngster was **gazed** at by the beast.

Session 2: Spelling

1. lunar ro__r *n.* a vehicle designed to travel over rough terrain, especially on the surface of a planet or moon
2. re_____ze achievement *v.* to acknowledge or realize something or someone; to identify, remember, or become aware of something that was previously known or encountered
3. disarm the b__b *n.* a weapon that explodes and is used to kill or injure people or to cause damage to something
4. barren of cr_____ve spirit *adj.* relating to or involving the use of skill and original and unusual ideas to create something
5. arrive and de___t on time *v.* to go away or leave, especially to start a journey
6. ca_____r position *n.* an employee responsible for handling transactions, such as payments or returns, in a store or other business
7. m_r the reputation *v.* to damage or spoil the appearance or surface of something
8. mi__c a human voice *v.* to imitate someone's speech, movement, or behavior, especially to make others laugh
9. in_____ct a computer *v.* to teach someone practical skills or knowledge; to formally order or tell someone to do something

ANSWERS: 1. rover, 2. recognize, 3. bomb, 4. creative, 5. depart, 6. cashier, 7. mar, 8. mimic, 9. instruct

10. musical ins_____nts *n.* an object used to make musical sounds, such as a piano, guitar, or drum; a tool or device used for a specific activity, particularly in specialist or scientific work
11. de____t from the faith *v.* to go away or leave, especially to start a journey
12. permanent br__n damage *n.* the organ inside the head that is responsible for one's movement, thought, memory, and feeling
13. killer a_p *n.* (abbreviation for application) software designed to run on smartphones and other mobile devices or inside a web browser on a PC
14. play the vi____n *n.* a four-stringed wooden musical instrument held against the neck and played by passing a bow across the strings
15. 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
16. in_____ct a student *v.* to teach someone practical skills or knowledge; to formally order or tell someone to do something
17. com_____te his anxieties to the psychiatrist *v.* to share or exchange information with others by speaking, writing, moving your body, or using other signals
18. the branch of neu_____nce *n.* the scientific study of the function, structure, and disorder of the brain and the nervous system

ANSWERS: 10. instrument, 11. depart, 12. brain, 13. app, 14. violin, 15. neuron, 16. instruct, 17. communicate, 18. neuroscience

19. de____p a strategy *v.* to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created
20. ar__e passionately *v.* to express differing opinions or points of view, often in a heated or contentious manner; to present a case or reasoning to persuade or convince others
21. im_____ry number *adj.* existing only in someone's mind
22. a civil en_____er *n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software
23. re_____ze talent *v.* to acknowledge or realize something or someone; to identify, remember, or become aware of something that was previously known or encountered
24. make a pi__h for a new product *n.* the property of sound that varies with variation in the frequency of vibration; the degree of a slope, especially of a roof; short presentation for selling or sharing something
25. atomic b__bs *n.* a weapon that explodes and is used to kill or injure people or to cause damage to something
26. int_____on among human beings *n.* the act of connecting with someone, mainly when working, playing, or spending time with them

ANSWERS: 19. develop, 20. argue, 21. imaginary, 22. engineer, 23. recognize, 24. pitch, 25. bomb, 26. interaction

27. co_____t research *v.* to organize and carry out a particular activity
28. man_____re a product *v.* to make goods in large numbers, usually in a factory using machines
29. an ele_____al storm *adj.* relating to electricity
30. psy_____gy of crowd *n.* the scientific study of mind and behavior
31. sma_____ne addict *n.* a mobile phone that functions as a computer and connects to the Internet
32. the bo_____ry between reality and fantasy *n.* a real or imaginary line that marks the limit or extent of something and separates it from other things or places
33. vi____n soloist *n.* a four-stringed wooden musical instrument held against the neck and played by passing a bow across the strings
34. human phy_____gy *n.* the branch of the biological sciences dealing with the functioning of organisms
35. 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
36. basic br____n function *n.* the organ inside the head that is responsible for one's movement, thought, memory, and feeling
37. afraid to show em_____n *n.* a strong feeling such as love, anger, etc. deriving from one's situation, mood, or relationships with others

ANSWERS: 27. conduct, 28. manufacture, 29. electrical, 30. psychology, 31. smartphone, 32. boundary, 33. violin, 34. physiology, 35. neuron, 36. brain, 37. emotion

38. m_r a proper relationship *v.* to damage or spoil the appearance or surface of something
39. mi__c numerous instruments *v.* to imitate someone's speech, movement, or behavior, especially to make others laugh
40. ex___d agricultural output *v.* to increase or to make something greater in size, number, or importance
41. break off an eng_____nt *n.* a mutual promise to marry someone; an agreement to do something, especially at a particular time
42. take a sn_____ot *n.* an informal photograph, especially one taken quickly
43. a mi_____ry operation *adj.* relating to or characteristic of members of the armed forces; of or relating to war or warfare
44. ta___t keyboard *n.* a small flat electronic device used for browsing the internet, reading, writing, or playing games; a small, solid pill of medicine
45. defense me_____sm *n.* a part of a machine, or a set of parts that performs a task; a natural or established process that occurs during a specific situation or reaction
46. g__e steadily at his face *v.* to stare at something or someone for an extended time, usually out of surprise or adoration, or because you are thinking about something else
47. degree in ele_____al engineering *adj.* relating to electricity
48. di_____e battleships for a battle *v.* to put things or people in a particular manner or position; to incline someone towards a specific activity or mood; throw or cast away

ANSWERS: 38. mar, 39. mimic, 40. expand, 41. engagement, 42. snapshot, 43. military, 44. tablet, 45. mechanism, 46. gaze, 47. electrical, 48. dispose

49. env_____nt affairs *n.* the natural world such as air, water, and land in which humans, animals, and plants live
50. chaotic env_____nt *n.* the natural world such as air, water, and land in which humans, animals, and plants live
51. a prior eng_____nt *n.* a mutual promise to marry someone; an agreement to do something, especially at a particular time
52. t_p keyboard with an index finger *v.* to hit someone or something quickly, gently, and often repeatedly; to use existing resources, such as energy, knowledge, etc.
53. man_____re an enzyme *v.* to make goods in large numbers, usually in a factory using machines
54. a low-pi__hed sound *n.* the property of sound that varies with variation in the frequency of vibration; the degree of a slope, especially of a roof; short presentation for selling or sharing something
55. surgical ins_____nts *n.* an object used to make musical sounds, such as a piano, guitar, or drum; a tool or device used for a specific activity, particularly in specialist or scientific work
56. fa_____te the young *v.* to attract and hold the attention of someone deeply and irresistibly
57. co_____e an essay *v.* to write music, poetry, or formal writing; to constitute or make up a whole, or a specified part of it

ANSWERS: 49. environment, 50. environment, 51. engagement, 52. tap, 53. manufacture, 54. pitch, 55. instrument, 56. fascinate, 57. compose

58. in___t food *n.* a baby or very young child
59. co_____e my thoughts *v.* to write music, poetry, or formal writing; to constitute or make up a whole, or a specified part of it
60. bank ca_____r *n.* an employee responsible for handling transactions, such as payments or returns, in a store or other business
61. cognitive com_____ty *n.* the state or quality of being complicated or intricate and difficult to understand
62. for con_____ce sake *n.* the state of being suitable or opportune
63. smoking m___e *n.* a person's partner in marriage or romantic relationship; an animal's sexual partner; a peer or friend; (of the game of chess) checkmate, which is the winning condition of the game
64. master c___f *n.* a cook, especially the chief cook in a restaurant or hotel
65. raise public aw_____ss *n.* the fact or state of knowing something exists and is important
66. geographical bo_____ry *n.* a real or imaginary line that marks the limit or extent of something and separates it from other things or places
67. in_____ct with one another *v.* to communicate or react with somebody
68. DC mo___r control *n.* a device that converts electricity, fuel, etc. into movement and makes a machine, vehicle, etc. work
69. phy_____gy research *n.* the branch of the biological sciences dealing with the functioning of organisms

ANSWERS: 58. infant, 59. compose, 60. cashier, 61. complexity, 62. convenience, 63. mate, 64. chef, 65. awareness, 66. boundary, 67. interact, 68. motor, 69. physiology

70. v__y according to the age *v.* to become different in terms of size, shape, etc.
71. ro__r mission *n.* a vehicle designed to travel over rough terrain, especially on the surface of a planet or moon
72. con_____te a large sum of money to the fund *v.* to give something, especially money or goods, to provide or achieve something together with other people
73. tw_____e like a star *v.* to shine with a flickering or sparkling light; (noun) the act of shining in a bright and cheerful way
74. c__f knife *n.* a cook, especially the chief cook in a restaurant or hotel
75. con_____te to society *v.* to give something, especially money or goods, to provide or achieve something together with other people
76. in_____ct directly with customers *v.* to communicate or react with somebody
77. v__y directly with the price *v.* to become different in terms of size, shape, etc.
78. a mo__r mechanic *n.* a device that converts electricity, fuel, etc. into movement and makes a machine, vehicle, etc. work
79. dog-loving m__e *n.* a person's partner in marriage or romantic relationship; an animal's sexual partner; a peer or friend; (of the game of chess) checkmate, which is the winning condition of the game
80. a multivitamin ta____t *n.* a small flat electronic device used for browsing the internet, reading, writing, or playing games; a small, solid pill of medicine

ANSWERS: 70. vary, 71. rover, 72. contribute, 73. twinkle, 74. chef, 75. contribute, 76. interact, 77. vary, 78. motor, 79. mate, 80. tablet

81. in___t daughter *n.* a baby or very young child
82. aw_____ss of my ignorance *n.* the fact or state of knowing something exists and is important
83. ar__e a case *v.* to express differing opinions or points of view, often in a heated or contentious manner; to present a case or reasoning to persuade or convince others
84. di_____e of a used product *v.* to put things or people in a particular manner or position; to incline someone towards a specific activity or mood; throw or cast away
85. a b_w wave *v.* to bend your knee or body, or lower your head; (noun) a weapon made of a curved piece of wood or other flexible material, strung with a cord and used to shoot arrows
86. cr_____ve writing *adj.* relating to or involving the use of skill and original and unusual ideas to create something
87. cannot log in to the a_p *n.* (abbreviation for application) software designed to run on smartphones and other mobile devices or inside a web browser on a PC
88. com_____te well with my advisor *v.* to share or exchange information with others by speaking, writing, moving your body, or using other signals
89. com_____ty theory *n.* the state or quality of being complicated or intricate and difficult to understand
90. developed sn_____ot *n.* an informal photograph, especially one taken quickly

ANSWERS: 81. infant, 82. awareness, 83. argue, 84. dispose, 85. bow, 86. creative, 87. app, 88. communicate, 89. complexity, 90. snapshot

91. ob____e a tradition *v.* to watch or notice something carefully, often to gather information or insights; to take note of something or someone; to celebrate or commemorate a special event or occasion
92. the tw____e of the stars *v.* to shine with a flickering or sparkling light; (noun) the act of shining in a bright and cheerful way
93. control my em____n *n.* a strong feeling such as love, anger, etc. deriving from one's situation, mood, or relationships with others
94. sma_____ne app developer *n.* a mobile phone that functions as a computer and connects to the Internet
95. im____e a process *v.* to make or become better
96. field of artificial int_____nce *n.* the ability to learn, comprehend, or make judgments or conclusions based on reasons
97. the int_____on between man and his environment *n.* the act of connecting with someone, mainly when working, playing, or spending time with them
98. a theoretical concept in neu_____nce *n.* the scientific study of the function, structure, and disorder of the brain and the nervous system
99. im____e the test score *v.* to make or become better
100. g__e absently out a window *v.* to stare at something or someone for an extended time, usually out of surprise or adoration, or because you are thinking about something else

ANSWERS: 91. observe, 92. twinkle, 93. emotion, 94. smartphone, 95. improve, 96. intelligence, 97. interaction, 98. neuroscience, 99. improve, 100. gaze

101. de____p a skill v. to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created
102. t_p a new market v. to hit someone or something quickly, gently, and often repeatedly; to use existing resources, such as energy, knowledge, etc.
103. met____gy for optimizing n. a set of ways or principles of doing, teaching, or studying something
104. an int____nce test n. the ability to learn, comprehend, or make judgments or conclusions based on reasons
105. con____ce goods n. the state of being suitable or opportune
106. b_w and greet v. to bend your knee or body, or lower your head; (noun) a weapon made of a curved piece of wood or other flexible material, strung with a cord and used to shoot arrows
107. the def____on of a word n. a concise explanation of the meaning of a word, phrase, or symbol
108. research met____gy n. a set of ways or principles of doing, teaching, or studying something
109. ob____e wildlife v. to watch or notice something carefully, often to gather information or insights; to take note of something or someone; to celebrate or commemorate a special event or occasion

ANSWERS: 101. develop, 102. tap, 103. methodology, 104. intelligence, 105. convenience, 106. bow, 107. definition, 108. methodology, 109. observe

110. ex___d a lineup *v.* to increase or to make something greater in size, number, or importance
111. en_____er shortage *n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software
112. co_____t a background check *v.* to organize and carry out a particular activity
113. the me_____sm for DNA replication *n.* a part of a machine, or a set of parts that performs a task; a natural or established process that occurs during a specific situation or reaction
114. im_____ry pregnancy *adj.* existing only in someone's mind
115. a precise def_____on *n.* a concise explanation of the meaning of a word, phrase, or symbol
116. fa_____te the public *v.* to attract and hold the attention of someone deeply and irresistibly
117. psy_____gy experiment *n.* the scientific study of mind and behavior
118. a mi_____ry leader *adj.* relating to or characteristic of members of the armed forces; of or relating to war or warfare

ANSWERS: 110. expand, 111. engineer, 112. conduct, 113. mechanism, 114. imaginary, 115. definition, 116. fascinate, 117. psychology, 118. military

Session 3: Fill in the Blanks

1. Government workers cannot _____ to political campaigns.
v. to give something, especially money or goods, to provide or achieve something together with other people
2. The _____ academy was known for its strict discipline and training.
adj. relating to or characteristic of members of the armed forces; of or relating to war or warfare
3. The use of cluster _____ is strictly prohibited by international law.
n. a weapon that explodes and is used to kill or injure people or to cause damage to something
4. Parallel lines are, by _____ lines on the same plane that never cross.
n. a concise explanation of the meaning of a word, phrase, or symbol
5. The magic tricks _____ the children.
v. to attract and hold the attention of someone deeply and irresistibly
6. The scratches on the car _____ its otherwise perfect appearance.
v. to damage or spoil the appearance or surface of something
7. Dolphins use sound to _____ with each other.
v. to share or exchange information with others by speaking, writing, moving your body, or using other signals
8. We want to _____ ties between our two countries.
v. to make or become better

ANSWERS: 1. contribute, 2. military, 3. bombs, 4. definition, 5. fascinated, 6. marred, 7. communicate, 8. improve

9. In terms of _____ he was head and shoulders above his classmates.
- n.* the ability to learn, comprehend, or make judgments or conclusions based on reasons
10. This electronic _____ is required to undergo periodic inspections to ensure precision.
- n.* an object used to make musical sounds, such as a piano, guitar, or drum; a tool or device used for a specific activity, particularly in specialist or scientific work
11. Internet traffic volumes have increased significantly with the advent of _____.
- n.* a mobile phone that functions as a computer and connects to the Internet
12. His eyes _____ with mischief.
- v.* to shine with a flickering or sparkling light; (noun) the act of shining in a bright and cheerful way
13. The couple began to _____ over which restaurant to go to for dinner.
- v.* to express differing opinions or points of view, often in a heated or contentious manner; to present a case or reasoning to persuade or convince others
14. The _____ at the restaurant was known for his creative and delicious dishes.
- n.* a cook, especially the chief cook in a restaurant or hotel
15. 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
16. The _____ of the two groups is good for brainstorming.
- n.* the act of connecting with someone, mainly when working, playing, or spending time with them

ANSWERS: 9. intelligence, 10. instrument, 11. smartphones, 12. twinkled, 13. argue, 14. chef, 15. neuroscience, 16. interaction

17. _____ is the science of how living things work.
- n.* the branch of the biological sciences dealing with the functioning of organisms
18. The majority of synthetic vitamins are _____ from oil.
- v.* to make goods in large numbers, usually in a factory using machines
19. The _____ on Mars is gathering data on the planet's surface and sending it back to Earth.
- n.* a vehicle designed to travel over rough terrain, especially on the surface of a planet or moon
20. To expand the company, we must ____ new human resources.
- v.* to hit someone or something quickly, gently, and often repeatedly; to use existing resources, such as energy, knowledge, etc.
21. The discovery of a critical bug caused the company to delay the _____ release.
- n.* (abbreviation for application) software designed to run on smartphones and other mobile devices or inside a web browser on a PC
22. The new _____ device has a faster processor and better graphics than its predecessor.
- n.* a small flat electronic device used for browsing the internet, reading, writing, or playing games; a small, solid pill of medicine
23. 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
24. 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

ANSWERS: 17. Physiology, 18. manufactured, 19. rover, 20. tap, 21. app's, 22. tablet, 23. motors, 24. brain

25. The facility manager _____ the security guards to be on high alert.
- v. to teach someone practical skills or knowledge; to formally order or tell someone to do something
26. We _____ before the temperature fell below zero.
- v. to go away or leave, especially to start a journey
27. She _____ to the audience after her performance.
- v. to bend your knee or body, or lower your head; (noun) a weapon made of a curved piece of wood or other flexible material, strung with a cord and used to shoot arrows
28. I need to find a _____ for my female guinea pig so she doesn't get lonely.
- n. a person's partner in marriage or romantic relationship; an animal's sexual partner; a peer or friend; (of the game of chess) checkmate, which is the winning condition of the game
29. Police will _____ random breath testing for drunk driving.
- v. to organize and carry out a particular activity
30. Generally speaking, the child is innately _____ to learn a language.
- v. to put things or people in a particular manner or position; to incline someone towards a specific activity or mood; throw or cast away
31. 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
32. Her voice gradually increased in _____.
- n. the property of sound that varies with variation in the frequency of vibration; the degree of a slope, especially of a roof; short presentation for selling or sharing something

ANSWERS: 25. instructed, 26. departed, 27. bowed, 28. mate, 29. conduct, 30. disposed, 31. neuron, 32. pitch

33. After working as a _____ for a few years, she was promoted to a managerial position within the grocery store.
- n.* an employee responsible for handling transactions, such as payments or returns, in a store or other business
34. There were framed _____ of family and friends in her room.
- n.* an informal photograph, especially one taken quickly
35. He wandered the _____ between life and death by gunfire.
- n.* a real or imaginary line that marks the limit or extent of something and separates it from other things or places
36. It is important to _____ safety procedures in the workplace to prevent accidents.
- v.* to watch or notice something carefully, often to gather information or insights; to take note of something or someone; to celebrate or commemorate a special event or occasion
37. Every human is responsible for taking care of the Earth's _____.
- n.* the natural world such as air, water, and land in which humans, animals, and plants live
38. Maximum heart rates _____ a lot for each individual.
- v.* to become different in terms of size, shape, etc.
39. There has been a gradual but steady rise in environmental _____.
- n.* the fact or state of knowing something exists and is important
40. He should _____ more with his colleagues.
- v.* to communicate or react with somebody

ANSWERS: 33. cashier, 34. snapshots, 35. boundary, 36. observe, 37. environment, 38. vary, 39. awareness, 40. interact

41. Actuators convert _____ pulses into motion.

adj. relating to electricity

42. The youngster was _____ at by the beast.

v. to stare at something or someone for an extended time, usually out of surprise or adoration, or because you are thinking about something else

43. The project's _____ made it difficult for the team to complete it on time.

n. the state or quality of being complicated or intricate and difficult to understand

44. The _____ will repair my telephone tomorrow morning.

n. a person whose job is designing, building, or maintaining something such as machines, structures, or software

45. Some _____ are common across cultures and backgrounds.

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

46. She had a master's degree in _____.

n. the scientific study of mind and behavior

47. It's important to _____ your strengths and weaknesses.

v. to acknowledge or realize something or someone; to identify, remember, or become aware of something that was previously known or encountered

48. They offered the _____ of an installment plan.

n. the state of being suitable or opportune

49. We must _____ a new system to streamline our workflow and increase efficiency.

v. to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created

ANSWERS: 41. electrical, 42. gazed, 43. complexity, 44. engineer, 45. emotions, 46. psychology, 47. recognize, 48. convenience, 49. develop

50. Mozart was an _____ prodigy.

n. a baby or very young child

51. All the supervisor has to do is assign tasks that make his subordinates more _____.

adj. relating to or involving the use of skill and original and unusual ideas to create something

52. Little children tend to have _____ friends.

adj. existing only in someone's mind

53. 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

54. The cello is a member of the _____ family.

n. a four-stringed wooden musical instrument held against the neck and played by passing a bow across the strings

55. We are developing a new _____ for assessing marketing measures.

n. a set of ways or principles of doing, teaching, or studying something

56. They selected a gorgeous diamond _____ ring.

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

57. He discovered unique _____ for photochemical reactions.

n. a part of a machine, or a set of parts that performs a task; a natural or established process that occurs during a specific situation or reaction

ANSWERS: 50. infant, 51. creative, 52. imaginary, 53. mimic, 54. violin, 55. methodology, 56. engagement, 57. mechanisms

58. The structure is _____ of three main components.

- v. to write music, poetry, or formal writing; to constitute or make up a whole, or a specified part of it

59. They hope to _____ their business worldwide.

- v. to increase or to make something greater in size, number, or importance

ANSWERS: 58. composed, 59. expand