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Vocabulary Builder Reference from...

Shannon Odell: What's the smartest age? | TED Talk
https://www.ted.com/talks/shannon_odell_what_s_the_smartest_age

All Words

IMPORTANT

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Session 1: Word List

competition

n. a situation in which someone is attempting to beat or outperform another

synonym : contest, match, fight

(1) the first round of the **competition**, (2) intraspecific **competition**

Global **competition** is rising in virtually every industry.

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**.

clash

n. a fight or argument between two groups of people; a loud noise caused by striking against something

synonym : blow, conflict, disagreement

(1) a **clash** of viewpoints, (2) a **clash** between the two task forces

Her dress was a disturbing **clash** of colors.

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.

decathlon

n. a combined event in athletics consisting of ten track and field events

(1) **decathlon** athlete, (2) put himself in for the **decathlon**
He won Olympic gold medals in the **decathlon**.

trivia

n. details or information that are unimportant
synonym: minutiae, trifles

(1) **trivia** question, (2) a useful piece of **trivia**
She has a wide variety of knowledge of pop **trivia**.

puzzle

n. a situation that is difficult to follow or solve; a game, problem, or toy that tests a person's ingenuity or knowledge; (verb) to cause someone to feel confused because of something difficult to understand

synonym: plight, maze, (verb) perplex

(1) crossword **puzzle**, (2) mathematical **puzzle**

This jigsaw **puzzle** is challenging because there are no pictures.

roster

n. a list of people's names, often who are available to do a job

synonym: listing, enrollment, registration

(1) **roster** index, (2) **roster** of cabinet

The club has notable celebrities on the **roster**.

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.

fluent

adj. able to communicate in a specific language smoothly or effectively, or easily

synonym : eloquent, articulate, smooth-spoken

(1) **fluent** Chinese, (2) in a **fluent** tone

She learned five languages but is only **fluent** in two of them.

ultimate

adj. furthest or highest in degree or order

synonym : highest, maximum, foremost

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

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

recite

v. to say a poem, piece of literature, etc. aloud from memory,

synonym : repeat, replicate, recount

(1) **recite** a charm, (2) **recite** a long list of the article

He could **recite** all of Shakespeare's works.

digit

n. one of the elements that collectively form a system of numeration; a finger, thumb, or toe

synonym : number, integer, numeral

(1) **digit** identifier, (2) the **digit** in the hundreds place

We must enter a six- **digit** number to unlock the safe.

pi

n. a mathematical constant that is the ratio of a circle's circumference to its diameter, approximately equal to 3.14159

(1) the mathematical constant **pi**, (2) number **pi**

He can recite **pi** to 1000 digits.

satellite

n. an electronic device that is sent up into space and moves around the Earth or another planet, used for gathering information or communicating by radio, television, etc.

synonym : orbiter, asteroid, moon

(1) a GPS **satellite**, (2) a meteorological **satellite**

Launching an artificial **satellite** contributed to the technological development of our country.

champion

n. someone who has won first place in a competition; someone who fights for a specific group of people or a belief

synonym : victor, winner, fighter

(1) a **champion** of peace, (2) the grand **champion**

The **champion** bicyclist outrode all his competitors.

contest

n. a competition in which people compete for supremacy in a sport or other activity; a struggle between rivals

synonym : battle, competition, match

(1) a speech **contest**, (2) a close **contest**

There was a vast **contest** between the two tribes.

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.

associate

v. to mentally connect someone or something with someone or something else

synonym : tie in, link, consociate

(1) **associate** alcohol with gambling, (2) **associate** with people widely

The majority of consumers **associate** this brand with quality.

assess

v. to judge or decide the nature or quality of someone or something

synonym : estimate, evaluate, consider

(1) **assess** a tax of 10 pounds, (2) **assess** the quality

Our company needs to **assess** the business impact of climate change.

capture

v. to catch a person or an animal and confine them in an area which they cannot escape

synonym : catch, arrest, imprison

(1) **capture** a glimpse, (2) **capture** customers' hearts
I was able to **capture** the moment on film.

scope

n. the range of one's perceptions, thoughts, or actions, or a subject that

synonym: content, coverage, extent

(1) **scope** of a project, (2) have broad **scope**

The **scope** of human thought is diverse.

depth

n. the distance between the top and bottom of something; between the top surface and a distance below it

synonym: deepness, profoundness, extent

(1) **depth** camera, (2) the **depth** of the water

The pond's **depth** was around five feet.

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.

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**.

explore

v. to travel to or penetrate an area or a country to learn about it; to thoroughly examine a subject or a possibility to learn more about it

synonym: analyze, delve into, examine

(1) **explore** the world, (2) **explore** our options

The management must **explore** strategies to increase office security.

undergo

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

synonym : experience, suffer, endure

(1) **undergo** surgery, (2) **undergo** a decrease

The train has to **undergo** rigorous safety checks.

incredible

adj. unbelievable; enormous

synonym : unbelievable, fantastical, inconceivable

(1) **incredible** amount, (2) at **incredible** speed

Her response revealed **incredible** idiocy.

neural

adj. of or relating to a nerve or the nervous system that includes the brain

synonym : sensory, neuronic, nervous

(1) **neural** stem cells, (2) **neural** networks in AI

There was a disturbance of **neural** function.

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.

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**.

strengthen

v. to become stronger or more effective; to make someone or something stronger or more effective

synonym : reinforce, harden, boost

(1) **strengthen** the immune system, (2) **strengthen** a border patrol

Difficulties **strengthen** the mind, as labor does the body.

unused

adj. not being used, or never having been used

synonym : pristine, untouched, unaccustomed

(1) a bullet left **unused**, (2) an **unused** place

The old entrance area is now **unused**.

frequent

adj. happening constantly

synonym : periodic, recurring, routine

(1) **frequent** absence, (2) **frequent** use

His heartaches are less **frequent** now.

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.

pathway

n. a track that constitutes or serves as a path; an approach or a way of doing something

synonym : route, footpath, trail

(1) **pathway** to understanding, (2) cellular signaling

pathways

When the first molecule in the **pathway** receives a signal, it activates other molecules.

myelin

n. a white fatty substance that covers around nerves, helping them to send signals effectively

synonym : medulla

(1) **myelin** encasing the axons, (2) **myelin** protein

Myelin sheath allows electrical impulses to travel quickly and efficiently along the nerve cells.

wrap

v. to cover or enclose something entirely with paper, cloth, or other material

synonym : surround, cover, bandage

(1) **wrap** a fish in foil, (2) **wrap** up a meeting

Wrap the bandage tightly around the injured arm.

insulation

n. the act or process of covering something to stop heat, sound, electricity, etc. from passing through; the materials used for this

synonym: cushioning, covering, nonconductor

(1) additional sound **insulation**, (2) **insulation** board

He installed fiberglass **insulation** in the wall.

fine-tune

v. to make tiny changes or improvements to make it work as well as possible

synonym: adjust, calibrate, refine

(1) **fine-tune** financial systems, (2) **fine-tune** the engine

The government should not try to **fine-tune** the economy excessively based on a short-term prediction.

remodel

v. to change the structure or form of something

synonym: refurbish, remake, revamp

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

We are **remodeling** these rooms now.

flourish

v. to grow or develop vigorously or successfully

synonym: boom, advance, succeed

(1) **flourish** economically, (2) **flourish** worldwide

The Ottoman Empire **flourished** for over five centuries.

prefrontal

adj. in or about the foremost part of the frontal lobe of the brain

(1) **prefrontal** bone, (2) **prefrontal** region

Research shows that damage to the **prefrontal** cortex leads to increased aggression.

cortex

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

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

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

cognitive

adj. of or relating to mental processes of understanding
synonym : perceivable, mind, mental

(1) improve **cognitive** function, (2) research on **cognitive** psychology

His **cognitive** faculties were getting worse because of a lack of sleep.

inhibit

v. to prevent something, such as an action, process, etc., from happening or make it less likely to happen than normal

synonym : deter, hinder, impede

(1) **inhibit** desires, (2) **inhibit** tumor growth

Excessive parental interference may **inhibit** children's eagerness to learn.

struggle

v. to make a great effort to do something when it is difficult, or there are a lot of problems; to use force or violence to break away from restraint or constriction

synonym : toil, strive, compete

(1) **struggle** against discrimination, (2) **struggle** to get the job

He could not **struggle** against temptation.

strategy

n. a detailed plan of action designed to achieve a long-term or overall goal.

synonym : approach, procedure, scenario

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

Our plan includes a comprehensive marketing **strategy**.

constant

adj. happening repeatedly or all the time

synonym : ceaseless, stable, unchanging

(1) a **constant** wind, (2) a **constant** temperature

Constant dropping wears away the stone.

concentration

n. the ability to focus all your time and energy on one thing without thinking about anything else.

synonym : attention, engagement, assiduity

(1) **concentration** of armaments, (2) his research area of **concentration**

This exam requires excellent **concentration** to pass.

abstract

adj. based on general ideas, feelings, or qualities and not on any a physical or concrete existence

synonym: conceptual, theoretical, ideational

(1) an **abstract** noun, (2) **abstract** science

The invention of the camera triggered the development of **abstract** painting.

flexible

adj. able to change or be changed to suit new conditions or situations; able to bend easily

synonym: adaptable, elastic, pliable

(1) **flexible** schedules, (2) a **flexible** wire

You can be more **flexible** and creative in your approach.

exploration

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

synonym: inquiry, quest, investigation

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

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

riddle

n. a type of question that describes something in a difficult and confusing way, and that has a surprising answer, often asked as a game

synonym: mystery, puzzle, enigma

(1) **riddle** me a riddle, (2) solve the **riddle**

The **riddle** remains mysterious to us.

execute

v. to kill someone, especially as a legal punishment; to carry out or perform an action, duty, etc.

synonym: direct, conduct, enforce

(1) **execute** a bold strategy, (2) **execute** a double play

The mafioso who collaborated with the police was **executed**.

solver

n. a thinker who finds an answer to a problem or a difficult situation; a piece of software or the algorithm that solves a mathematical problem

synonym : thinker

(1) puzzle- **solver**, (2) linear **solver**

The flow **solver** is validated against the experiment.

crossword

n. a word puzzle consisting of a grid of black and white squares and blanks into which words crossing vertically and horizontally are written according to clues

(1) do a **crossword** puzzle, (2) good at **crossword** puzzles

He sat frowning over a **crossword** puzzle.

decline

v. to become gradually smaller, fewer, worse, etc.; to refuse to accept

synonym : descend, drop, deny

(1) **decline** a job offer, (2) **decline** in quality

As people age, their digestive capacity also gradually **declines**.

hippocampus

n. a major component of the brain of humans and other vertebrates that is part of the limbic system and is vital for memory

(1) involvement of the **hippocampus**, (2) neurons in the **hippocampus**

The **hippocampus** is crucial for learning and memory storage.

shrink

v. to become smaller, or to make something smaller in size or amount

synonym : decrease, diminish, shy away

(1) **shrink** the tumor, (2) **shrink** with fear

This shirt will **shrink** in the wash.

phrase

n. a group of words that mean something specific when used together

synonym : expression, idiom, term

(1) ready-made **phrases**, (2) noun **phrase**
We bought a Spanish **phrase** book.

lifetime

n. the duration of someone's life or something's existence;
synonym: lifespan, duration

(1) **lifetime** benefits, (2) **lifetime** ban from the sport
She had lived through two world wars in her **lifetime**.

recall

v. to remember something
synonym: remember, retrieve, recollect

(1) **recall** the incident, (2) **recall** his name
She vividly **recalls** getting laid off several years ago.

utilize

v. to use something for a practical purpose in an effective way
synonym: employ, use, operate

(1) **utilize** a different approach, (2) **utilize** a catheter
The cook **utilized** the leftover oxtail to make soup.

strength

n. the quality or state of being physically, or sometimes mentally, strong
synonym: resilience, power, muscles

(1) **strength** of the economy, (2) muscular **strength**
Health and **strength** are, above all, gold.

adolescent

n. a young person who is in the process of developing from a child into an adult
synonym: teen, preadult, youth

(1) **adolescent** girl, (2) pre- **adolescent** children
Timely education about birth control might help reduce **adolescent** pregnancies.

navigate

v. to plan and direct the way that a ship, plane, etc. will travel, often by using a map
synonym: guide, helm, voyage

(1) **navigate** the Pacific, (2) **navigate** through a document

Our knowledge helps **navigate** our clients successfully.

logic

n. a way of thinking or reasoning conducted or evaluated by strict validity principles; the study of correct reasoning or good arguments

synonym: reasoning, reason, ratiocination

(1) an indisputable **logic**, (2) a demonstration in **logic**

There's no **logic** in his description.

simultaneously

adv. at the same time

synonym: concurrently, coincidentally, together

(1) **simultaneously** affected, (2) take several inputs

simultaneously

Two students answered the teacher's question

simultaneously.

motivation

n. the reason or enthusiasm for acting or behaving in a particular way

synonym: inspiration, incentive, reason

(1) understand his **motivation**, (2) **motivation** for a change

A significant amount of **motivation** is required to be a teacher.

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**.

adventurous

adj. willing to take risks and try new or difficult things

synonym: daring, risk-taking, bold

(1) lead an **adventurous** life, (2) **adventurous** pioneers

He has an **adventurous** spirit and is unafraid of risks.

dynamic

adj. having a lot of energy, ideas, and enthusiasm, and a strong personality; of or relating to dynamics (= the branch of physics and engineering concerned with the

forces that cause motions of bodies)

synonym : energetic, active, vital

(1) a **dynamic** market, (2) **dynamic** person

The sprinter has a **dynamic** way of running.

adapt

v. to make fit for or change to suit a new purpose or environment

synonym : adjust, acclimate, accustom

(1) **adapt** fully to the environment, (2) **adapt** as needed

I advised him to **adapt** to his new surroundings.

priority

n. something that is more important than other things and should be dealt with first

synonym : importance, precedence, primacy

(1) **priority** call, (2) **priority** seating for elderly

Her **priority** is to be a mother.

diverse

adj. including numerous categories of individuals or entities; various

synonym : manifold, various, myriad

(1) **diverse** backgrounds, (2) a person of **diverse** talents

New York is a city with a **diverse** ethnic population.

Session 2: Spelling

- | | | |
|------------------------------------|----|--|
| 1. st____le against discrimination | v. | to make a great effort to do something when it is difficult, or there are a lot of problems; to use force or violence to break away from restraint or constriction |
| 2. ri___e me a riddle | n. | a type of question that describes something in a difficult and confusing way, and that has a surprising answer, often asked as a game |
| 3. ca_____e customers' hearts | v. | to catch a person or an animal and confine them in an area which they cannot escape |
| 4. v__y directly with the price | v. | to become different in terms of size, shape, etc. |
| 5. an indisputable lo__c | n. | a way of thinking or reasoning conducted or evaluated by strict validity principles; the study of correct reasoning or good arguments |
| 6. the di__t in the hundreds place | n. | one of the elements that collectively form a system of numeration; a finger, thumb, or toe |
| 7. as___s the quality | v. | to judge or decide the nature or quality of someone or something |
| 8. ex_____e our options | v. | to travel to or penetrate an area or a country to learn about it; to thoroughly examine a subject or a possibility to learn more about it |
| 9. sh___k with fear | v. | to become smaller, or to make something smaller in size or amount |

ANSWERS: 1. struggle, 2. riddle, 3. capture, 4. vary, 5. logic, 6. digit, 7. assess, 8. explore, 9. shrink

- | | | |
|---|-----------|--|
| 10. sh___k the tumor | <i>v.</i> | to become smaller, or to make something smaller in size or amount |
| 11. st____th of the economy | <i>n.</i> | the quality or state of being physically, or sometimes mentally, strong |
| 12. re___l his name | <i>v.</i> | to remember something |
| 13. de_____on athlete | <i>n.</i> | a combined event in athletics consisting of ten track and field events |
| 14. tr___a question | <i>n.</i> | details or information that are unimportant |
| 15. a close co_____t | <i>n.</i> | a competition in which people compete for supremacy in a sport or other activity; a struggle between rivals |
| 16. pre-ado_____nt children | <i>n.</i> | a young person who is in the process of developing from a child into an adult |
| 17. und_____ate an enemy | <i>v.</i> | to think or suppose that a quantity, price, or size is smaller than it is |
| 18. ex_____e a bold strategy | <i>v.</i> | to kill someone, especially as a legal punishment; to carry out or perform an action, duty, etc. |
| 19. intraspecific com_____on | <i>n.</i> | a situation in which someone is attempting to beat or outperform another |
| 20. a cl__h between the two task forces | <i>n.</i> | a fight or argument between two groups of people; a loud noise caused by striking against something |
| 21. a meteorological sa_____te | <i>n.</i> | an electronic device that is sent up into space and moves around the Earth or another planet, used for gathering information or communicating by radio, television, etc. |

ANSWERS: 10. shrink, 11. strength, 12. recall, 13. decathlon, 14. trivia, 15. contest, 16. adolescent, 17. underestimate, 18. execute, 19. competition, 20. clash, 21. satellite

22. a bullet left un___d *adj.* not being used, or never having been used
23. my___n protein *n.* a white fatty substance that covers around nerves, helping them to send signals effectively
24. 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
25. research on co_____ve psychology *adj.* of or relating to mental processes of understanding
26. linear so___r *n.* a thinker who finds an answer to a problem or a difficult situation; a piece of software or the algorithm that solves a mathematical problem
27. pre_____al region *adj.* in or about the foremost part of the frontal lobe of the brain
28. cr_____ve writing *adj.* relating to or involving the use of skill and original and unusual ideas to create something
29. ex_____e the world *v.* to travel to or penetrate an area or a country to learn about it; to thoroughly examine a subject or a possibility to learn more about it
30. the de__h of the water *n.* the distance between the top and bottom of something; between the top surface and a distance below it
31. my___n encasing the axons *n.* a white fatty substance that covers around nerves, helping them to send signals effectively

ANSWERS: 22. unused, 23. myelin, 24. neuron, 25. cognitive, 26. solver, 27. prefrontal, 28. creative, 29. explore, 30. depth, 31. myelin

32. fl___t Chinese *adj.* able to communicate in a specific language smoothly or effectively, or easily
33. the re___d for good works *n.* a thing given in acknowledgment of service, hard work, achievement, etc.
34. as_____te with people widely *v.* to mentally connect someone or something with someone or something else
35. ab_____ct science *adj.* based on general ideas, feelings, or qualities and not on any a physical or concrete existence
36. fi_____ne financial systems *v.* to make tiny changes or improvements to make it work as well as possible
37. env_____nt affairs *n.* the natural world such as air, water, and land in which humans, animals, and plants live
38. in a fl___t tone *adj.* able to communicate in a specific language smoothly or effectively, or easily
39. un_____o a decrease *v.* to go through something unpleasant or that involves a change
40. muscular st_____th *n.* the quality or state of being physically, or sometimes mentally, strong
41. 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
42. ro___r of cabinet *n.* a list of people's names, often who are available to do a job

ANSWERS: 32. fluent, 33. reward, 34. associate, 35. abstract, 36. fine-tune, 37. environment, 38. fluent, 39. undergo, 40. strength, 41. neuron, 42. roster

43. pa____y to understanding *n.* a track that constitutes or serves as a path; an approach or a way of doing something
44. in____t tumor growth *v.* to prevent something, such as an action, process, etc., from happening or make it less likely to happen than normal
45. an ab____ct noun *adj.* based on general ideas, feelings, or qualities and not on any a physical or concrete existence
46. shopping re____ds cards *n.* a thing given in acknowledgment of service, hard work, achievement, etc.
47. pr____ty seating for elderly *n.* something that is more important than other things and should be dealt with first
48. an Arctic exp____on *n.* the activity of searching and finding out about something through a place
49. di__t identifier *n.* one of the elements that collectively form a system of numeration; a finger, thumb, or toe
50. ins____on board *n.* the act or process of covering something to stop heat, sound, electricity, etc. from passing through; the materials used for this
51. mathematical pu____e *n.* a situation that is difficult to follow or solve; a game, problem, or toy that tests a person's ingenuity or knowledge; (verb) to cause someone to feel confused because of something difficult to understand

ANSWERS: 43. pathway, 44. inhibit, 45. abstract, 46. reward, 47. priority, 48. exploration, 49. digit, 50. insulation, 51. puzzle

52. ex____e a double play *v.* to kill someone, especially as a legal punishment; to carry out or perform an action, duty, etc.
53. develop a st____gy *n.* a detailed plan of action designed to achieve a long-term or overall goal.
54. w__p up a meeting *v.* to cover or enclose something entirely with paper, cloth, or other material
55. de____e a job offer *v.* to become gradually smaller, fewer, worse, etc.; to refuse to accept
56. sim_____sly affected *adv.* at the same time
57. de____e in quality *v.* to become gradually smaller, fewer, worse, etc.; to refuse to accept
58. li____me benefits *n.* the duration of someone's life or something's existence;
59. ut____e a different approach *v.* to use something for a practical purpose in an effective way
60. crossword pu____e *n.* a situation that is difficult to follow or solve; a game, problem, or toy that tests a person's ingenuity or knowledge; (verb) to cause someone to feel confused because of something difficult to understand
61. pre_____al bone *adj.* in or about the foremost part of the frontal lobe of the brain
62. permanent br__n damage *n.* the organ inside the head that is responsible for one's movement, thought, memory, and feeling
63. re____e a long list of the article *v.* to say a poem, piece of literature, etc. aloud from memory,

ANSWERS: 52. execute, 53. strategy, 54. wrap, 55. decline, 56. simultaneously, 57. decline, 58. lifetime, 59. utilize, 60. puzzle, 61. prefrontal, 62. brain, 63. recite

64. take several inputs sim_____sly *adv.* at the same time
65. mot_____on for a change *n.* the reason or enthusiasm for acting or behaving in a particular way
66. a demonstration in lo__c *n.* a way of thinking or reasoning conducted or evaluated by strict validity principles; the study of correct reasoning or good arguments
67. the mathematical constant pi *n.* a mathematical constant that is the ratio of a circle's circumference to its diameter, approximately equal to 3.14159
68. ut_____e a catheter *v.* to use something for a practical purpose in an effective way
69. fr_____nt use *adj.* happening constantly
70. noun ph_____e *n.* a group of words that mean something specific when used together
71. good at cr_____rd puzzles *n.* a word puzzle consisting of a grid of black and white squares and blanks into which words crossing vertically and horizontally are written according to clues
72. military st_____gy *n.* a detailed plan of action designed to achieve a long-term or overall goal.
73. 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
74. in_____t desires *v.* to prevent something, such as an action, process, etc., from happening or make it less likely to happen than normal

ANSWERS: 64. simultaneously, 65. motivation, 66. logic, 67. pi, 68. utilize, 69. frequent, 70. phrase, 71. crossword, 72. strategy, 73. prune, 74. inhibit

75. an un___d place *adj.* not being used, or never having been used
76. fi_____ne the engine *v.* to make tiny changes or improvements to make it work as well as possible
77. a cl__h of viewpoints *n.* a fight or argument between two groups of people; a loud noise caused by striking against something
78. di_____e backgrounds *adj.* including numerous categories of individuals or entities; various
79. fr_____nt absence *adj.* happening constantly
80. adv_____us pioneers *adj.* willing to take risks and try new or difficult things
81. visual co___x neuron *n.* the outermost layer of an organ, especially the brain
82. number pi *n.* a mathematical constant that is the ratio of a circle's circumference to its diameter, approximately equal to 3.14159
83. ro___r index *n.* a list of people's names, often who are available to do a job
84. solve the ri___e *n.* a type of question that describes something in a difficult and confusing way, and that has a surprising answer, often asked as a game
85. w__p a fish in foil *v.* to cover or enclose something entirely with paper, cloth, or other material
86. co_____e against a friend *v.* to strive to achieve more success than someone or something

ANSWERS: 75. unused, 76. fine-tune, 77. clash, 78. diverse, 79. frequent, 80. adventurous, 81. cortex, 82. pi, 83. roster, 84. riddle, 85. wrap, 86. compete

87. lead an adv_____us life *adj.* willing to take risks and try new or difficult things
88. ado_____nt girl *n.* a young person who is in the process of developing from a child into an adult
89. put himself in for the de_____on *n.* a combined event in athletics consisting of ten track and field events
90. dy_____c person *adj.* having a lot of energy, ideas, and enthusiasm, and a strong personality; of or relating to dynamics (= the branch of physics and engineering concerned with the forces that cause motions of bodies)
91. a dy_____c market *adj.* having a lot of energy, ideas, and enthusiasm, and a strong personality; of or relating to dynamics (= the branch of physics and engineering concerned with the forces that cause motions of bodies)
92. barren of cr_____ve spirit *adj.* relating to or involving the use of skill and original and unusual ideas to create something
93. ne____l stem cells *adj.* of or relating to a nerve or the nervous system that includes the brain
94. fl_____le schedules *adj.* able to change or be changed to suit new conditions or situations; able to bend easily
95. the ul_____te goal in life *adj.* furthest or highest in degree or order
96. as____s a tax of 10 pounds *v.* to judge or decide the nature or quality of someone or something
97. his research area of
con_____ion *n.* the ability to focus all your time and energy on one thing without thinking about anything else.

ANSWERS: 87. adventurous, 88. adolescent, 89. decathlon, 90. dynamic, 91. dynamic, 92. creative, 93. neural, 94. flexible, 95. ultimate, 96. assess, 97. concentration

98. field of artificial int_____nce *n.* the ability to learn, comprehend, or make judgments or conclusions based on reasons
99. have broad sc__e *n.* the range of one's perceptions, thoughts, or actions, or a subject that
100. un_____o surgery *v.* to go through something unpleasant or that involves a change
101. ad__t as needed *v.* to make fit for or change to suit a new purpose or environment
102. the grand ch_____on *n.* someone who has won first place in a competition; someone who fights for a specific group of people or a belief
103. basic br__n function *n.* the organ inside the head that is responsible for one's movement, thought, memory, and feeling
104. inc_____le amount *adj.* unbelievable; enormous
105. an int_____nce test *n.* the ability to learn, comprehend, or make judgments or conclusions based on reasons
106. con_____ion of armaments *n.* the ability to focus all your time and energy on one thing without thinking about anything else.
107. a co_____nt wind *adj.* happening repeatedly or all the time
108. chaotic env_____nt *n.* the natural world such as air, water, and land in which humans, animals, and plants live
109. a co_____nt temperature *adj.* happening repeatedly or all the time

ANSWERS: 98. intelligence, 99. scope, 100. undergo, 101. adapt, 102. champion, 103. brain, 104. incredible, 105. intelligence, 106. concentration, 107. constant, 108. environment, 109. constant

110. a useful piece of tr___a *n.* details or information that are unimportant
111. as_____te alcohol with gambling *v.* to mentally connect someone or something with someone or something else
112. understand his mot_____on *n.* the reason or enthusiasm for acting or behaving in a particular way
113. str_____en a border patrol *v.* to become stronger or more effective; to make someone or something stronger or more effective
114. st_____le to get the job *v.* to make a great effort to do something when it is difficult, or there are a lot of problems; to use force or violence to break away from restraint or constriction
115. do a cr_____rd puzzle *n.* a word puzzle consisting of a grid of black and white squares and blanks into which words crossing vertically and horizontally are written according to clues
116. pr_____ty call *n.* something that is more important than other things and should be dealt with first
117. neurons in the hip_____us *n.* a major component of the brain of humans and other vertebrates that is part of the limbic system and is vital for memory
118. 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

ANSWERS: 110. trivia, 111. associate, 112. motivation, 113. strengthen, 114. struggle, 115. crossword, 116. priority, 117. hippocampus, 118. prune

119. str_____en the immune system *v.* to become stronger or more effective; to make someone or something stronger or more effective
120. ad__t fully to the environment *v.* to make fit for or change to suit a new purpose or environment
121. re_____l the car *v.* to change the structure or form of something
122. the ul_____te luxury *adj.* furthest or highest in degree or order
123. ready-made ph___es *n.* a group of words that mean something specific when used together
124. additional sound ins_____on *n.* the act or process of covering something to stop heat, sound, electricity, etc. from passing through; the materials used for this
125. puzzle-so____r *n.* a thinker who finds an answer to a problem or a difficult situation; a piece of software or the algorithm that solves a mathematical problem
126. a GPS sa_____te *n.* an electronic device that is sent up into space and moves around the Earth or another planet, used for gathering information or communicating by radio, television, etc.
127. a speech co_____t *n.* a competition in which people compete for supremacy in a sport or other activity; a struggle between rivals
128. de__h camera *n.* the distance between the top and bottom of something; between the top surface and a distance below it

ANSWERS: 119. strengthen, 120. adapt, 121. remodel, 122. ultimate, 123. phrase, 124. insulation, 125. solver, 126. satellite, 127. contest, 128. depth

129. ne___l networks in AI	<i>adj.</i> of or relating to a nerve or the nervous system that includes the brain
130. sc__e of a project	<i>n.</i> the range of one's perceptions, thoughts, or actions, or a subject that
131. na_____te the Pacific	<i>v.</i> to plan and direct the way that a ship, plane, etc. will travel, often by using a map
132. a person of di_____e talents	<i>adj.</i> including numerous categories of individuals or entities; various
133. the first round of the com_____on	<i>n.</i> a situation in which someone is attempting to beat or outperform another
134. cellular signaling pa_____ys	<i>n.</i> a track that constitutes or serves as a path; an approach or a way of doing something
135. at inc_____le speed	<i>adj.</i> unbelievable; enormous
136. und_____ate the probability	<i>v.</i> to think or suppose that a quantity, price, or size is smaller than it is
137. v__y according to the age	<i>v.</i> to become different in terms of size, shape, etc.
138. ca_____e a glimpse	<i>v.</i> to catch a person or an animal and confine them in an area which they cannot escape
139. re_____l portfolio	<i>v.</i> to change the structure or form of something
140. fl_____sh worldwide	<i>v.</i> to grow or develop vigorously or successfully
141. fl_____sh economically	<i>v.</i> to grow or develop vigorously or successfully

ANSWERS: 129. neural, 130. scope, 131. navigate, 132. diverse, 133. competition, 134. pathway, 135. incredible, 136. underestimate, 137. vary, 138. capture, 139. remodel, 140. flourish, 141. flourish

142. a ch_____on of peace *n.* someone who has won first place in a competition; someone who fights for a specific group of people or a belief
143. future of space exp_____on *n.* the activity of searching and finding out about something through a place
144. improve co_____ve function *adj.* of or relating to mental processes of understanding
145. a fl_____le wire *adj.* able to change or be changed to suit new conditions or situations; able to bend easily
146. co_____x cells *n.* the outermost layer of an organ, especially the brain
147. na_____te through a document *v.* to plan and direct the way that a ship, plane, etc. will travel, often by using a map
148. co_____e fiercely *v.* to strive to achieve more success than someone or something
149. involvement of the hip_____us *n.* a major component of the brain of humans and other vertebrates that is part of the limbic system and is vital for memory
150. re_____l the incident *v.* to remember something
151. li_____me ban from the sport *n.* the duration of someone's life or something's existence;
152. re_____e a charm *v.* to say a poem, piece of literature, etc. aloud from memory,

ANSWERS: 142. champion, 143. exploration, 144. cognitive, 145. flexible, 146. cortex, 147. navigate, 148. compete, 149. hippocampus, 150. recall, 151. lifetime, 152. recite

Session 3: Fill in the Blanks

1. The Ottoman Empire _____ for over five centuries.
v. to grow or develop vigorously or successfully
2. The flow _____ is validated against the experiment.
n. a thinker who finds an answer to a problem or a difficult situation; a piece of software or the algorithm that solves a mathematical problem
3. 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
4. The cook _____ the leftover oxtail to make soup.
v. to use something for a practical purpose in an effective way
5. _____ dropping wears away the stone.
adj. happening repeatedly or all the time
6. He called for a careful _____ of the consequences.
n. the activity of searching and finding out about something through a place
7. The mafioso who collaborated with the police was _____.
v. to kill someone, especially as a legal punishment; to carry out or perform an action, duty, etc.
8. He sat frowning over a _____ puzzle.
n. a word puzzle consisting of a grid of black and white squares and blanks into which words crossing vertically and horizontally are written according to clues

ANSWERS: 1. flourished, 2. solver, 3. brain, 4. utilized, 5. Constant, 6. exploration, 7. executed, 8. crossword

9. _____ sheath allows electrical impulses to travel quickly and efficiently along the nerve cells.
- n.* a white fatty substance that covers around nerves, helping them to send signals effectively
10. This shirt will _____ in the wash.
- v.* to become smaller, or to make something smaller in size or amount
11. You must _____ with others to obtain this position.
- v.* to strive to achieve more success than someone or something
12. Her _____ is to be a mother.
- n.* something that is more important than other things and should be dealt with first
13. The invention of the camera triggered the development of _____ painting.
- adj.* based on general ideas, feelings, or qualities and not on any a physical or concrete existence
14. Our knowledge helps _____ our clients successfully.
- v.* to plan and direct the way that a ship, plane, etc. will travel, often by using a map
15. Two students answered the teacher's question _____.
- adv.* at the same time
16. The _____ is crucial for learning and memory storage.
- n.* a major component of the brain of humans and other vertebrates that is part of the limbic system and is vital for memory

ANSWERS: 9. Myelin, 10. shrink, 11. compete, 12. priority, 13. abstract, 14. navigate, 15. simultaneously, 16. hippocampus

17. The train has to _____ rigorous safety checks.
v. to go through something unpleasant or that involves a change
18. Difficulties _____ the mind, as labor does the body.
v. to become stronger or more effective; to make someone or something stronger or more effective
19. Our company needs to _____ the business impact of climate change.
v. to judge or decide the nature or quality of someone or something
20. As people age, their digestive capacity also gradually _____.
v. to become gradually smaller, fewer, worse, etc.; to refuse to accept
21. His heartaches are less _____ now.
adj. happening constantly
22. The _____ of human thought is diverse.
n. the range of one's perceptions, thoughts, or actions, or a subject that
23. He could not _____ against temptation.
v. to make a great effort to do something when it is difficult, or there are a lot of problems; to use force or violence to break away from restraint or constriction
24. Our plan includes a comprehensive marketing _____.
n. a detailed plan of action designed to achieve a long-term or overall goal.
25. We must enter a six-_____ number to unlock the safe.
n. one of the elements that collectively form a system of numeration; a finger, thumb, or toe

ANSWERS: 17. undergo, 18. strengthen, 19. assess, 20. declines, 21. frequent, 22. scope, 23. struggle, 24. strategy, 25. digit

26. The old entrance area is now _____.

adj. not being used, or never having been used

27. Maximum heart rates _____ a lot for each individual.

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

28. The cerebral _____ consists of six layers.

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

29. This jigsaw _____ is challenging because there are no pictures.

n. a situation that is difficult to follow or solve; a game, problem, or toy that tests a person's ingenuity or knowledge; (verb) to cause someone to feel confused because of something difficult to understand

30. They frequently _____ their abilities and felt inferior.

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

31. I was able to _____ the moment on film.

v. to catch a person or an animal and confine them in an area which they cannot escape

32. This exam requires excellent _____ to pass.

n. the ability to focus all your time and energy on one thing without thinking about anything else.

33. The _____ remains mysterious to us.

n. a type of question that describes something in a difficult and confusing way, and that has a surprising answer, often asked as a game

ANSWERS: 26. unused, 27. vary, 28. cortex, 29. puzzle, 30. underestimated, 31. capture, 32. concentration, 33. riddle

34. We are _____ these rooms now.

v. to change the structure or form of something

35. I advised him to _____ to his new surroundings.

v. to make fit for or change to suit a new purpose or environment

36. When the first molecule in the _____ receives a signal, it activates other molecules.

n. a track that constitutes or serves as a path; an approach or a way of doing something

37. New York is a city with a _____ ethnic population.

adj. including numerous categories of individuals or entities; various

38. You can be more _____ and creative in your approach.

adj. able to change or be changed to suit new conditions or situations; able to bend easily

39. Management must take _____ responsibility for the accident.

adj. furthest or highest in degree or order

40. Excessive parental interference may _____ children's eagerness to learn.

v. to prevent something, such as an action, process, etc., from happening or make it less likely to happen than normal

41. There was a vast _____ between the two tribes.

n. a competition in which people compete for supremacy in a sport or other activity; a struggle between rivals

ANSWERS: 34. remodeling, 35. adapt, 36. pathway, 37. diverse, 38. flexible, 39. ultimate, 40. inhibit, 41. contest

42. 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
43. He won Olympic gold medals in the _____.
- n.* a combined event in athletics consisting of ten track and field events
44. A significant amount of _____ is required to be a teacher.
- n.* the reason or enthusiasm for acting or behaving in a particular way
45. He can recite ___ to 1000 digits.
- n.* a mathematical constant that is the ratio of a circle's circumference to its diameter, approximately equal to 3.14159
46. His _____ faculties were getting worse because of a lack of sleep.
- adj.* of or relating to mental processes of understanding
47. He installed fiberglass _____ in the wall.
- n.* the act or process of covering something to stop heat, sound, electricity, etc. from passing through; the materials used for this
48. We bought a Spanish _____ book.
- n.* a group of words that mean something specific when used together
49. 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

ANSWERS: 42. creative, 43. decathlon, 44. motivation, 45. pi, 46. cognitive, 47. insulation, 48. phrase, 49. intelligence,

50. There was a disturbance of _____ function.

adj. of or relating to a nerve or the nervous system that includes the brain

51. The management must _____ strategies to increase office security.

v. to travel to or penetrate an area or a country to learn about it; to thoroughly examine a subject or a possibility to learn more about it

52. Her dress was a disturbing _____ of colors.

n. a fight or argument between two groups of people; a loud noise caused by striking against something

53. The sprinter has a _____ way of running.

adj. having a lot of energy, ideas, and enthusiasm, and a strong personality; of or relating to dynamics (= the branch of physics and engineering concerned with the forces that cause motions of bodies)

54. The pond's _____ was around five feet.

n. the distance between the top and bottom of something; between the top surface and a distance below it

55. Health and _____ are, above all, gold.

n. the quality or state of being physically, or sometimes mentally, strong

56. She learned five languages but is only _____ in two of them.

adj. able to communicate in a specific language smoothly or effectively, or easily

57. 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

ANSWERS: 50. neural, 51. explore, 52. clash, 53. dynamic, 54. depth, 55. strength, 56. fluent, 57. environment

58. Launching an artificial _____ contributed to the technological development of our country.
- n.* an electronic device that is sent up into space and moves around the Earth or another planet, used for gathering information or communicating by radio, television, etc.
59. He could _____ all of Shakespeare's works.
- v.* to say a poem, piece of literature, etc. aloud from memory,
60. She vividly _____ getting laid off several years ago.
- v.* to remember something
61. She had lived through two world wars in her _____.
- n.* the duration of someone's life or something's existence;
62. _____ the bandage tightly around the injured arm.
- v.* to cover or enclose something entirely with paper, cloth, or other material
63. Global _____ is rising in virtually every industry.
- n.* a situation in which someone is attempting to beat or outperform another
64. The _____ bicyclist outrode all his competitors.
- n.* someone who has won first place in a competition; someone who fights for a specific group of people or a belief
65. Her response revealed _____ idiocy.
- adj.* unbelievable; enormous
66. 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

ANSWERS: 58. satellite, 59. recite, 60. recalls, 61. lifetime, 62. Wrap, 63. competition, 64. champion, 65. incredible, 66. prunes

67. Timely education about birth control might help reduce _____ pregnancies.
n. a young person who is in the process of developing from a child into an adult
68. The club has notable celebrities on the _____.
n. a list of people's names, often who are available to do a job
69. Research shows that damage to the _____ cortex leads to increased aggression.
adj. in or about the foremost part of the frontal lobe of the brain
70. The government should not try to _____ the economy excessively based on a short-term prediction.
v. to make tiny changes or improvements to make it work as well as possible
71. She has a wide variety of knowledge of pop _____.
n. details or information that are unimportant
72. The majority of consumers _____ this brand with quality.
v. to mentally connect someone or something with someone or something else
73. He has an _____ spirit and is unafraid of risks.
adj. willing to take risks and try new or difficult things
74. Night fishing has a lot of _____.
n. a thing given in acknowledgment of service, hard work, achievement, etc.
75. Our body transfers information along each _____ using an electrical impulse.
n. a cell that is specialized to carry information within the brain and between the brain and other parts of the body

ANSWERS: 67. adolescent, 68. roster, 69. prefrontal, 70. fine-tune, 71. trivia, 72. associate, 73. adventurous, 74. rewards, 75. neuron

76. There's no _____ in his description.

- n.* a way of thinking or reasoning conducted or evaluated by strict validity principles; the study of correct reasoning or good arguments

ANSWERS: 76. logic