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Vocabulary Builder Reference from...

Charles Limb: Your brain on improv | TED Talk

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

Advanced Words Only

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Session 1: Word List

fascination

n. the state of being intensely interested in someone or something, or a powerful attraction

synonym: allure, attraction, charm

(1) rapt in **fascination**, (2) the **fascination** with classical music

I looked at the painting in **fascination**.

grapple

v. to make a strenuous effort to solve a problem; to engage in a close fight or conflict without weapons

synonym: brawl, scuffle, wrestle

(1) **grapple** with problem, (2) **grapple** with each other

He needed to **grapple** with structural reforms to improve the company's revenue.

improvisation

n. the act of making something up on the spot or creating or performing something without preparation

synonym: spontaneity, ad-lib, extemporization

(1) **improvisation** on stage, (2) jazz **improvisation**

He created a beautiful piece of music using only **improvisation**.

improvise

v. to create or perform something on the spot, without preparation or planning; to use what one has available to do or create something

synonym : ad-lib, extemporize

(1) **improvise** a joke, (2) **improvise** an escape plan

We had to **improvise** a tent using a tarp and sticks since we didn't have a proper one.

astound

v. to surprise or shock someone with wonder very much

synonym : amaze, astonish, surprise

(1) **astound** everyone, (2) **astound** the viewer

The final result was nothing short of **astounding**.

spontaneously

adv. in a way that is natural, not planned or forced, and often sudden

synonym : impromptu, automatically, immediately

(1) recover **spontaneously** after five days, (2) this shift occurs **spontaneously**

The electrical cord **spontaneously** combusted.

neurology

n. the branch of medicine that deals with the diagnosis and treatment of disorders of the nervous system

synonym : brain science, nervous system, neuropathology

(1) cognitive **neurology**, (2) **neurology** department

She is studying clinical **neurology** to become a brain surgeon.

innovate

v. to introduce new methods, ideas, or products

synonym : bring in, introduce, found

(1) **innovate** a new method, (2) **innovate** the quality of his life

Companies developing self-driving cars consistently **innovate** the emerging technologies.

infancy

n. the state or period of being a baby or very young child

synonym : childhood, babyhood, juvenescence

(1) **infancy** stage, (2) in early **infancy**

The technology is still in its **infancy** and has much room for improvement.

burgeon

v. to grow or develop rapidly, especially in a healthy or vigorous way

synonym: flourish, bloom, thrive

(1) **burgeon** rapidly, (2) **burgeon** from every corner.

The city's art scene has been **burgeoning** recently, with new galleries and exhibitions popping up regularly.

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.

neuroscience

n. the scientific study of the function, structure, and disorder of the brain and the nervous system

(1) the branch of **neuroscience**, (2) a theoretical concept in **neuroscience**

Our university is famous for its professors, who are well-versed in behavioral **neuroscience**.

MRI

n. (abbreviation for magnetic resonance imaging) a medical imaging technique that uses a strong magnetic field and radio waves to produce detailed images of the inside of the body

(1) **MRI** brain image, (2) cardiac **MRI**

The **MRI** machine uses powerful magnets to produce detailed images of the inside of the body.

shunt

v. to redirect or transfer something, often a flow of liquid or gas, to an alternative path or conduit; to move someone or something aside or out of the way; (noun) a device used to divert or redirect the flow of something, usually electrical current or fluid

synonym: redirect, divert, reroute

(1) **shunt** surgery, (2) **shunt** the output wavelength

The railway workers had to **shunt** the train to a different track to clear the tracks.

hemoglobin

n. a protein-based molecule found in red blood cells that transports oxygen throughout the body

synonym: red cell pigment, oxygen carrier

(1) **hemoglobin** level, (2) abnormal **hemoglobin**

The **hemoglobin** gene mutation can cause genetic disorders such as sickle cell disease.

crux

n. the most important or fundamental part of a matter or situation; the key point or central issue

synonym: heart, core, essence

(1) main **crux**, (2) the **crux** of the argument

The **crux** of the matter was that the company was not financially stable.

artifact

n. a person-made object, especially one of historical or cultural interest

synonym: antique, relic, heirloom

(1) paleolithic **artifacts**, (2) Peruvian **artifacts**

The museum has a vast collection of Greek **artifacts**.

memorize

v. to learn something carefully so that you will remember it exactly

synonym: learn, remember, remind

(1) **memorize** musical scores, (2) try hard to **memorize** the lines

Lawyers need to **memorize** even the most minor provisions of the law.

metronome

n. a device used by musicians to mark time by means of regularly recurring ticks or sounds at an adjustable tempo

synonym: beatkeeper, timekeeper

(1) **metronome** ticking, (2) electronic **metronome**

The composer marked the score with **metronome** indications to guide the musicians.

condense

v. to reduce the volume or size of something, often by removing water or other liquid; to make something shorter, more concise, or more concentrated

synonym: compress, compact, shorten

(1) **condense** the text, (2) **condense** water vapor

I need to **condense** all of my notes into a manageable summary for my presentation.

subtraction

n. the process or action of removing one number from another; the mathematical operation of finding the difference between two numbers or quantities

synonym: deduction, minus, withdrawal

(1) **subtraction** equation, (2) double-digit **subtraction**

The **subtraction** of expenses from revenue resulted in a net profit for the company.

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.

lobe

n. a rounded projection or division, especially of the brain, lung, or liver

synonym: part, section, division

(1) **lobe** of the liver, (2) frontal **lobe**

The lungs are divided into five **lobes**.

medial

adj. referencing or situated in the middle of something; pertaining to or located near the axis of the body

synonym: central, intermediate, midmost

(1) **medial** thigh, (2) **medial** approach

The **medial** side of the knee is prone to injury in certain sports like soccer and basketball.

introspect

v. to look inward and examine one's thoughts, feelings, or motives; to engage in self-reflection

synonym : reflect, contemplate, meditate

(1) **introspect** behavior, (2) **introspect** my thoughts

The therapist guided her patient to **introspect** and identify his deepest fears.

autobiographical

adj. relating to or based on the experiences, thoughts, or life story of oneself; about one's own life history or personal narrative

synonym : self-written, self-told, personal

(1) **autobiographical** narrative, (2) **autobiographical** memory

The author wrote an **autobiographical** novel about growing up in a small town.

expressive

adj. capable of conveying thoughts, emotions, or ideas effectively; showing or revealing one's thoughts or feelings clearly and vividly; characterized by a high degree of expressiveness

synonym : meaningful, communicative, eloquent

(1) **expressive** artwork, (2) **expressive** language

Her **expressive** dance moves captivated the audience during the performance.

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.

papal

adj. relating to the pope (= the head of the Roman Catholic Church) or the Roman Catholic Church

synonym : pontifical, papistic, apostolical

(1) **papal** authority, (2) **papal** visit

The **papal** palace was a grand and imposing structure.

acclimate

v. to adapt or adjust to a new climate, environment, or situation, often by undergoing a period of exposure or learning

synonym : adjust, adapt, acclimatize

(1) **acclimate** to the climate, (2) **acclimate** to the culture
It takes time for your body to **acclimate** to a new environment.

kinesthetic

adj. relating to the sense of movement or muscle tension

synonym : physical, somatic, tactile

(1) **kinesthetic** feedback, (2) **kinesthetic** sense

The **kinesthetic** learning style focuses on physical movement and hands-on activities.

interplay

n. the way in which two or more things interact or influence each other

synonym : interaction, give-and-take, interconnection

(1) **interplay** among neurons, (2) complex **interplay**

The **interplay** of light and shadow creates a dramatic effect in the painting.

cardinal

n. a high-ranking official in the Roman Catholic Church, appointed by the Pope; a deep or bright red color; a bird of the finch family with a distinctive crest on its head; (adjective) of or relating to the highest or most important things

synonym : bishop, archbishop, carmine

(1) **cardinal** rule, (2) **cardinal** red

The **cardinal's** robes were made of rich red silk.

gyrus

n. a convolution of the surface of the brain

synonym : convolution, brain fold, cerebral sulcus

(1) **gyrus** function, (2) cerebral **gyrus**

The inferior temporal **gyrus** is involved in object recognition.

homologous

adj. having the same or similar structure, position, or function, particularly in different species or organisms;

related by common ancestry

synonym: corresponding, analogous, similar

(1) **homologous** genes, (2) **homologous** structures

Homologous recombination is a process that can occur during DNA repair.

fascinate

v. to attract and hold the attention of someone deeply and irresistibly

synonym: captivate, intrigue, mesmerize

(1) **fascinate** the public, (2) **fascinate** the young

The magic tricks **fascinated** the children.

synergy

n. the interaction of elements that, when combined, produce a total effect that is greater than the sum of the individual elements

synonym: cooperation, collaboration, partnership

(1) **synergy** collaboration, (2) **synergy** between businesses

The new software program was designed to increase productivity by promoting employee **synergy**.

correlate

v. to have a connection or relationship in which one thing affects or depends on another

synonym: associate, liken, connect

(1) **correlate** closely with the quality, (2) **correlate** to the size

We may frequently **correlate** age with the frequency of disease.

thump

v. to strike or hit heavily or repeatedly, often with a dull, resonating sound; to pound or beat forcefully

synonym: beat, thud, pound

(1) **thump** on the back, (2) **thump** a blistering shot

I heard someone **thump** on the door, and when I opened it, no one was there.

rhyme

n. a word or phrase that has the same last sound as another word or phrase, often used in poetry and songwriting

synonym: verse, poetry, meter

(1) **rhyme** poem, (2) write in **rhyme**

The poem had a consistent **rhyme** scheme throughout.

spit

v. to eject saliva or other liquid from the mouth

synonym: expectorate, saliva, spew

(1) **spit** a bullet, (2) **spit** a mouthful of saliva

She tried to **spit** out the gum that she had been chewing.

psychopathic

adj. relating to or suffering from a serious, and often undiagnosed, mental disorder with extreme or violent social behavior

synonym: psychotic, crazy, insane

(1) high levels of **psychopathic** traits, (2) **psychopathic** issues

He is going to play a **psychopathic** killer in this movie.

whisper

v. to speak very quietly to somebody using the breath rather than the voice so that only those close to you can hear you

synonym: murmur, rumor, mutter

(1) answer in a **whisper**, (2) the **whisper** of the leaves

He took me aside and **whispered** in my ear.

hover

v. to stay in one place in the air

synonym: hang, float over, drift

(1) **hover** between life and death, (2) **hover** around the table

Two birds were **hovering** overhead.

confine

v. to restrict the movement of someone or something

synonym: restrict, limit, contain

(1) **confine** themselves solely, (2) **confine** the scope of use

The animal was **confined** in a small cage.

cuff *n.* a band or strip of material, usually worn around the wrist or ankle, often used to secure or fasten something in place; a blow or hit delivered with an open hand, typically to the head or ear
synonym : bracelet, handcuff, shackle
(1) **cuff** bracelet, (2) soft **cuff**
The doctor used a blood pressure **cuff** to measure my vitals.

extraterrestrial *adj.* relating to or existing outside of the Earth's atmosphere or planetary boundaries; pertaining to beings or phenomena that originate from beyond the Earth
synonym : alien, outer, otherworldly
(1) **extraterrestrial** planet, (2) **extraterrestrial** intelligence
Scientists are constantly searching for signs of **extraterrestrial** life in the universe.

celestial *adj.* relating to the sky or the heavens; of or like the sky or the heavens
synonym : heavenly, divine, ethereal
(1) **celestial** bliss, (2) **celestial** navigation
The **celestial** bodies in the night sky were beautiful to behold.

apocalyptic *adj.* describing severe damage and destruction in past or future events, or the end of the world
synonym : fateful, prophetic, ominous
(1) **apocalyptic** event, (2) have **apocalyptic** overtones
The **apocalyptic** landscape of burnt-out villages and bombed-out ruins spread out before them.

detrimental *adj.* causing harm or damage
synonym : harmful, damaging, injurious
(1) **detrimental** eating habits, (2) **detrimental** to good health
The new policy had a **detrimental** impact on small businesses.

neurological

adj. of or relating to the science of neurology or the nervous system

synonym : nervous, neural, brain-related

(1) fever with **neurological** signs, (2) **neurological** symptoms

The patient was diagnosed with a **neurological** disorder affecting their motor skills.

phenomenal

adj. extremely good or impressive; outstanding

synonym : extraordinary, remarkable, impressive

(1) **phenomenal** success, (2) **phenomenal** growth

The athlete's **phenomenal** performance broke all previous records.

cerebellum

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

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

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

Session 2: Spelling

- | | |
|---|--|
| 1. as_____d everyone | <i>v.</i> to surprise or shock someone with wonder very much |
| 2. a theoretical concept in neu_____nce | <i>n.</i> the scientific study of the function, structure, and disorder of the brain and the nervous system |
| 3. in_____ay among neurons | <i>n.</i> the way in which two or more things interact or influence each other |
| 4. exp_____ve artwork | <i>adj.</i> capable of conveying thoughts, emotions, or ideas effectively; showing or revealing one's thoughts or feelings clearly and vividly; characterized by a high degree of expressiveness |
| 5. in_____te a new method | <i>v.</i> to introduce new methods, ideas, or products |
| 6. imp_____ion on stage | <i>n.</i> the act of making something up on the spot or creating or performing something without preparation |
| 7. jazz imp_____ion | <i>n.</i> the act of making something up on the spot or creating or performing something without preparation |
| 8. the branch of neu_____nce | <i>n.</i> the scientific study of the function, structure, and disorder of the brain and the nervous system |
| 9. Peruvian ar_____cts | <i>n.</i> a person-made object, especially one of historical or cultural interest |
| 10. ca_____al red | <i>n.</i> a high-ranking official in the Roman Catholic Church, appointed by the Pope; a deep or bright red color; a bird of the finch family with a distinctive crest on its head; (adjective) of or relating to the highest or most important things |

ANSWERS: 1. astound, 2. neuroscience, 3. interplay, 4. expressive, 5. innovate, 6. improvisation, 7. improvisation, 8. neuroscience, 9. artifact, 10. cardinal

11. ce_____al bliss *adj.* relating to the sky or the heavens; of or like the sky or the heavens
12. s__t a mouthful of saliva *v.* to eject saliva or other liquid from the mouth
13. hom_____us genes *adj.* having the same or similar structure, position, or function, particularly in different species or organisms; related by common ancestry
14. answer in a wh_____r *v.* to speak very quietly to somebody using the breath rather than the voice so that only those close to you can hear you
15. co_____e themselves solely *v.* to restrict the movement of someone or something
16. psy_____hic issues *adj.* relating to or suffering from a serious, and often undiagnosed, mental disorder with extreme or violent social behavior
17. abnormal hem_____in *n.* a protein-based molecule found in red blood cells that transports oxygen throughout the body
18. fa_____te the young *v.* to attract and hold the attention of someone deeply and irresistibly
19. ho__r around the table *v.* to stay in one place in the air
20. the c__x of the argument *n.* the most important or fundamental part of a matter or situation; the key point or central issue
21. in early in_____y *n.* the state or period of being a baby or very young child
22. pre_____al bone *adj.* in or about the foremost part of the frontal lobe of the brain

ANSWERS: 11. celestial, 12. spit, 13. homologous, 14. whisper, 15. confine, 16. psychopathic, 17. hemoglobin, 18. fascinate, 19. hover, 20. crux, 21. infancy, 22. prefrontal

23. ho__r between life and death *v.* to stay in one place in the air
24. apo_____ic event *adj.* describing severe damage and destruction in past or future events, or the end of the world
25. paleolithic ar_____cts *n.* a person-made object, especially one of historical or cultural interest
26. det_____al eating habits *adj.* causing harm or damage
27. im_____se an escape plan *v.* to create or perform something on the spot, without preparation or planning; to use what one has available to do or create something
28. sy_____y between businesses *n.* the interaction of elements that, when combined, produce a total effect that is greater than the sum of the individual elements
29. complex in_____ay *n.* the way in which two or more things interact or influence each other
30. fl_____sh worldwide *v.* to grow or develop vigorously or successfully
31. gr_____e with each other *v.* to make a strenuous effort to solve a problem; to engage in a close fight or conflict without weapons
32. co_____te to the size *v.* to have a connection or relationship in which one thing affects or depends on another
33. sh__t the output wavelength *v.* to redirect or transfer something, often a flow of liquid or gas, to an alternative path or conduit; to move someone or something aside or out of the way; (noun) a device used to divert or redirect the flow of something, usually electrical current or fluid

ANSWERS: 23. hover, 24. apocalyptic, 25. artifact, 26. detrimental, 27. improvise, 28. synergy, 29. interplay, 30. flourish, 31. grapple, 32. correlate, 33. shunt

34. ext_____ial planet *adj.* relating to or existing outside of the Earth's atmosphere or planetary boundaries; pertaining to beings or phenomena that originate from beyond the Earth
35. in_____y stage *n.* the state or period of being a baby or very young child
36. main c__x *n.* the most important or fundamental part of a matter or situation; the key point or central issue
37. th__p on the back *v.* to strike or hit heavily or repeatedly, often with a dull, resonating sound; to pound or beat forcefully
38. bu_____n from every corner. *v.* to grow or develop rapidly, especially in a healthy or vigorous way
39. gr_____e with problem *v.* to make a strenuous effort to solve a problem; to engage in a close fight or conflict without weapons
40. electronic me_____me *n.* a device used by musicians to mark time by means of regularly recurring ticks or sounds at an adjustable tempo
41. int_____ct behavior *v.* to look inward and examine one's thoughts, feelings, or motives; to engage in self-reflection
42. co_____te closely with the quality *v.* to have a connection or relationship in which one thing affects or depends on another
43. bu_____n rapidly *v.* to grow or develop rapidly, especially in a healthy or vigorous way

ANSWERS: 34. extraterrestrial, 35. infancy, 36. crux, 37. thump, 38. burgeon, 39. grapple, 40. metronome, 41. introspect, 42. correlate, 43. burgeon

44. fever with neu_____cal signs *adj.* of or relating to the science of neurology or the nervous system
45. rapt in fas_____on *n.* the state of being intensely interested in someone or something, or a powerful attraction
46. ext_____ial intelligence *adj.* relating to or existing outside of the Earth's atmosphere or planetary boundaries; pertaining to beings or phenomena that originate from beyond the Earth
47. exp_____ve language *adj.* capable of conveying thoughts, emotions, or ideas effectively; showing or revealing one's thoughts or feelings clearly and vividly; characterized by a high degree of expressiveness
48. rh__e poem *n.* a word or phrase that has the same last sound as another word or phrase, often used in poetry and songwriting
49. ne_____gy department *n.* the branch of medicine that deals with the diagnosis and treatment of disorders of the nervous system
50. frontal l__e *n.* a rounded projection or division, especially of the brain, lung, or liver
51. aut_____cal narrative *adj.* relating to or based on the experiences, thoughts, or life story of oneself; about one's own life history or personal narrative
52. co_____se the text *v.* to reduce the volume or size of something, often by removing water or other liquid; to make something shorter, more concise, or more concentrated

ANSWERS: 44. neurological, 45. fascination, 46. extraterrestrial, 47. expressive, 48. rhyme, 49. neurology, 50. lobe, 51. autobiographical, 52. condense

53. pa__l authority *adj.* relating to the pope (= the head of the Roman Catholic Church) or the Roman Catholic Church
54. have apo_____ic overtones *adj.* describing severe damage and destruction in past or future events, or the end of the world
55. recover spo_____sly after five days *adv.* in a way that is natural, not planned or forced, and often sudden
56. fa_____te the public *v.* to attract and hold the attention of someone deeply and irresistibly
57. cardiac M_l *n.* (abbreviation for magnetic resonance imaging) a medical imaging technique that uses a strong magnetic field and radio waves to produce detailed images of the inside of the body
58. in_____te the quality of his life *v.* to introduce new methods, ideas, or products
59. det_____al to good health *adj.* causing harm or damage
60. me_____me ticking *n.* a device used by musicians to mark time by means of regularly recurring ticks or sounds at an adjustable tempo
61. sh__t surgery *v.* to redirect or transfer something, often a flow of liquid or gas, to an alternative path or conduit; to move someone or something aside or out of the way; (noun) a device used to divert or redirect the flow of something, usually electrical current or fluid
62. cerebral gy__s *n.* a convolution of the surface of the brain

ANSWERS: 53. papal, 54. apocalyptic, 55. spontaneously, 56. fascinate, 57. MRI, 58. innovate, 59. detrimental, 60. metronome, 61. shunt, 62. gyrus

63. gy__s function *n.* a convolution of the surface of the brain
64. aut_____cal memory *adj.* relating to or based on the experiences, thoughts, or life story of oneself; about one's own life history or personal narrative
65. sub_____on equation *n.* the process or action of removing one number from another; the mathematical operation of finding the difference between two numbers or quantities
66. ac_____te to the culture *v.* to adapt or adjust to a new climate, environment, or situation, often by undergoing a period of exposure or learning
67. ac_____te to the climate *v.* to adapt or adjust to a new climate, environment, or situation, often by undergoing a period of exposure or learning
68. me___l approach *adj.* referencing or situated in the middle of something; pertaining to or located near the axis of the body
69. l__e of the liver *n.* a rounded projection or division, especially of the brain, lung, or liver
70. double-digit sub_____on *n.* the process or action of removing one number from another; the mathematical operation of finding the difference between two numbers or quantities
71. s__t a bullet *v.* to eject saliva or other liquid from the mouth
72. as_____d the viewer *v.* to surprise or shock someone with wonder very much

ANSWERS: 63. gyrus, 64. autobiographical, 65. subtraction, 66. acclimate, 67. acclimate, 68. medial, 69. lobe, 70. subtraction, 71. spit, 72. astound

73. phe_____al growth *adj.* extremely good or impressive; outstanding
74. pa__l visit *adj.* relating to the pope (= the head of the Roman Catholic Church) or the Roman Catholic Church
75. 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
76. development of cer_____um *n.* the part of the brain at the back of the head that plays an important role in motor control, balance, and coordination
77. me_____ze musical scores *v.* to learn something carefully so that you will remember it exactly
78. c__f bracelet *n.* a band or strip of material, usually worn around the wrist or ankle, often used to secure or fasten something in place; a blow or hit delivered with an open hand, typically to the head or ear
79. M_I brain image *n.* (abbreviation for magnetic resonance imaging) a medical imaging technique that uses a strong magnetic field and radio waves to produce detailed images of the inside of the body
80. neu_____cal symptoms *adj.* of or relating to the science of neurology or the nervous system
81. phe_____al success *adj.* extremely good or impressive; outstanding

ANSWERS: 73. phenomenal, 74. papal, 75. dissociation, 76. cerebellum, 77. memorize, 78. cuff, 79. MRI, 80. neurological, 81. phenomenal

82. int_____ct my thoughts *v.* to look inward and examine one's thoughts, feelings, or motives; to engage in self-reflection
83. the wh_____r of the leaves *v.* to speak very quietly to somebody using the breath rather than the voice so that only those close to you can hear you
84. co_____e the scope of use *v.* to restrict the movement of someone or something
85. pre_____al region *adj.* in or about the foremost part of the frontal lobe of the brain
86. im_____se a joke *v.* to create or perform something on the spot, without preparation or planning; to use what one has available to do or create something
87. try hard to me_____ze the lines *v.* to learn something carefully so that you will remember it exactly
88. this shift occurs spo_____sly *adv.* in a way that is natural, not planned or forced, and often sudden
89. cognitive ne_____gy *n.* the branch of medicine that deals with the diagnosis and treatment of disorders of the nervous system
90. hem_____in level *n.* a protein-based molecule found in red blood cells that transports oxygen throughout the body
91. write in rh__e *n.* a word or phrase that has the same last sound as another word or phrase, often used in poetry and songwriting
92. sy_____y collaboration *n.* the interaction of elements that, when combined, produce a total effect that is greater than the sum of the individual elements

ANSWERS: 82. introspect, 83. whisper, 84. confine, 85. prefrontal, 86. improvise, 87. memorize, 88. spontaneously, 89. neurology, 90. hemoglobin, 91. rhyme, 92. synergy

93. me___l thigh *adj.* referencing or situated in the middle of something; pertaining to or located near the axis of the body
94. kin_____ic sense *adj.* relating to the sense of movement or muscle tension
95. hom_____us structures *adj.* having the same or similar structure, position, or function, particularly in different species or organisms; related by common ancestry
96. kin_____ic feedback *adj.* relating to the sense of movement or muscle tension
97. soft c___f *n.* a band or strip of material, usually worn around the wrist or ankle, often used to secure or fasten something in place; a blow or hit delivered with an open hand, typically to the head or ear
98. ce_____al navigation *adj.* relating to the sky or the heavens; of or like the sky or the heavens
99. the fas_____on with classical music *n.* the state of being intensely interested in someone or something, or a powerful attraction
100. high levels of psy_____hic traits *adj.* relating to or suffering from a serious, and often undiagnosed, mental disorder with extreme or violent social behavior
101. cer_____um function *n.* the part of the brain at the back of the head that plays an important role in motor control, balance, and coordination
102. fl_____sh economically *v.* to grow or develop vigorously or successfully

ANSWERS: 93. medial, 94. kinesthetic, 95. homologous, 96. kinesthetic, 97. cuff, 98. celestial, 99. fascination, 100. psychopathic, 101. cerebellum, 102. flourish

103. th__p a blistering shot
- v.* to strike or hit heavily or repeatedly, often with a dull, resonating sound; to pound or beat forcefully
104. 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
105. co_____se water vapor
- v.* to reduce the volume or size of something, often by removing water or other liquid; to make something shorter, more concise, or more concentrated
106. ca_____al rule
- n.* a high-ranking official in the Roman Catholic Church, appointed by the Pope; a deep or bright red color; a bird of the finch family with a distinctive crest on its head; (adjective) of or relating to the highest or most important things

ANSWERS: 103. thump, 104. dissociation, 105. condense, 106. cardinal

Session 3: Fill in the Blanks

1. She is studying clinical _____ to become a brain surgeon.
n. the branch of medicine that deals with the diagnosis and treatment of disorders of the nervous system

2. The animal was _____ in a small cage.
v. to restrict the movement of someone or something

3. We may frequently _____ age with the frequency of disease.
v. to have a connection or relationship in which one thing affects or depends on another

4. The therapist guided her patient to _____ and identify his deepest fears.
v. to look inward and examine one's thoughts, feelings, or motives; to engage in self-reflection

5. The new policy had a _____ impact on small businesses.
adj. causing harm or damage

6. The author wrote an _____ novel about growing up in a small town.
adj. relating to or based on the experiences, thoughts, or life story of oneself; about one's own life history or personal narrative

7. The ___ machine uses powerful magnets to produce detailed images of the inside of the body.
n. (abbreviation for magnetic resonance imaging) a medical imaging technique that uses a strong magnetic field and radio waves to produce detailed images of the inside of the body

ANSWERS: 1. neurology, 2. confined, 3. correlate, 4. introspect, 5. detrimental, 6. autobiographical, 7. MRI

8. The _____ landscape of burnt-out villages and bombed-out ruins spread out before them.
adj. describing severe damage and destruction in past or future events, or the end of the world
9. The railway workers had to _____ the train to a different track to clear the tracks.
v. to redirect or transfer something, often a flow of liquid or gas, to an alternative path or conduit; to move someone or something aside or out of the way; (noun) a device used to divert or redirect the flow of something, usually electrical current or fluid
10. The technology is still in its _____ and has much room for improvement.
n. the state or period of being a baby or very young child
11. He is going to play a _____ killer in this movie.
adj. relating to or suffering from a serious, and often undiagnosed, mental disorder with extreme or violent social behavior
12. Her _____ dance moves captivated the audience during the performance.
adj. capable of conveying thoughts, emotions, or ideas effectively; showing or revealing one's thoughts or feelings clearly and vividly; characterized by a high degree of expressiveness
13. 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
14. The athlete's _____ performance broke all previous records.
adj. extremely good or impressive; outstanding

ANSWERS: 8. apocalyptic, 9. shunt, 10. infancy, 11. psychopathic, 12. expressive, 13. prefrontal, 14. phenomenal

15. The _____ of light and shadow creates a dramatic effect in the painting.
n. the way in which two or more things interact or influence each other
16. Lawyers need to _____ even the most minor provisions of the law.
v. to learn something carefully so that you will remember it exactly
17. The _____ learning style focuses on physical movement and hands-on activities.
adj. relating to the sense of movement or muscle tension
18. He took me aside and _____ in my ear.
v. to speak very quietly to somebody using the breath rather than the voice so that only those close to you can hear you
19. The patient was diagnosed with a _____ disorder affecting their motor skills.
adj. of or relating to the science of neurology or the nervous system
20. The inferior temporal _____ is involved in object recognition.
n. a convolution of the surface of the brain
21. We had to _____ a tent using a tarp and sticks since we didn't have a proper one.
v. to create or perform something on the spot, without preparation or planning; to use what one has available to do or create something
22. The museum has a vast collection of Greek _____.
n. a person-made object, especially one of historical or cultural interest

ANSWERS: 15. interplay, 16. memorize, 17. kinesthetic, 18. whispered, 19. neurological, 20. gyrus, 21. improvise, 22. artifacts

23. The _____ gene mutation can cause genetic disorders such as sickle cell disease.
- n.* a protein-based molecule found in red blood cells that transports oxygen throughout the body
24. The composer marked the score with _____ indications to guide the musicians.
- n.* a device used by musicians to mark time by means of regularly recurring ticks or sounds at an adjustable tempo
25. He created a beautiful piece of music using only _____.
- n.* the act of making something up on the spot or creating or performing something without preparation
26. Our university is famous for its professors, who are well-versed in behavioral _____.
- n.* the scientific study of the function, structure, and disorder of the brain and the nervous system
27. 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
28. Scientists are constantly searching for signs of _____ life in the universe.
- adj.* relating to or existing outside of the Earth's atmosphere or planetary boundaries; pertaining to beings or phenomena that originate from beyond the Earth

ANSWERS: 23. hemoglobin, 24. metronome, 25. improvisation, 26. neuroscience, 27. dissociation, 28. extraterrestrial

29. The lungs are divided into five _____.
- n.* a rounded projection or division, especially of the brain, lung, or liver
30. Two birds were _____ overhead.
- v.* to stay in one place in the air
31. It takes time for your body to _____ to a new environment.
- v.* to adapt or adjust to a new climate, environment, or situation, often by undergoing a period of exposure or learning
32. He needed to _____ with structural reforms to improve the company's revenue.
- v.* to make a strenuous effort to solve a problem; to engage in a close fight or conflict without weapons
33. The _____ side of the knee is prone to injury in certain sports like soccer and basketball.
- adj.* referencing or situated in the middle of something; pertaining to or located near the axis of the body
34. I looked at the painting in _____.
- n.* the state of being intensely interested in someone or something, or a powerful attraction
35. An injury to the _____ can cause difficulty with walking, speaking, and maintaining posture.
- n.* the part of the brain at the back of the head that plays an important role in motor control, balance, and coordination
36. I need to _____ all of my notes into a manageable summary for my presentation.
- v.* to reduce the volume or size of something, often by removing water or other liquid; to make something shorter, more concise, or more concentrated

ANSWERS: 29. lobes, 30. hovering, 31. acclimate, 32. grapple, 33. medial, 34. fascination, 35. cerebellum, 36. condense

37. The city's art scene has been _____ recently, with new galleries and exhibitions popping up regularly.
- v.* to grow or develop rapidly, especially in a healthy or vigorous way
38. The magic tricks _____ the children.
- v.* to attract and hold the attention of someone deeply and irresistibly
39. I heard someone _____ on the door, and when I opened it, no one was there.
- v.* to strike or hit heavily or repeatedly, often with a dull, resonating sound; to pound or beat forcefully
40. The Ottoman Empire _____ for over five centuries.
- v.* to grow or develop vigorously or successfully
41. The _____ of the matter was that the company was not financially stable.
- n.* the most important or fundamental part of a matter or situation; the key point or central issue
42. The new software program was designed to increase productivity by promoting employee _____.
- n.* the interaction of elements that, when combined, produce a total effect that is greater than the sum of the individual elements
43. The _____ bodies in the night sky were beautiful to behold.
- adj.* relating to the sky or the heavens; of or like the sky or the heavens
44. The electrical cord _____ combusted.
- adv.* in a way that is natural, not planned or forced, and often sudden

ANSWERS: 37. burgeoning, 38. fascinated, 39. thump, 40. flourished, 41. crux, 42. synergy, 43. celestial, 44. spontaneously

45. She tried to _____ out the gum that she had been chewing.
v. to eject saliva or other liquid from the mouth
46. _____ recombination is a process that can occur during DNA repair.
adj. having the same or similar structure, position, or function, particularly in different species or organisms; related by common ancestry
47. The _____ robes were made of rich red silk.
n. a high-ranking official in the Roman Catholic Church, appointed by the Pope; a deep or bright red color; a bird of the finch family with a distinctive crest on its head; (adjective) of or relating to the highest or most important things
48. The doctor used a blood pressure _____ to measure my vitals.
n. a band or strip of material, usually worn around the wrist or ankle, often used to secure or fasten something in place; a blow or hit delivered with an open hand, typically to the head or ear
49. The _____ palace was a grand and imposing structure.
adj. relating to the pope (= the head of the Roman Catholic Church) or the Roman Catholic Church
50. The _____ of expenses from revenue resulted in a net profit for the company.
n. the process or action of removing one number from another; the mathematical operation of finding the difference between two numbers or quantities
51. The poem had a consistent _____ scheme throughout.
n. a word or phrase that has the same last sound as another word or phrase, often used in poetry and songwriting

ANSWERS: 45. spit, 46. Homologous, 47. cardinal's, 48. cuff, 49. papal, 50. subtraction, 51. rhyme

52. Companies developing self-driving cars consistently _____ the emerging technologies.

v. to introduce new methods, ideas, or products

53. The final result was nothing short of _____.

v. to surprise or shock someone with wonder very much

ANSWERS: 52. innovate, 53. astounding