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Vocabulary Builder Reference from...

David Anderson: Your brain is more than a bag of chemicals | TED Talk

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

Advanced Words Only

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Session 1: Word List

humming

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

synonym: buzzing, droning, vibrating

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

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

schizophrenia

n. a severe mental disorder in which a person has a distorted view of reality and may experience hallucinations, delusions, and disordered thinking and behavior

synonym: psychosis, disorder, mental illness

(1) **schizophrenia** spectrum disorder, (2) **schizophrenia** treatment

The **schizophrenia** patient was experiencing severe auditory hallucinations.

biopsy

n. the process of removing and examining tissue from the body of the sick person to determine the existence or cause of a disease

synonym: examination, autopsy

(1) **biopsy** of bone marrow, (2) liquid **biopsy**

The doctor performed an excisional breast **biopsy**.

oversimplify

v. to describe or explain something in a way that is too simple and no longer holds true

(1) **oversimplify** the problem, (2) **oversimplify** a complex reality

People may **oversimplify** natural phenomena due to the improved accessibility of knowledge.

outmoded

adj. no longer in fashion or use; outdated or obsolete

synonym: obsolete, outdated, archaic

(1) **outmoded** fashion, (2) **outmoded** business model

The company decided to replace its **outmoded** machinery with newer technology.

abet

v. to assist, encourage, or support someone in the commission of a crime or wrongdoing; to actively promote or aid in the accomplishment of an action

synonym: aid, assist, support

(1) **abet** a fugitive, (2) **abet** wrongdoing

She refused to **abet** her friend in cheating on the exam.

imbalance

n. a situation in which two or more things are not equal or equally treated

synonym: inequality, asymmetry, instability

(1) trade **imbalance**, (2) symptoms of hormonal **imbalance**

An **imbalance** in certain substances causes problems with brain function.

dopamine

n. a chemical substance produced by nerve cells as a neurotransmitter; as a drug, it is used to treat shock and hypotension

(1) **dopamine-inhibiting** agent, (2) antagonism of **dopamine**

The drug controls the level of **dopamine** in the brain.

serotonin

n. a neurotransmitter (= a chemical that carries nerve impulses) involved in, e.g., sleep, emotion, and memory

(1) **serotonin** drug, (2) **serotonin** levels

The medicine works by boosting **serotonin** levels in the brain.

norepinephrine

n. (also noradrenaline) a hormone that is released by the sympathetic nervous system in response to stress and that increases heart rate and blood pressure

synonym : noradrenaline

(1) **norepinephrine** receptor, (2) enhance **norepinephrine** release

Some medications used to treat depression work by increasing the levels of **norepinephrine** in the brain.

glob

n. a small, round mass or lump; a drop or blob of liquid or viscous substance

synonym : ball, lump, sphere

(1) **glob** of paint, (2) **glob** of honey

She squeezed a **glob** of toothpaste onto her toothbrush.

dribble

v. to allow a liquid or substance to flow slowly and steadily in small drops; to move a ball or object in a series of small bounces or taps, often while running or maneuvering around other players

synonym : trickle, drizzle, drop

(1) **dribble** the ball, (2) **dribble** from my mouth

The coffee from your cup is starting to **dribble** down your shirt.

mediate

v. to try to bring about an agreement or understanding between people who are in conflict

synonym : arbitrate, reconcile, intervene

(1) **mediate** allergic reaction, (2) **mediate** a negotiation

The teacher had to **mediate** a disagreement between two students over a stolen pencil.

cognition

n. the psychological process of perception and learning and reasoning; the mental action or process by which knowledge and understanding are developed in the

mind

synonym : awareness, understanding, comprehension

(1) social **cognition**, (2) **cognition** disorder

The professor focused on the research of infant **cognition**.

bathe

v. to wash or immerse oneself or another person in the water or a liquid; to expose a part of the body to a natural element, such as sunlight or air

synonym : cleanse, soak, immerse

(1) **bathe** in the sea, (2) **bathe** the baby

I always **bathe** my dog after she swims in the lake.

synapse

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

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

Animals transmit nerve impulses through **synapses**.

pinpoint

v. to locate or identify the exact position in space or time of something

synonym : name, direct, identify

(1) **pinpoint** the problem, (2) **pinpoint** signs of manipulation

This radar quickly **pinpoints** the position of the enemy.

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.

moreover

adv. indicating that what follows is an additional or supplementary point; furthermore; in addition to what has been said before

synonym : furthermore, besides, in addition

(1) **moreover**, she decided to go, (2) but **moreover**, they work well together

The company is environmentally conscious, and **moreover**, it uses sustainable materials in its products.

monograph

n. a detailed and comprehensive written study or essay on a specific subject or topic, typically written by a single author or a small group of experts

synonym : study, treatise, dissertation

(1) **monograph** publication, (2) **monograph** on economics

The scientific **monograph** presents new findings on the effects of climate change on coral reefs.

eponymous

adj. giving one's name to a thing or place; named after a particular person or entity, often the creator or originator of that thing or place

synonym : named, titular, self-titled

(1) **eponymous** album, (2) **eponymous** restaurant

The movie was named after its **eponymous** character, a famous detective.

drosophila

n. a genus of small flies, commonly known as fruit flies, that belong to the family Drosophilidae, widely used in genetic research due to their short life cycles and easily observable traits

(1) **drosophila** genetics, (2) **drosophila** experiments

Researchers often use **drosophila** mutants to investigate the function and importance of specific genes.

rabbi

n. a Jewish religious leader or a Jewish scholar or teacher

synonym : clergyman, priest, teacher

(1) son of a **rabbi**, (2) the city's communal **rabbi**

The chief **rabbi** chanted a prayer.

infer

v. to form an opinion or conclude that something is true based on existing facts

synonym : guess, deduce, assume

(1) **infer** quality from price, (2) **infer** the possibility

Animal desire and preference are always **inferred** from their

behavior.

spaceship

n. (especially in science fiction) a spacecraft designed to carry a crew into interstellar space

synonym: starship, rocket, spacecraft

(1) a **spaceship** to survey the moon, (2) alien **spaceship**
They launched a crewless **spaceship** into space.

arouse

v. to awaken strong feelings or emotions in someone; to excite or inspire a physical or emotional response

synonym: excite, stimulate, stir

(1) **arouse** desire, (2) **arouse** suspicion

The rousing speech by the politician **aroused** the audience to action.

gradation

n. a step-by-step change, or a slight change; levels into which anything is split; the process or outcome of something gradually altering

synonym: grade, step, nuance

(1) **gradation** of color, (2) subtle **gradations**

Though there is a **gradation** in the penalty, there is none in the categories of manslaughter.

intensify

v. to increase or make something increase in extent or strength

synonym: amplify, boost, strengthen

(1) **intensify** diplomatic efforts, (2) **intensify** a good relationship

Rebels have pledged to **intensify** the armed struggle against the dictatorship.

valence

n. (of chemistry and physics) the bonding capacity or electron-attracting power of an atom or molecule; (of psychology and sociology) the emotional value or intensity involved in a particular experience or relationship

synonym: bonding capacity, reactivity

(1) **valence** electrons, (2) chemical **valence**
The **valence** of an atom determines its chemical properties.

long-lasting

adj. existing or continuing for a long time

synonym: enduring, abiding, durable

(1) **long-lasting** battery, (2) a **long-lasting** friendship

They finally decided to solve the **long-lasting** problem.

sniffle

v. to breathe in audibly through the nose due to a cold or to emotions, often resulting in a runny or congested nose; to produce sniffing sounds repeatedly, typically associated with a runny or blocked nose

synonym: sniff, inhale, smell

(1) **sniffle** from a cold, (2) **sniffle** in sadness

She **sniffled** as she walked in the cold winter air.

sob

v. to cry or weep with short, sudden sounds

synonym: cry, weep, wail

(1) **sob** out a story, (2) **sob** quietly

She **sobbed** uncontrollably after hearing the news.

provoke

v. to stimulate or give rise to a particular reaction or have a particular effect

synonym: stimulate, incite, encourage

(1) **provoke** a disease, (2) **provoke** a reaction

Her behavior **provoked** a quarrel between the couple.

proverb

n. a short saying that expresses a truth or gives advice based on practical experience

synonym: adage, saying, maxim

(1) a hackneyed **proverb**, (2) ancient **proverb**

The famous **proverb** "actions speak louder than words" reminds us to focus on deeds instead of words.

wasp

n. a flying insect with a narrow waist and a sting, typically feeding on nectar and known for its aggressive behavior towards other insects and animals

synonym: insect, hornet, yellow jacket

(1) **wasp** nest, (2) **wasp** sting

A giant **wasp** flew into the room, and everyone panicked.

vigorously

adv. in a way that is very energetic and enthusiastic

synonym: energetically, forcefully, strongly

(1) **vigorously** shake, (2) mix **vigorously** by hand

He **vigorously** scrubbed the stains on the shirt.

swat

v. to strike or hit someone or something with a quick, sharp blow, usually with the hand or a flat object; (noun, an acronym that stands for "Special Weapons And Tactics") specialized groups within police departments that are trained to handle high-risk operations that regular officers are not equipped to deal with

synonym: slap, smack, hit

(1) expertly **swat** back the ball, (2) **SWAT** operation

I had to **swat** away a fly that was buzzing around my head.

irritate

v. to annoy, provoke, or cause resentment or anger in someone; to inflame or make sore

synonym: annoy, vex, bother

(1) **irritate** skin, (2) **irritate** my partner

The sound of his chewing loudly **irritates** me during dinner.

hyperactive

adj. excessively or abnormally active, restless, or easily excitable, particularly about children or animals with attention deficit hyperactivity disorder (ADHD)

synonym: hyperkinetic, overactive, restless

(1) **hyperactive** child, (2) **hyperactive** imagination

The **hyperactive** dog was running around the house, knocking things over.

quantify

v. to express or measure something in numerical terms

synonym: measure, express, determine

(1) **quantify** the results, (2) **quantify** blood flow

He tried to **quantify** the amount of product that was needed

to complete the job.

locomote

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

synonym: move, travel, go

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

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

vial

n. a small glass container, especially one containing liquid medicine or perfume

synonym: container, bottle, flask

(1) glass **vials**, (2) insulin **vial**

This medication is sealed in a **vial**.

counterintuitive

adj. contrary to what common sense would suggest

synonym: unreasonable, paradoxical, nonsensical

(1) **counterintuitive** results, (2) **counterintuitive** behavior

The **counterintuitive** nature of quantum physics has been a source of confusion for scientists for decades.

reminiscent

adj. making you remember someone or something; relating to the recall of personal interests

synonym: evocative, remindful, redolent

(1) **reminiscent** of ancient times, (2) **reminiscent** smile

His painting style is **reminiscent** of Monet's

playful

adj. having a lighthearted, mischievous, or fun-loving nature; displaying a sense of enjoyment or amusement; characterized by a desire for entertainment or play

synonym: mischievous, frisky, sportful

(1) **playful** puppy, (2) **playful** children

The children couldn't contain their **playful** excitement at seeing the new playground.

annoy

v. to make someone angry, anxious, or irritating slightly
synonym: aggravate, irritate, unsettle

(1) **annoy** at the time, (2) **annoy** everyone else

Her constant chatter was starting to **annoy** the neighbors.

afflict

v. to cause pain, suffering, or distress to someone or something

synonym: trouble, distress, bother

(1) **afflict** with the plague, (2) **afflict** the economy

The disease can **afflict** both humans and animals.

songbird

n. a bird with a musical call, such as a blackbird or thrush

synonym: songster

(1) migratory **songbird**, (2) tropical **songbird**

Federal law protects the majority of **songbirds**.

flunk

v. to fail a test, examination, or course; to perform poorly or not meet the required standard

synonym: fail, bomb, flop

(1) **flunk** an exam, (2) **flunk** a job interview

He was so ill-prepared that he **flunked** the driving test on his first attempt.

phenotype

n. the observable physical or biochemical characteristics of an individual organism that result from the interaction between its genetic makeup and the environment in which it lives

synonym: trait, characteristic, attribute

(1) **phenotype** variation, (2) dominant **phenotype**

Our genetic **phenotype** determines the color of our eyes.

distract

v. to draw someone's attention away from what they are trying to do

synonym: divert, preoccupy, confuse

(1) **distract** attention from the real issue, (2) **distract** public opinion

Please don't **distract** me while I'm studying.

delve

v. to dig or excavate deeply; to investigate or research intensively; to rummage or explore in a thorough or careful manner

synonym : dig, excavate, uncover

(1) **delve** deeper, (2) **delve** into documents

Researchers must **delve** into the intricacies of the human brain to understand mental illness.

untangle

v. to separate or straighten out something that is tangled, confused, or complicated; to clarify or make sense of something difficult to understand or explain

synonym : disentangle, unravel, decipher

(1) **untangle** a situation, (2) **untangle** a problem

I need to **untangle** this knot before using this rope piece.

dissociation

n. the separation of ideas, emotions, or memories from a person's consciousness; a process by which molecules or compounds separate into smaller units or individual atoms

synonym : separation, detachment, disconnection

(1) trauma-related **dissociation**, (2) **dissociation** reaction

His **dissociation** from his emotions made him distant and unresponsive.

elliptical

adj. having the shape of an oval (= a closed plane curve); using a word or expression that is ambiguous or vague, especially to mislead or avoid committing oneself

synonym : oval, egg-shaped, oblong

(1) an **elliptical** motion, (2) an **elliptical** galaxies

The satellite's **elliptical** orbit made it appear to change its distance from earth.

mushroom

n. a type of fungus that grows on dead or decaying organic matter and typically has a stalk and an umbrella-shaped cap

synonym :

fungus, toadstool

(1) **mushroom** spores, (2) **mushroom** cultivation

The **mushroom** risotto was delicious, but I couldn't identify all the mushrooms in it.

ingenuity

n. the quality of inventing things or solving problems in clever new ways

synonym: creativity, invention, originality

(1) the infinite **ingenuity** of man, (2) abound in **ingenuity**

Creativity and **ingenuity** are often brought about by extreme concentration.

Session 2: Spelling

1. dro_____la genetics *n.* a genus of small flies, commonly known as fruit flies, that belong to the family Drosophilidae, widely used in genetic research due to their short life cycles and easily observable traits
2. an ell_____al galaxies *adj.* having the shape of an oval (= a closed plane curve); using a word or expression that is ambiguous or vague, especially to mislead or avoid committing oneself
3. 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
4. in_____fy diplomatic efforts *v.* to increase or make something increase in extent or strength
5. a__t wrongdoing *v.* to assist, encourage, or support someone in the commission of a crime or wrongdoing; to actively promote or aid in the accomplishment of an action
6. sch_____nia treatment *n.* a severe mental disorder in which a person has a distorted view of reality and may experience hallucinations, delusions, and disordered thinking and behavior
7. me_____e a negotiation *v.* to try to bring about an agreement or understanding between people who are in conflict

ANSWERS: 1. drosophila, 2. elliptical, 3. neuron, 4. intensify, 5. abet, 6. schizophrenia, 7. mediate

8. a__t a fugitive *v.* to assist, encourage, or support someone in the commission of a crime or wrongdoing; to actively promote or aid in the accomplishment of an action
9. ir____te skin *v.* to annoy, provoke, or cause resentment or anger in someone; to inflame or make sore
10. pl____l children *adj.* having a lighthearted, mischievous, or fun-loving nature; displaying a sense of enjoyment or amusement; characterized by a desire for entertainment or play
11. lo____te from one place to another *v.* to move or travel from one place to another, especially using wheels or legs
12. ar___e suspicion *v.* to awaken strong feelings or emotions in someone; to excite or inspire a physical or emotional response
13. nor_____ine receptor *n.* (also noradrenaline) a hormone that is released by the sympathetic nervous system in response to stress and that increases heart rate and blood pressure
14. sn____e from a cold *v.* to breathe in audibly through the nose due to a cold or to emotions, often resulting in a runny or congested nose; to produce sniffing sounds repeatedly, typically associated with a runny or blocked nose
15. va____e electrons *n.* (of chemistry and physics) the bonding capacity or electron-attracting power of an atom or molecule; (of psychology and sociology) the emotional value or intensity involved in a particular experience or relationship

ANSWERS: 8. abet, 9. irritate, 10. playful, 11. locomote, 12. arouse, 13. norepinephrine, 14. sniffle, 15. valence

16. co_____on disorder *n.* the psychological process of perception and learning and reasoning; the mental action or process by which knowledge and understanding are developed in the mind
17. dis_____ion reaction *n.* the separation of ideas, emotions, or memories from a person's consciousness; a process by which molecules or compounds separate into smaller units or individual atoms
18. insulin v__l *n.* a small glass container, especially one containing liquid medicine or perfume
19. de__e into documents *v.* to dig or excavate deeply; to investigate or research intensively; to rummage or explore in a thorough or careful manner
20. ou_____ed business model *adj.* no longer in fashion or use; outdated or obsolete
21. rem_____nt of ancient times *adj.* making you remember someone or something; relating to the recall of personal interests
22. sch_____nia spectrum disorder *n.* a severe mental disorder in which a person has a distorted view of reality and may experience hallucinations, delusions, and disordered thinking and behavior
23. hu_____g bird *adj.* producing a continuous, low, vibrating sound like that of the bee
24. qu_____fy blood flow *v.* to express or measure something in numerical terms

ANSWERS: 16. cognition, 17. dissociation, 18. vial, 19. delve, 20. outmoded, 21. reminiscent, 22. schizophrenia, 23. humming, 24. quantify

25. tropical so____rd *n.* a bird with a musical call, such as a blackbird or thrush
26. in__r quality from price *v.* to form an opinion or conclude that something is true based on existing facts
27. ph_____pe variation *n.* the observable physical or biochemical characteristics of an individual organism that result from the interaction between its genetic makeup and the environment in which it lives
28. do_____ne-inhibiting agent *n.* a chemical substance produced by nerve cells as a neurotransmitter; as a drug, it is used to treat shock and hypotension
29. end at a sy_____e *n.* the fact or state of failing to finish an activity and of stopping using, making, or doing it
30. ep_____us restaurant *adj.* giving one's name to a thing or place; named after a particular person or entity, often the creator or originator of that thing or place
31. 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
32. pl_____l puppy *adj.* having a lighthearted, mischievous, or fun-loving nature; displaying a sense of enjoyment or amusement; characterized by a desire for entertainment or play

ANSWERS: 25. songbird, 26. infer, 27. phenotype, 28. dopamine, 29. synapse, 30. eponymous, 31. neuron, 32. playful

33. gr_____on of color *n.* a step-by-step change, or a slight change; levels into which anything is split; the process or outcome of something gradually altering
34. bi___y of bone marrow *n.* the process of removing and examining tissue from the body of the sick person to determine the existence or cause of a disease
35. cou_____ive results *adj.* contrary to what common sense would suggest
36. sy_____e circuit *n.* the fact or state of failing to finish an activity and of stopping using, making, or doing it
37. a sp_____ip to survey the moon *n.* (especially in science fiction) a spacecraft designed to carry a crew into interstellar space
38. the infinite in_____ty of man *n.* the quality of inventing things or solving problems in clever new ways
39. ba__e in the sea *v.* to wash or immerse oneself or another person in the water or a liquid; to expose a part of the body to a natural element, such as sunlight or air
40. ove_____ify a complex reality *v.* to describe or explain something in a way that is too simple and no longer holds true
41. di_____ct public opinion *v.* to draw someone's attention away from what they are trying to do
42. lon_____ing battery *adj.* existing or continuing for a long time
43. qu_____fy the results *v.* to express or measure something in numerical terms

ANSWERS: 33. gradation, 34. biopsy, 35. counterintuitive, 36. synapse, 37. spaceship, 38. ingenuity, 39. bathe, 40. oversimplify, 41. distract, 42. long-lasting, 43. quantify

44. un_____le a problem *v.* to separate or straighten out something that is tangled, confused, or complicated; to clarify or make sense of something difficult to understand or explain
45. dro_____la experiments *n.* a genus of small flies, commonly known as fruit flies, that belong to the family Drosophilidae, widely used in genetic research due to their short life cycles and easily observable traits
46. ove_____ify the problem *v.* to describe or explain something in a way that is too simple and no longer holds true
47. se_____in drug *n.* a neurotransmitter (= a chemical that carries nerve impulses) involved in, e.g., sleep, emotion, and memory
48. mo_____ph on economics *n.* a detailed and comprehensive written study or essay on a specific subject or topic, typically written by a single author or a small group of experts
49. ir_____te my partner *v.* to annoy, provoke, or cause resentment or anger in someone; to inflame or make sore
50. hyp_____ve imagination *adj.* excessively or abnormally active, restless, or easily excitable, particularly about children or animals with attention deficit hyperactivity disorder (ADHD)
51. trauma-related dis_____ion *n.* the separation of ideas, emotions, or memories from a person's consciousness; a process by which molecules or compounds separate into smaller units or individual atoms

ANSWERS: 44. untangle, 45. drosophila, 46. oversimplify, 47. serotonin, 48. monograph, 49. irritate, 50. hyperactive, 51. dissociation

52. mo_____ph publication *n.* a detailed and comprehensive written study or essay on a specific subject or topic, typically written by a single author or a small group of experts
53. S__T operation *v.* to strike or hit someone or something with a quick, sharp blow, usually with the hand or a flat object; (noun, an acronym that stands for "Special Weapons And Tactics") specialized groups within police departments that are trained to handle high-risk operations that regular officers are not equipped to deal with
54. un_____le a situation *v.* to separate or straighten out something that is tangled, confused, or complicated; to clarify or make sense of something difficult to understand or explain
55. rem_____nt smile *adj.* making you remember someone or something; relating to the recall of personal interests
56. antagonism of do_____ne *n.* a chemical substance produced by nerve cells as a neurotransmitter; as a drug, it is used to treat shock and hypotension
57. sn_____e in sadness *v.* to breathe in audibly through the nose due to a cold or to emotions, often resulting in a runny or congested nose; to produce sniffing sounds repeatedly, typically associated with a runny or blocked nose

ANSWERS: 52. monograph, 53. swat, 54. untangle, 55. reminiscent, 56. dopamine, 57. sniffle

58. chemical va_____e *n.* (of chemistry and physics) the bonding capacity or electron-attracting power of an atom or molecule; (of psychology and sociology) the emotional value or intensity involved in a particular experience or relationship
59. but mo_____er, they work well together *adv.* indicating that what follows is an additional or supplementary point; furthermore; in addition to what has been said before
60. pi_____nt the problem *v.* to locate or identify the exact position in space or time of something
61. a lon_____ing friendship *adj.* existing or continuing for a long time
62. glass v___ls *n.* a small glass container, especially one containing liquid medicine or perfume
63. pi_____nt signs of manipulation *v.* to locate or identify the exact position in space or time of something
64. an__y at the time *v.* to make someone angry, anxious, or irritating slightly
65. an ell_____al motion *adj.* having the shape of an oval (= a closed plane curve); using a word or expression that is ambiguous or vague, especially to mislead or avoid committing oneself
66. the city's communal ra__i *n.* a Jewish religious leader or a Jewish scholar or teacher
67. abound in in_____ty *n.* the quality of inventing things or solving problems in clever new ways
68. ancient pr_____b *n.* a short saying that expresses a truth or gives advice based on practical experience

ANSWERS: 58. valence, 59. moreover, 60. pinpoint, 61. long-lasting, 62. vial, 63. pinpoint, 64. annoy, 65. elliptical, 66. rabbi, 67. ingenuity, 68. proverb

69. fl__k a job interview *v.* to fail a test, examination, or course; to perform poorly or not meet the required standard
70. mo_____er, she decided to go *adv.* indicating that what follows is an additional or supplementary point; furthermore; in addition to what has been said before
71. an__y everyone else *v.* to make someone angry, anxious, or irritating slightly
72. mu_____om spores *n.* a type of fungus that grows on dead or decaying organic matter and typically has a stalk and an umbrella-shaped cap
73. dr_____e the ball *v.* to allow a liquid or substance to flow slowly and steadily in small drops; to move a ball or object in a series of small bounces or taps, often while running or maneuvering around other players
74. af_____t with the plague *v.* to cause pain, suffering, or distress to someone or something
75. vig_____ly shake *adv.* in a way that is very energetic and enthusiastic
76. de__e deeper *v.* to dig or excavate deeply; to investigate or research intensively; to rummage or explore in a thorough or careful manner
77. in__r the possibility *v.* to form an opinion or conclude that something is true based on existing facts
78. g__b of honey *n.* a small, round mass or lump; a drop or blob of liquid or viscous substance

ANSWERS: 69. flunk, 70. moreover, 71. annoy, 72. mushroom, 73. dribble, 74. afflict, 75. vigorously, 76. delve, 77. infer, 78. glob

79. liquid bi___y *n.* the process of removing and examining tissue from the body of the sick person to determine the existence or cause of a disease
80. migratory so____rd *n.* a bird with a musical call, such as a blackbird or thrush
81. mix vig_____ly by hand *adv.* in a way that is very energetic and enthusiastic
82. s_b quietly *v.* to cry or weep with short, sudden sounds
83. se_____in levels *n.* a neurotransmitter (= a chemical that carries nerve impulses) involved in, e.g., sleep, emotion, and memory
84. w__p nest *n.* a flying insect with a narrow waist and a sting, typically feeding on nectar and known for its aggressive behavior towards other insects and animals
85. cou_____ive behavior *adj.* contrary to what common sense would suggest
86. di_____ct attention from the real issue *v.* to draw someone's attention away from what they are trying to do
87. fl__k an exam *v.* to fail a test, examination, or course; to perform poorly or not meet the required standard
88. son of a ra__i *n.* a Jewish religious leader or a Jewish scholar or teacher
89. in_____fy a good relationship *v.* to increase or make something increase in extent or strength

ANSWERS: 79. biopsy, 80. songbird, 81. vigorously, 82. sob, 83. serotonin, 84. wasp, 85. counterintuitive, 86. distract, 87. flunk, 88. rabbi, 89. intensify

90. hyp_____ve child *adj.* excessively or abnormally active, restless, or easily excitable, particularly about children or animals with attention deficit hyperactivity disorder (ADHD)
91. social co_____on *n.* the psychological process of perception and learning and reasoning; the mental action or process by which knowledge and understanding are developed in the mind
92. s_b out a story *v.* to cry or weep with short, sudden sounds
93. alien sp_____ip *n.* (especially in science fiction) a spacecraft designed to carry a crew into interstellar space
94. enhance nor_____ine release *n.* (also noradrenaline) a hormone that is released by the sympathetic nervous system in response to stress and that increases heart rate and blood pressure
95. me_____e allergic reaction *v.* to try to bring about an agreement or understanding between people who are in conflict
96. mu_____om cultivation *n.* a type of fungus that grows on dead or decaying organic matter and typically has a stalk and an umbrella-shaped cap
97. hu_____g sound *adj.* producing a continuous, low, vibrating sound like that of the bee
98. lo_____te on foot *v.* to move or travel from one place to another, especially using wheels or legs
99. dominant ph_____pe *n.* the observable physical or biochemical characteristics of an individual organism that result from the interaction between its genetic makeup and the environment in which it lives

ANSWERS: 90. hyperactive, 91. cognition, 92. sob, 93. spaceship, 94. norepinephrine, 95. mediate, 96. mushroom, 97. humming, 98. locomote, 99. phenotype

100. subtle gr_____ons *n.* a step-by-step change, or a slight change; levels into which anything is split; the process or outcome of something gradually altering
101. a hackneyed pr_____b *n.* a short saying that expresses a truth or gives advice based on practical experience
102. dr_____e from my mouth *v.* to allow a liquid or substance to flow slowly and steadily in small drops; to move a ball or object in a series of small bounces or taps, often while running or maneuvering around other players
103. ep_____us album *adj.* giving one's name to a thing or place; named after a particular person or entity, often the creator or originator of that thing or place
104. ou_____ed fashion *adj.* no longer in fashion or use; outdated or obsolete
105. ba__e the baby *v.* to wash or immerse oneself or another person in the water or a liquid; to expose a part of the body to a natural element, such as sunlight or air
106. trade im_____ce *n.* a situation in which two or more things are not equal or equally treated
107. g__b of paint *n.* a small, round mass or lump; a drop or blob of liquid or viscous substance
108. pr_____e a disease *v.* to stimulate or give rise to a particular reaction or have a particular effect
109. symptoms of hormonal im_____ce *n.* a situation in which two or more things are not equal or equally treated

ANSWERS: 100. gradation, 101. proverb, 102. dribble, 103. eponymous, 104. outmoded, 105. bathe, 106. imbalance, 107. glob, 108. provoke, 109. imbalance

110. pr____e a reaction v. to stimulate or give rise to a particular reaction or have a particular effect
111. w__p sting n. a flying insect with a narrow waist and a sting, typically feeding on nectar and known for its aggressive behavior towards other insects and animals
112. ar____e desire v. to awaken strong feelings or emotions in someone; to excite or inspire a physical or emotional response
113. expertly s__t back the ball v. to strike or hit someone or something with a quick, sharp blow, usually with the hand or a flat object; (noun, an acronym that stands for "Special Weapons And Tactics") specialized groups within police departments that are trained to handle high-risk operations that regular officers are not equipped to deal with
114. af____t the economy v. to cause pain, suffering, or distress to someone or something

ANSWERS: 110. provoke, 111. wasp, 112. arouse, 113. SWAT, 114. afflict

Session 3: Fill in the Blanks

1. Some medications used to treat depression work by increasing the levels of _____ in the brain.
 - n.* (also noradrenaline) a hormone that is released by the sympathetic nervous system in response to stress and that increases heart rate and blood pressure

2. I need to _____ this knot before using this rope piece.
 - v.* to separate or straighten out something that is tangled, confused, or complicated; to clarify or make sense of something difficult to understand or explain

3. Though there is a _____ in the penalty, there is none in the categories of manslaughter.
 - n.* a step-by-step change, or a slight change; levels into which anything is split; the process or outcome of something gradually altering

4. The chief _____ chanted a prayer.
 - n.* a Jewish religious leader or a Jewish scholar or teacher

5. The professor focused on the research of infant _____.
 - n.* the psychological process of perception and learning and reasoning; the mental action or process by which knowledge and understanding are developed in the mind

6. I had to _____ away a fly that was buzzing around my head.
 - v.* to strike or hit someone or something with a quick, sharp blow, usually with the hand or a flat object; (noun, an acronym that stands for "Special Weapons And Tactics") specialized groups within police departments that are trained to handle high-risk operations that regular officers are not equipped to deal with

ANSWERS: 1. norepinephrine, 2. untangle, 3. gradation, 4. rabbi, 5. cognition, 6. swat

7. The company is environmentally conscious, and _____ it uses sustainable materials in its products.

adv. indicating that what follows is an additional or supplementary point; furthermore; in addition to what has been said before

8. The _____ nature of quantum physics has been a source of confusion for scientists for decades.

adj. contrary to what common sense would suggest

9. The _____ patient was experiencing severe auditory hallucinations.

n. a severe mental disorder in which a person has a distorted view of reality and may experience hallucinations, delusions, and disordered thinking and behavior

10. His painting style is _____ of Monet's

adj. making you remember someone or something; relating to the recall of personal interests

11. Researchers must _____ into the intricacies of the human brain to understand mental illness.

v. to dig or excavate deeply; to investigate or research intensively; to rummage or explore in a thorough or careful manner

12. The only way to _____ through the rugged terrain was on foot.

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

13. The doctor performed an excisional breast _____.

n. the process of removing and examining tissue from the body of the sick person to determine the existence or cause of a disease

14. The medicine works by boosting _____ levels in the brain.

n. a neurotransmitter (= a chemical that carries nerve impulses) involved in, e.g., sleep, emotion, and memory

ANSWERS: 7. moreover, 8. counterintuitive, 9. schizophrenia, 10. reminiscent, 11. delve, 12. locomote, 13. biopsy, 14. serotonin

15. 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
16. He tried to _____ the amount of product that was needed to complete the job.
- v.* to express or measure something in numerical terms
17. The _____ dog was running around the house, knocking things over.
- adj.* excessively or abnormally active, restless, or easily excitable, particularly about children or animals with attention deficit hyperactivity disorder (ADHD)
18. I always _____ my dog after she swims in the lake.
- v.* to wash or immerse oneself or another person in the water or a liquid; to expose a part of the body to a natural element, such as sunlight or air
19. Our genetic _____ determines the color of our eyes.
- n.* the observable physical or biochemical characteristics of an individual organism that result from the interaction between its genetic makeup and the environment in which it lives
20. The satellite's _____ orbit made it appear to change its distance from earth.
- adj.* having the shape of an oval (= a closed plane curve); using a word or expression that is ambiguous or vague, especially to mislead or avoid committing oneself
21. The teacher had to _____ a disagreement between two students over a stolen pencil.
- v.* to try to bring about an agreement or understanding between people who are in conflict

ANSWERS: 15. neuron, 16. quantify, 17. hyperactive, 18. bathe, 19. phenotype, 20. elliptical, 21. mediate

22. The coffee from your cup is starting to _____ down your shirt.
- v.* to allow a liquid or substance to flow slowly and steadily in small drops; to move a ball or object in a series of small bounces or taps, often while running or maneuvering around other players
23. Creativity and _____ are often brought about by extreme concentration.
- n.* the quality of inventing things or solving problems in clever new ways
24. The sound of his chewing loudly _____ me during dinner.
- v.* to annoy, provoke, or cause resentment or anger in someone; to inflame or make sore
25. Her behavior _____ a quarrel between the couple.
- v.* to stimulate or give rise to a particular reaction or have a particular effect
26. The _____ of an atom determines its chemical properties.
- n.* (of chemistry and physics) the bonding capacity or electron-attracting power of an atom or molecule; (of psychology and sociology) the emotional value or intensity involved in a particular experience or relationship
27. The children couldn't contain their _____ excitement at seeing the new playground.
- adj.* having a lighthearted, mischievous, or fun-loving nature; displaying a sense of enjoyment or amusement; characterized by a desire for entertainment or play
28. Animals transmit nerve impulses through _____.
- n.* the fact or state of failing to finish an activity and of stopping using, making, or doing it
29. Researchers often use _____ mutants to investigate the function and importance of specific genes.
- n.* a genus of small flies, commonly known as fruit flies, that belong to the family Drosophilidae, widely used in genetic research due to their short life cycles and easily observable traits

ANSWERS: 22. dribble, 23. ingenuity, 24. irritates, 25. provoked, 26. valence, 27.

playful, 28. synapses, 29. drosophila

30. She _____ uncontrollably after hearing the news.
- v. to cry or weep with short, sudden sounds
31. His _____ from his emotions made him distant and unresponsive.
- n. the separation of ideas, emotions, or memories from a person's consciousness; a process by which molecules or compounds separate into smaller units or individual atoms
32. Rebels have pledged to _____ the armed struggle against the dictatorship.
- v. to increase or make something increase in extent or strength
33. He was so ill-prepared that he _____ the driving test on his first attempt.
- v. to fail a test, examination, or course; to perform poorly or not meet the required standard
34. The scientific _____ presents new findings on the effects of climate change on coral reefs.
- n. a detailed and comprehensive written study or essay on a specific subject or topic, typically written by a single author or a small group of experts
35. People may _____ natural phenomena due to the improved accessibility of knowledge.
- v. to describe or explain something in a way that is too simple and no longer holds true
36. The disease can _____ both humans and animals.
- v. to cause pain, suffering, or distress to someone or something
37. She _____ as she walked in the cold winter air.
- v. to breathe in audibly through the nose due to a cold or to emotions, often resulting in a runny or congested nose; to produce sniffing sounds repeatedly, typically associated with a runny or blocked nose

ANSWERS: 30. sobbed, 31. dissociation, 32. intensify, 33. flunked, 34. monograph, 35. oversimplify, 36. afflict, 37. sniffled

38. The famous _____ "actions speak louder than words" reminds us to focus on deeds instead of words.

n. a short saying that expresses a truth or gives advice based on practical experience

39. The _____ risotto was delicious, but I couldn't identify all the mushrooms in it.

n. a type of fungus that grows on dead or decaying organic matter and typically has a stalk and an umbrella-shaped cap

40. He _____ scrubbed the stains on the shirt.

adv. in a way that is very energetic and enthusiastic

41. Animal desire and preference are always _____ from their behavior.

v. to form an opinion or conclude that something is true based on existing facts

42. A giant _____ flew into the room, and everyone panicked.

n. a flying insect with a narrow waist and a sting, typically feeding on nectar and known for its aggressive behavior towards other insects and animals

43. The drug controls the level of _____ in the brain.

n. a chemical substance produced by nerve cells as a neurotransmitter; as a drug, it is used to treat shock and hypotension

44. Federal law protects the majority of _____.

n. a bird with a musical call, such as a blackbird or thrush

45. She refused to _____ her friend in cheating on the exam.

v. to assist, encourage, or support someone in the commission of a crime or wrongdoing; to actively promote or aid in the accomplishment of an action

ANSWERS: 38. proverb, 39. mushroom, 40. vigorously, 41. inferred, 42. wasp, 43. dopamine, 44. songbirds, 45. abet

46. This medication is sealed in a _____.
n. a small glass container, especially one containing liquid medicine or perfume
47. The _____ of the bees filled the air as she walked through the garden.
adj. producing a continuous, low, vibrating sound like that of the bee
48. An _____ in certain substances causes problems with brain function.
n. a situation in which two or more things are not equal or equally treated
49. Please don't _____ me while I'm studying.
v. to draw someone's attention away from what they are trying to do
50. They launched a crewless _____ into space.
n. (especially in science fiction) a spacecraft designed to carry a crew into interstellar space
51. This radar quickly _____ the position of the enemy.
v. to locate or identify the exact position in space or time of something
52. The rousing speech by the politician _____ the audience to action.
v. to awaken strong feelings or emotions in someone; to excite or inspire a physical or emotional response
53. The movie was named after its _____ character, a famous detective.
adj. giving one's name to a thing or place; named after a particular person or entity, often the creator or originator of that thing or place
54. She squeezed a _____ of toothpaste onto her toothbrush.
n. a small, round mass or lump; a drop or blob of liquid or viscous substance

ANSWERS: 46. vial, 47. humming, 48. imbalance, 49. distract, 50. spaceship, 51. pinpoints, 52. aroused, 53. eponymous, 54. glob

55. They finally decided to solve the _____ problem.

adj. existing or continuing for a long time

56. Her constant chatter was starting to _____ the neighbors.

v. to make someone angry, anxious, or irritating slightly

57. The company decided to replace its _____ machinery with newer technology.

adj. no longer in fashion or use; outdated or obsolete

ANSWERS: 55. long-lasting, 56. annoy, 57. outmoded