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Indre Viskontas: How music makes me a better neuroscientist | TED Talk

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

Advanced Words Only

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Session 1: Word List

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**.

amusia

n. a neurological condition characterized by the inability to perceive or produce music, often due to damage or dysfunction in the brain regions responsible for processing musical stimuli

synonym: tone-deafness, musical anhedonia

(1) rhythm **amusia**, (2) congenital **amusia**

The patient's **amusia** made it difficult for him to distinguish between different musical notes.

baffle

v. to bewilder or perplex someone completely and to be unable to understand or explain something

synonym: perplex, astound, hinder

(1) **baffle** his plan, (2) **baffle** outside noises

The paradox **baffled** most philosophers.

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.

debatable

adj. open to discussion or argument; capable of being disputed or doubted

synonym : questionable, uncertain, open to discussion

(1) the validity of the theory is **debatable**, (2) **debatable** topic

Whether or not extraterrestrial life exists is still **debatable** among scientists.

anesthesiologist

n. a medical doctor who specializes in administering anesthesia to help control pain and monitor the vital signs of patients during procedures and surgeries

synonym : anesthetist, pain specialist, sedationist

(1) specialized **anesthesiologist**, (2) clinical **anesthesiologist**

The experienced **anesthesiologist** monitored the patient's vital signs throughout the procedure.

gastroenterology

n. the branch of medicine that deals with the structure, function, diagnosis, and treatment of the digestive system and its diseases

synonym : gastrology, digestive medicine, enterology

(1) **gastroenterology** clinic, (2) **gastroenterology** research

The doctor specializes in **gastroenterology** and treats patients with digestive disorders.

orthopedic

adj. relating to the branch of medicine concerned with the correction or prevention of deformities, disorders, or injuries of the skeletal system and associated muscles, joints, and ligaments

synonym : skeletal, musculoskeletal, bone-related

(1) **orthopedic** shoes, (2) **orthopedic** clinic

The athlete visited the **orthopedic** surgeon to have her injured knee examined and treated.

ophthalmology

n. the branch of medicine that deals with the anatomy, physiology, and diseases of the eye

synonym: eye care, optometry, eye medicine

(1) **ophthalmology** practice, (2) **ophthalmology** clinic

My grandfather had a problem with his eyes and went to an **ophthalmology** specialist.

thanksgiving

n. an annual holiday celebrated primarily in the United States and Canada, typically observed on the fourth Thursday in November in the U.S. and on the second Monday in October in Canada, that commemorates the giving of thanks for the blessings of the previous year

synonym: gratitude, appreciation, recognition

(1) **thanksgiving** traditions, (2) **thanksgiving** parade

My family gathers together every year for **thanksgiving** dinner.

dismay

n. a feeling of discouragement, distress, or anxiety caused by something unexpected or unwelcome; a sudden loss of courage or confidence

synonym: distress, discouragement, consternation

(1) flop down in **dismay**, (2) feel **dismay**

The employees expressed their **dismay** at the sudden announcement of massive layoffs.

locomotive

n. a powered rail vehicle used for pulling trains or railway cars; an engine that produces the necessary power for the train to move on the tracks

synonym: train, engine, motor

(1) **locomotive** engine, (2) diesel **locomotive**

The powerful **locomotive** chugged along the tracks, hauling a long line of freight cars.

hopeless

adj. having no hope; despairing; having no chance of success

synonym: despairing, helpless, futile

(1) **hopeless** situation, (2) **hopeless** at everything

After months of job searching, he felt **hopeless** and unsure of his future.

undervalue

v. to assign too low a value to something

synonym: underrate, underestimate, devalue

(1) **undervalue** his contribution, (2) **undervalue** the potential

He **undervalued** the importance of teamwork and struggled to succeed.

devour

v. to eat or consume something eagerly or ravenously; or to destroy something rapidly

synonym: consume, swallow, destroy

(1) **devour** a meal, (2) **devour** my way

She **devoured** the mystery novel in one sitting.

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.

elusive

adj. difficult to find, define, achieve, or remember

synonym: mysterious, ambiguous, inapproachable

(1) an **elusive** criminal, (2) track down an **elusive** fact

The physicist who found the **elusive** particle won the Nobel Prize.

anatomical

adj. of or relating to the structure of the body and its parts
synonym : physical, bodily, structural

(1) **anatomical** structure, (2) **anatomical** elements

The **anatomical** model of the human body was used to teach medical students.

larynx

n. an organ in the top of the throat involved in breathing, producing sound

(1) irritate the **larynx**, (2) narrowing of the **larynx**

Smoking significantly increases the risk of **larynx** cancer.

diaphragm

n. a large, dome-shaped muscle located at the bottom of the chest cavity, essential for breathing and separating the chest and abdomen; a shallow, dome-shaped device with a flexible rim that is inserted into the vagina to cover the cervix and prevent sperm from reaching the uterus, serving as a method of birth control

synonym : midriff, pessary, shield

(1) **diaphragm** birth control, (2) **diaphragm** activity

Individuals with a weak **diaphragm** may experience difficulty breathing during physical activity.

elapse

v. to pass or go by, especially about time; to slip away unnoticed

synonym : pass, proceed, advance

(1) much time had **elapsed**, (2) **elapse** from the announced start time

Five minutes have **elapsed** since we began the experiment.

moodiness

n. a tendency to experience mood swings or to be easily affected by changes in mood

synonym : emotional instability, irritability, temperament

(1) control your **moodiness**, (2) **moodiness** during puberty

His **moodiness** made it difficult for his coworkers to predict how he would react to things.

irritable

adj. easily or frequently agitated, annoyed, or angered; prone to becoming tense or angry in response to minor stimuli or events

synonym : cranky, grumpy, touchy

(1) **irritable** bowel syndrome, (2) **irritable** mood

Lack of sleep can make me **irritable** and easily annoyed.

irrational

adj. not based on, or not using reason or clear thinking; (mathematics) a real number that cannot be expressed as the ratio of two integers

synonym : illogical, ludicrous, senseless

(1) an **irrational** request, (2) **irrational** numbers

They continued to endure **irrational** treatment by the dictatorship.

martini

n. a cocktail made with gin and vermouth typically garnished with an olive or a twist of lemon peel

(1) **martini** glass, (2) shaken **martini**

I ordered a dirty **martini** with extra olives at the bar.

loathe

v. to feel strong hatred or disgust for someone or something; to be unwilling or reluctant to do something

synonym : despise, hate, abominate

(1) **loathe** violence, (2) **loathe** broccoli

I absolutely **loathe** spiders and can't stand to be near them.

dedicate

v. to give all of your energy, time, etc., entirely to a specific person, activity, or cause; to set apart for a particular purpose or use

synonym : consecrate, devote, commit

(1) **dedicate** a few hours, (2) **dedicate** a chapter to the subject

He **dedicated** his life to helping others.

apprentice

n. a person who works for and learns from a skilled employer to become a skilled worker themselves

synonym : learner, trainee, protégé

(1) **apprentice** carpenter, (2) a young **apprentice**
He took on an **apprentice** to teach him the trade.

gnaw

v. to bite or chew on something persistently or nervously;
to wear away at something gradually

synonym: chew, bite, annoy

(1) **gnaw** a hole in a wall, (2) **gnaw** at the national sentiment
She couldn't stop **gnawing** on her nails.

trickle

v. to flow or drip slowly and in small amounts; to happen or
occur gradually or in small quantities

synonym: dribble, flow, seep

(1) **trickle** down my cheek, (2) **trickle** from his eyes
Water was beginning to **trickle** into the basement after the
heavy rain.

interleave

v. to insert or alternate layers of one thing between two or
more layers of another thing, particularly in a patterned
or systematic way, such as in computer memory or
documents

synonym: interlace, interweave, intersperse

(1) **interleave** pages, (2) **interleave** yarns
To create a sturdy fabric, the weavers must **interleave** the
threads.

guinea

n. a former British gold coin worth 21 shillings or a unit of
currency used in some West African countries; (Guinea)
a republic in western Africa on the Atlantic

synonym: coin, money, currency

(1) **guinea** coins, (2) **guinea** pig
The cost of the antique vase is three **guineas**.

conservatory

n. a place where plants are grown and cultivated, often for
scientific or educational purposes; a school or institution
that provides training in music, dance, or other
performing arts

synonym: greenhouse, nursery, school

(1) **conservatory** of music, (2) **conservatory** plant
The **conservatory** program offered advanced training in acting and theater production.

deem

v. to consider or decide something in a particular way
synonym: believe, consider, suppose

(1) **deem** socially responsible, (2) **deem** wrong or inappropriate

Regarding earthquakes, some commercial buildings were **deemed** unsafe.

devastate

v. to wreck a place or an area or cause significant damage
synonym: demolish, destroy, crush

(1) **devastate** an area, (2) **devastate** the economy

Earthquakes can also trigger tsunamis, which **devastate** coastal areas.

rehearsal

n. a practice session, usually for a performance or presentation, during which people prepare and fine-tune their performance, often with the help of feedback from others; the act of rehearsing

synonym: practice, run-through, drill

(1) dress **rehearsal**, (2) music **rehearsal**

The theater company had its final **rehearsal** before opening night.

collide

v. to hit something violently when moving

synonym: clash, slam, contradict

(1) **collide** head-on, (2) **collide** in midair

The interests of the two countries **collide**.

nutshell

n. the hard, outer covering or protective casing that encloses the kernel or fruit of certain types of nuts, such as walnuts or acorns; a concise and condensed summary or explanation of something

synonym: summary, essence, covering

(1) move into a **nutshell**, (2) **nutshell** version
Can you explain your argument in a **nutshell**?

chaotic

adj. without any order or organization; extremely disorganized, unpredictable, and confusing
synonym : disorderly, cluttered, topsy-turvy

(1) the **chaotic** economic situation, (2) **chaotic** theory
Change is also occurring in Turkey as a result of **chaotic** reform.

anthropomorphize

v. to attribute human characteristics, emotions, and abilities to non-human entities
synonym : personify, humanize

(1) **anthropomorphize** animals, (2) **anthropomorphize** God
The children **anthropomorphized** their stuffed animals and gave them personalities.

trait

n. a particular feature of your nature
synonym : attribute, feature, quality

(1) chemical **trait**, (2) personality **traits**
Multiple genes may influence behavioral **traits** concurrently.

obsession

n. the state in which a person's mind is filled with thoughts of one single object or particular person
synonym : compulsion, fixation, enthusiasm

(1) **obsession** with character, (2) national **obsession**
Gambling became an **obsession** for him, and he eventually lost everything.

riot

n. a violent disturbance of the peace by a crowd, characterized by destruction of property, looting, arson, and attacks on individuals
synonym : disturbance, unrest, upheaval

(1) **riot** police, (2) **riot** control gas
The **riots** in the city have left many buildings damaged and

several people injured.

topple

v. to cause to lose balance and fall over, especially by pushing

synonym: overturn, capsize, upset

(1) **topple** communist rule, (2) **topple** off a ledge

The statue was old and unstable, so it easily **toppled** over.

awash

adj. flooded or overflowing with water, typically suddenly or unexpectedly; abundant or prevalent to the extent of being overwhelming or excessive

synonym: flooded, inundated, immersed

(1) **awash** with cash, (2) **awash** in debt

The beach was **awash** with seaweed after the storm.

neurotransmitter

n. a chemical that carries nerve impulses between neurons or between neurons and muscles

(1) **neurotransmitter** receptor, (2) **neurotransmitters** released from the brain

Endorphins are a type of **neurotransmitter** that gives a sense of well-being.

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.

undersell

v. to sell something at a lower price than it is worth or than someone else is selling it for; to downplay or diminish the value or importance of something to make it appear less impressive or desirable

synonym: downplay, undercut, devalue

(1) **undersell** the value, (2) **undersell** their abilities

The store always tries to **undersell** its competitors to attract more customers.

salience

n. the quality of being prominent, significant, or relevant; the degree to which something stands out or is noticeable

synonym : prominence, importance, significance

(1) the **salience** of the topic, (2) emotional **salience**

The **salience** of the issue was highlighted in the national news.

nauseate

v. to cause feelings of nausea or sickness; to feel sick or queasy; to cause repugnance or disgust

synonym : queasy, sicken, disgust

(1) **nauseate** my stomach, (2) make me **nauseate**

The roller coaster ride was so intense that it **nauseated** some passengers.

self-doubt

n. lack of confidence in one's abilities or oneself

synonym : insecurity, uncertainty, diffident

(1) overcome **self-doubt**, (2) spiral of **self-doubt**

I was filled with **self-doubt**.

coffin

n. a box or container used to bury a dead body; a case or structure resembling a coffin

synonym : casket, box, chest

(1) **coffin** lid, (2) wooden **coffin**

The priest prayed over the **coffin** before it was lowered into the ground.

climax

n. the most intense or exciting moment of an event or experience; the point of highest dramatic tension or emotional intensity in a story, plot, or performance

synonym : finale, pinnacle, apex

(1) emotional **climax**, (2) reach a **climax**

The **climax** of the movie had everyone on the edge of their seats.

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.

caudate

adj. shaped like a tail; relating to or situated in the tail or posterior part

synonym: long-tailed, tapering

(1) **caudate** branches, (2) **caudate** lobe

The **caudate** nucleus is responsible for motor and emotional functions in the brain.

accumbens

n. (nucleus accumbens) an area of the brain located in the basal forebrain that has a significant role in the cognitive processing of motivation, aversion, reward

(1) nucleus **accumbens** neurons, (2) cells of the nucleus **accumbens**

Dopamine is released into the nucleus **accumbens**.

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.

stimming

n. a behavior often exhibited by individuals on the autism spectrum characterized by repetitive bodily movements or sounds, such as hand flapping or rocking, often used as a form of self-regulation or sensory stimulation

synonym: self-stimulation, repetitive behaviors

(1) autistic **stimming**, (2) **stimming** therapy

Autistic children may engage in **stimming** behaviors, such as rocking or hand flapping, to self-regulate.

starve

v. to suffer or die from lack of food; to cause someone or something to suffer or die from lack of food; to deprive something of necessary nourishment or sustenance

synonym : famish, hunger

(1) **starve** for a victory, (2) **starve** to death

If you don't eat soon, you're going to **starve**.

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.

parisian

adj. of or from Paris, France; characteristic of Paris or its inhabitants

(1) **Parisian** celebrity, (2) **parisian** accent

The **Parisian** café had a charming atmosphere.

courtesan

n. a woman who is kept or supported in exchange for sexual services or companionship; a high-class prostitute or mistress

synonym : prostitute, paramour, escort

(1) the life of a **courtesan**, (2) high-class **courtesan**

The movie was about the life of a famous **courtesan** in 18th-century France.

prostitute

n. a person, typically a woman, who engages in sexual activity in exchange for payment

synonym : hooker, harlot, whore

(1) **prostitute** street, (2) a male **prostitute**

She turned to **prostitute** to make ends meet.

soprano

n. the highest-pitched voice or vocal range of a female or child singer; a female or child singer with a soprano voice; the highest-pitched member of an instrumental

family, such as a violin or clarinet

synonym : treble

(1) **soprano** singer, (2) dramatic **soprano**

The **soprano's** voice was so beautiful that it brought the audience to tears.

lavish

adj. large in amount and expensive or impressive

synonym : grate, grand, splendid

(1) **lavish** lifestyle, (2) enjoy a **lavish** trip abroad

He has earned **lavish** praise for his achievement.

double-edged

adj. having two sharp edges or sides, especially one that can harm or benefit in equal measure; (of sword or blade) having two cutting edges

synonym : two-sided, ambivalent, ambiguous

(1) a **double-edged** compliment, (2) **double-edged** tool

The **double-edged** sword could be used for both offense and defense.

singe

v. to burn something slightly or superficially, usually by mistake

synonym : sear, char, burn

(1) **singe** off the hair over the flames, (2) **singe** the edges of a fabric

I didn't realize the iron was still hot and **singed** my dress.

Session 2: Spelling

1. shaken ma_____i *n.* a cocktail made with gin and vermouth typically garnished with an olive or a twist of lemon peel
2. tr_____e from his eyes *v.* to flow or drip slowly and in small amounts; to happen or occur gradually or in small quantities
3. overcome sel_____bt *n.* lack of confidence in one's abilities or oneself
4. emotional sa_____ce *n.* the quality of being prominent, significant, or relevant; the degree to which something stands out or is noticeable
5. r__t police *n.* a violent disturbance of the peace by a crowd, characterized by destruction of property, looting, arson, and attacks on individuals
6. di_____gm birth control *n.* a large, dome-shaped muscle located at the bottom of the chest cavity, essential for breathing and separating the chest and abdomen; a shallow, dome-shaped device with a flexible rim that is inserted into the vagina to cover the cervix and prevent sperm from reaching the uterus, serving as a method of birth control
7. ort_____ic shoes *adj.* relating to the branch of medicine concerned with the correction or prevention of deformities, disorders, or injuries of the skeletal system and associated muscles, joints, and ligaments

ANSWERS: 1. martini, 2. trickle, 3. self-doubt, 4. salience, 5. riot, 6. diaphragm, 7. orthopedic

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| 8. congenital am___a | <i>n.</i> a neurological condition characterized by the inability to perceive or produce music, often due to damage or dysfunction in the brain regions responsible for processing musical stimuli |
| 9. la___h lifestyle | <i>adj.</i> large in amount and expensive or impressive |
| 10. d__m socially responsible | <i>v.</i> to consider or decide something in a particular way |
| 11. si__e the edges of a fabric | <i>v.</i> to burn something slightly or superficially, usually by mistake |
| 12. co_____te closely with the quality | <i>v.</i> to have a connection or relationship in which one thing affects or depends on another |
| 13. aw__h in debt | <i>adj.</i> flooded or overflowing with water, typically suddenly or unexpectedly; abundant or prevalent to the extent of being overwhelming or excessive |
| 14. aw__h with cash | <i>adj.</i> flooded or overflowing with water, typically suddenly or unexpectedly; abundant or prevalent to the extent of being overwhelming or excessive |
| 15. na_____te my stomach | <i>v.</i> to cause feelings of nausea or sickness; to feel sick or queasy; to cause repugnance or disgust |
| 16. und_____ue his contribution | <i>v.</i> to assign too low a value to something |
| 17. g__w at the national sentiment | <i>v.</i> to bite or chew on something persistently or nervously; to wear away at something gradually |

ANSWERS: 8. amusia, 9. lavish, 10. deem, 11. singe, 12. correlate, 13. awash, 14. awash, 15. nauseate, 16. undervalue, 17. gnaw

18. di_____gm activity *n.* a large, dome-shaped muscle located at the bottom of the chest cavity, essential for breathing and separating the chest and abdomen; a shallow, dome-shaped device with a flexible rim that is inserted into the vagina to cover the cervix and prevent sperm from reaching the uterus, serving as a method of birth control
19. track down an el_____e fact *adj.* difficult to find, define, achieve, or remember
20. co_____n lid *n.* a box or container used to bury a dead body; a case or structure resembling a coffin
21. g__w a hole in a wall *v.* to bite or chew on something persistently or nervously; to wear away at something gradually
22. st___e to death *v.* to suffer or die from lack of food; to cause someone or something to suffer or die from lack of food; to deprive something of necessary nourishment or sustenance
23. gas_____ogy research *n.* the branch of medicine that deals with the structure, function, diagnosis, and treatment of the digestive system and its diseases
24. d__m wrong or inappropriate *v.* to consider or decide something in a particular way
25. much time had el___ed *v.* to pass or go by, especially about time; to slip away unnoticed
26. irr_____al numbers *adj.* not based on, or not using reason or clear thinking; (mathematics) a real number that cannot be expressed as the ratio of two integers

ANSWERS: 18. diaphragm, 19. elusive, 20. coffin, 21. gnaw, 22. starve, 23. gastroenterology, 24. deem, 25. elapse, 26. irrational

27. me____e allergic reaction *v.* to try to bring about an agreement or understanding between people who are in conflict
28. ba____e outside noises *v.* to bewilder or perplex someone completely and to be unable to understand or explain something
29. neu_____ters released from the brain *n.* a chemical that carries nerve impulses between neurons or between neurons and muscles
30. oph_____ogy clinic *n.* the branch of medicine that deals with the anatomy, physiology, and diseases of the eye
31. ob_____on with character *n.* the state in which a person's mind is filled with thoughts of one single object or particular person
32. clinical ane_____ist *n.* a medical doctor who specializes in administering anesthesia to help control pain and monitor the vital signs of patients during procedures and surgeries
33. make me na____te *v.* to cause feelings of nausea or sickness; to feel sick or queasy; to cause repugnance or disgust
34. Pa____an celebrity *adj.* of or from Paris, France; characteristic of Paris or its inhabitants
35. oph_____ogy practice *n.* the branch of medicine that deals with the anatomy, physiology, and diseases of the eye
36. autistic st____ng *n.* a behavior often exhibited by individuals on the autism spectrum characterized by repetitive bodily movements or sounds, such as hand flapping or rocking, often used as a form of self-regulation or sensory stimulation

ANSWERS: 27. mediate, 28. baffle, 29. neurotransmitter, 30. ophthalmology, 31. obsession, 32. anesthesiologist, 33. nauseate, 34. parisian, 35. ophthalmology, 36. stimming

37. the life of a co_____an *n.* a woman who is kept or supported in exchange for sexual services or companionship; a high-class prostitute or mistress
38. tha_____ing traditions *n.* an annual holiday celebrated primarily in the United States and Canada, typically observed on the fourth Thursday in November in the U.S. and on the second Monday in October in Canada, that commemorates the giving of thanks for the blessings of the previous year
39. irritate the la____x *n.* an organ in the top of the throat involved in breathing, producing sound
40. gu____a coins *n.* a former British gold coin worth 21 shillings or a unit of currency used in some West African countries; (Guinea) a republic in western Africa on the Atlantic
41. the sa_____ce of the topic *n.* the quality of being prominent, significant, or relevant; the degree to which something stands out or is noticeable
42. co_____e head-on *v.* to hit something violently when moving
43. co_____te to the size *v.* to have a connection or relationship in which one thing affects or depends on another
44. an irr_____al request *adj.* not based on, or not using reason or clear thinking; (mathematics) a real number that cannot be expressed as the ratio of two integers

ANSWERS: 37. courtesan, 38. thanksgiving, 39. larynx, 40. guinea, 41. salience, 42. collide, 43. correlate, 44. irrational

45. cells of the nucleus ac_____ns *n.* (nucleus accumbens) an area of the brain located in the basal forebrain that has a significant role in the cognitive processing of motivation, aversion, reward
46. neu_____ter receptor *n.* a chemical that carries nerve impulses between neurons or between neurons and muscles
47. de_____te a chapter to the subject *v.* to give all of your energy, time, etc., entirely to a specific person, activity, or cause; to set apart for a particular purpose or use
48. move into a nu_____ll *n.* the hard, outer covering or protective casing that encloses the kernel or fruit of certain types of nuts, such as walnuts or acorns; a concise and condensed summary or explanation of something
49. de_____r my way *v.* to eat or consume something eagerly or ravenously; or to destroy something rapidly
50. 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
51. el_____e from the announced start time *v.* to pass or go by, especially about time; to slip away unnoticed
52. co_____e in midair *v.* to hit something violently when moving
53. reach a cl_____x *n.* the most intense or exciting moment of an event or experience; the point of highest dramatic tension or emotional intensity in a story, plot, or performance

ANSWERS: 45. accumbens, 46. neurotransmitter, 47. dedicate, 48. nutshell, 49. devour, 50. dopamine, 51. elapse, 52. collide, 53. climax

54. con_____ory of music *n.* a place where plants are grown and cultivated, often for scientific or educational purposes; a school or institution that provides training in music, dance, or other performing arts
55. loc_____ve engine *n.* a powered rail vehicle used for pulling trains or railway cars; an engine that produces the necessary power for the train to move on the tracks
56. und_____ue the potential *v.* to assign too low a value to something
57. gas_____ogy clinic *n.* the branch of medicine that deals with the structure, function, diagnosis, and treatment of the digestive system and its diseases
58. ho_____ss situation *adj.* having no hope; despairing; having no chance of success
59. gu____a pig *n.* a former British gold coin worth 21 shillings or a unit of currency used in some West African countries; (Guinea) a republic in western Africa on the Atlantic
60. ch_____c theory *adj.* without any order or organization; extremely disorganized, unpredictable, and confusing
61. emotional cl____x *n.* the most intense or exciting moment of an event or experience; the point of highest dramatic tension or emotional intensity in a story, plot, or performance
62. de____r a meal *v.* to eat or consume something eagerly or ravenously; or to destroy something rapidly

ANSWERS: 54. conservatory, 55. locomotive, 56. undervalue, 57. gastroenterology, 58. hopeless, 59. guinea, 60. chaotic, 61. climax, 62. devour

63. dress re_____al *n.* a practice session, usually for a performance or presentation, during which people prepare and fine-tune their performance, often with the help of feedback from others; the act of rehearsing
64. feel di___y *n.* a feeling of discouragement, distress, or anxiety caused by something unexpected or unwelcome; a sudden loss of courage or confidence
65. nu_____ll version *n.* the hard, outer covering or protective casing that encloses the kernel or fruit of certain types of nuts, such as walnuts or acorns; a concise and condensed summary or explanation of something
66. national ob_____on *n.* the state in which a person's mind is filled with thoughts of one single object or particular person
67. de_____te a few hours *v.* to give all of your energy, time, etc., entirely to a specific person, activity, or cause; to set apart for a particular purpose or use
68. ir_____le mood *adj.* easily or frequently agitated, annoyed, or angered; prone to becoming tense or angry in response to minor stimuli or events
69. chemical tr__t *n.* a particular feature of your nature
70. to___e off a ledge *v.* to cause to lose balance and fall over, especially by pushing

ANSWERS: 63. rehearsal, 64. dismay, 65. nutshell, 66. obsession, 67. dedicate, 68. irritable, 69. trait, 70. topple

71. flop down in di___y *n.* a feeling of discouragement, distress, or anxiety caused by something unexpected or unwelcome; a sudden loss of courage or confidence
72. de_____te an area *v.* to wreck a place or an area or cause significant damage
73. ana_____al structure *adj.* of or relating to the structure of the body and its parts
74. de_____le topic *adj.* open to discussion or argument; capable of being disputed or doubted
75. ana_____al elements *adj.* of or relating to the structure of the body and its parts
76. a young app_____ce *n.* a person who works for and learns from a skilled employer to become a skilled worker themselves
77. 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
78. con_____ory plant *n.* a place where plants are grown and cultivated, often for scientific or educational purposes; a school or institution that provides training in music, dance, or other performing arts
79. ma_____i glass *n.* a cocktail made with gin and vermouth typically garnished with an olive or a twist of lemon peel
80. tha_____ing parade *n.* an annual holiday celebrated primarily in the United States and Canada, typically observed on the fourth Thursday in November in the U.S. and on the second Monday in October in Canada, that commemorates the giving of thanks for the blessings of the previous year

ANSWERS: 71. dismay, 72. devastate, 73. anatomical, 74. debatable, 75. anatomical, 76. apprentice, 77. dopamine, 78. conservatory, 79. martini, 80. thanksgiving

81. dramatic so____o
82. lo___e violence
83. int_____ve yarns
84. ort_____ic clinic
85. control your mo_____ss
86. an el_____e criminal
87. rhythm am____a
- n.* the highest-pitched voice or vocal range of a female or child singer; a female or child singer with a soprano voice; the highest-pitched member of an instrumental family, such as a violin or clarinet
- v.* to feel strong hatred or disgust for someone or something; to be unwilling or reluctant to do something
- v.* to insert or alternate layers of one thing between two or more layers of another thing, particularly in a patterned or systematic way, such as in computer memory or documents
- adj.* relating to the branch of medicine concerned with the correction or prevention of deformities, disorders, or injuries of the skeletal system and associated muscles, joints, and ligaments
- n.* a tendency to experience mood swings or to be easily affected by changes in mood
- adj.* difficult to find, define, achieve, or remember
- n.* a neurological condition characterized by the inability to perceive or produce music, often due to damage or dysfunction in the brain regions responsible for processing musical stimuli

ANSWERS: 81. soprano, 82. loathe, 83. interleave, 84. orthopedic, 85. moodiness, 86. elusive, 87. amusia

88. mo_____ss during puberty *n.* a tendency to experience mood swings or to be easily affected by changes in mood
89. 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
90. 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
91. un_____ll the value *v.* to sell something at a lower price than it is worth or than someone else is selling it for; to downplay or diminish the value or importance of something to make it appear less impressive or desirable
92. personality tr__ts *n.* a particular feature of your nature
93. the validity of the theory is de_____le *adj.* open to discussion or argument; capable of being disputed or doubted
94. spiral of sel_____bt *n.* lack of confidence in one's abilities or oneself
95. 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
96. wooden co___n *n.* a box or container used to bury a dead body; a case or structure resembling a coffin
97. dou_____ged tool *adj.* having two sharp edges or sides, especially one that can harm or benefit in equal measure; (of sword or blade) having two cutting edges

ANSWERS: 88. moodiness, 89. autobiographical, 90. autobiographical, 91. undersell, 92. trait, 93. debatable, 94. self-doubt, 95. neuron, 96. coffin, 97. double-edged

98. me_____e a negotiation *v.* to try to bring about an agreement or understanding between people who are in conflict
99. pa_____an accent *adj.* of or from Paris, France; characteristic of Paris or its inhabitants
100. in_____fy a good relationship *v.* to increase or make something increase in extent or strength
101. high-class co_____an *n.* a woman who is kept or supported in exchange for sexual services or companionship; a high-class prostitute or mistress
102. so_____o singer *n.* the highest-pitched voice or vocal range of a female or child singer; a female or child singer with a soprano voice; the highest-pitched member of an instrumental family, such as a violin or clarinet
103. de_____te the economy *v.* to wreck a place or an area or cause significant damage
104. app_____ce carpenter *n.* a person who works for and learns from a skilled employer to become a skilled worker themselves
105. st___e for a victory *v.* to suffer or die from lack of food; to cause someone or something to suffer or die from lack of food; to deprive something of necessary nourishment or sustenance
106. diesel loc_____ve *n.* a powered rail vehicle used for pulling trains or railway cars; an engine that produces the necessary power for the train to move on the tracks

ANSWERS: 98. mediate, 99. parisian, 100. intensify, 101. courtesan, 102. soprano, 103. devastate, 104. apprentice, 105. starve, 106. locomotive

107. r__t control gas *n.* a violent disturbance of the peace by a crowd, characterized by destruction of property, looting, arson, and attacks on individuals
108. ca____e branches *adj.* shaped like a tail; relating to or situated in the tail or posterior part
109. ho____ss at everything *adj.* having no hope; despairing; having no chance of success
110. st____ng therapy *n.* a behavior often exhibited by individuals on the autism spectrum characterized by repetitive bodily movements or sounds, such as hand flapping or rocking, often used as a form of self-regulation or sensory stimulation
111. nucleus ac____ns neurons *n.* (nucleus accumbens) an area of the brain located in the basal forebrain that has a significant role in the cognitive processing of motivation, aversion, reward
112. a male pro____te *n.* a person, typically a woman, who engages in sexual activity in exchange for payment
113. si__e off the hair over the flames *v.* to burn something slightly or superficially, usually by mistake
114. pro____te street *n.* a person, typically a woman, who engages in sexual activity in exchange for payment
115. the branch of neu____nce *n.* the scientific study of the function, structure, and disorder of the brain and the nervous system

ANSWERS: 107. riot, 108. caudate, 109. hopeless, 110. stimming, 111. accumbens, 112. prostitute, 113. singe, 114. prostitute, 115. neuroscience

116. a dou_____ged compliment *adj.* having two sharp edges or sides, especially one that can harm or benefit in equal measure; (of sword or blade) having two cutting edges
117. ir_____le bowel syndrome *adj.* easily or frequently agitated, annoyed, or angered; prone to becoming tense or angry in response to minor stimuli or events
118. int_____ve pages *v.* to insert or alternate layers of one thing between two or more layers of another thing, particularly in a patterned or systematic way, such as in computer memory or documents
119. the ch_____c economic situation *adj.* without any order or organization; extremely disorganized, unpredictable, and confusing
120. enjoy a la____h trip abroad *adj.* large in amount and expensive or impressive
121. ant_____ize God *v.* to attribute human characteristics, emotions, and abilities to non-human entities
122. ca_____e lobe *adj.* shaped like a tail; relating to or situated in the tail or posterior part
123. music re_____al *n.* a practice session, usually for a performance or presentation, during which people prepare and fine-tune their performance, often with the help of feedback from others; the act of rehearsing
124. ba____e his plan *v.* to bewilder or perplex someone completely and to be unable to understand or explain something

ANSWERS: 116. double-edged, 117. irritable, 118. interleave, 119. chaotic, 120. lavish, 121. anthropomorphize, 122. caudate, 123. rehearsal, 124. baffle

125. un_____ll their abilities *v.* to sell something at a lower price than it is worth or than someone else is selling it for; to downplay or diminish the value or importance of something to make it appear less impressive or desirable
126. a theoretical concept in
neu_____nce *n.* the scientific study of the function, structure, and disorder of the brain and the nervous system
127. tr_____e down my cheek *v.* to flow or drip slowly and in small amounts; to happen or occur gradually or in small quantities
128. 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
129. lo_____e broccoli *v.* to feel strong hatred or disgust for someone or something; to be unwilling or reluctant to do something
130. ant_____ize animals *v.* to attribute human characteristics, emotions, and abilities to non-human entities
131. in_____fy diplomatic efforts *v.* to increase or make something increase in extent or strength
132. specialized ane_____ist *n.* a medical doctor who specializes in administering anesthesia to help control pain and monitor the vital signs of patients during procedures and surgeries
133. to_____e communist rule *v.* to cause to lose balance and fall over, especially by pushing

ANSWERS: 125. undersell, 126. neuroscience, 127. trickle, 128. neuron, 129. loathe, 130. anthropomorphize, 131. intensify, 132. anesthesiologist, 133. topple

134. narrowing of the la___x

n. an organ in the top of the throat
involved in breathing, producing sound

ANSWERS: 134. larynx

Session 3: Fill in the Blanks

1. 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
2. The _____ café had a charming atmosphere.
adj. of or from Paris, France; characteristic of Paris or its inhabitants
3. The physicist who found the _____ particle won the Nobel Prize.
adj. difficult to find, define, achieve, or remember
4. Five minutes have _____ since we began the experiment.
v. to pass or go by, especially about time; to slip away unnoticed
5. The powerful _____ chugged along the tracks, hauling a long line of freight cars.
n. a powered rail vehicle used for pulling trains or railway cars; an engine that produces the necessary power for the train to move on the tracks
6. Smoking significantly increases the risk of _____ cancer.
n. an organ in the top of the throat involved in breathing, producing sound
7. The priest prayed over the _____ before it was lowered into the ground.
n. a box or container used to bury a dead body; a case or structure resembling a coffin
8. He has earned _____ praise for his achievement.
adj. large in amount and expensive or impressive

ANSWERS: 1. autobiographical, 2. Parisian, 3. elusive, 4. elapsed, 5. locomotive, 6. larynx, 7. coffin, 8. lavish

9. He _____ his life to helping others.

- v.* to give all of your energy, time, etc., entirely to a specific person, activity, or cause; to set apart for a particular purpose or use

10. He _____ the importance of teamwork and struggled to succeed.

- v.* to assign too low a value to something

11. The _____ program offered advanced training in acting and theater production.

- n.* a place where plants are grown and cultivated, often for scientific or educational purposes; a school or institution that provides training in music, dance, or other performing arts

12. The _____ voice was so beautiful that it brought the audience to tears.

- n.* the highest-pitched voice or vocal range of a female or child singer; a female or child singer with a soprano voice; the highest-pitched member of an instrumental family, such as a violin or clarinet

13. She _____ the mystery novel in one sitting.

- v.* to eat or consume something eagerly or ravenously; or to destroy something rapidly

14. The _____ nucleus is responsible for motor and emotional functions in the brain.

- adj.* shaped like a tail; relating to or situated in the tail or posterior part

15. 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: 9. dedicated, 10. undervalued, 11. conservatory, 12. soprano's, 13. devoured, 14. caudate, 15. mediate

16. Lack of sleep can make me _____ and easily annoyed.

adj. easily or frequently agitated, annoyed, or angered; prone to becoming tense or angry in response to minor stimuli or events

17. Multiple genes may influence behavioral _____ concurrently.

n. a particular feature of your nature

18. 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

19. She couldn't stop _____ on her nails.

v. to bite or chew on something persistently or nervously; to wear away at something gradually

20. The statue was old and unstable, so it easily _____ over.

v. to cause to lose balance and fall over, especially by pushing

21. 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

22. He took on an _____ to teach him the trade.

n. a person who works for and learns from a skilled employer to become a skilled worker themselves

23. The cost of the antique vase is three _____.

n. a former British gold coin worth 21 shillings or a unit of currency used in some West African countries; (Guinea) a republic in western Africa on the Atlantic

ANSWERS: 16. irritable, 17. traits, 18. correlate, 19. gnawing, 20. toppled, 21. dopamine, 22. apprentice, 23. guineas

24. Whether or not extraterrestrial life exists is still _____ among scientists.
adj. open to discussion or argument; capable of being disputed or doubted
25. 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
26. The movie was about the life of a famous _____ in 18th-century France.
n. a woman who is kept or supported in exchange for sexual services or companionship; a high-class prostitute or mistress
27. After months of job searching, he felt _____ and unsure of his future.
adj. having no hope; despairing; having no chance of success
28. The paradox _____ most philosophers.
v. to bewilder or perplex someone completely and to be unable to understand or explain something
29. They continued to endure _____ treatment by the dictatorship.
adj. not based on, or not using reason or clear thinking; (mathematics) a real number that cannot be expressed as the ratio of two integers
30. Dopamine is released into the nucleus _____.
n. (nucleus accumbens) an area of the brain located in the basal forebrain that has a significant role in the cognitive processing of motivation, aversion, reward
31. His _____ made it difficult for his coworkers to predict how he would react to things.
n. a tendency to experience mood swings or to be easily affected by changes in mood

ANSWERS: 24. debatable, 25. neuron, 26. courtesan, 27. hopeless, 28. baffled, 29. irrational, 30. accumbens, 31. moodiness

32. The roller coaster ride was so intense that it _____ some passengers.
v. to cause feelings of nausea or sickness; to feel sick or queasy; to cause repugnance or disgust
33. The interests of the two countries _____.
v. to hit something violently when moving
34. Autistic children may engage in _____ behaviors, such as rocking or hand flapping, to self-regulate.
n. a behavior often exhibited by individuals on the autism spectrum characterized by repetitive bodily movements or sounds, such as hand flapping or rocking, often used as a form of self-regulation or sensory stimulation
35. The children _____ their stuffed animals and gave them personalities.
v. to attribute human characteristics, emotions, and abilities to non-human entities
36. 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
37. Change is also occurring in Turkey as a result of _____ reform.
adj. without any order or organization; extremely disorganized, unpredictable, and confusing
38. The _____ model of the human body was used to teach medical students.
adj. of or relating to the structure of the body and its parts
39. She turned to _____ to make ends meet.
n. a person, typically a woman, who engages in sexual activity in exchange for payment

ANSWERS: 32. nauseated, 33. collide, 34. stimming, 35. anthropomorphized, 36. neuroscience, 37. chaotic, 38. anatomical, 39. prostitute

40. Can you explain your argument in a _____
- n.* the hard, outer covering or protective casing that encloses the kernel or fruit of certain types of nuts, such as walnuts or acorns; a concise and condensed summary or explanation of something
41. The patient's _____ made it difficult for him to distinguish between different musical notes.
- n.* a neurological condition characterized by the inability to perceive or produce music, often due to damage or dysfunction in the brain regions responsible for processing musical stimuli
42. Individuals with a weak _____ may experience difficulty breathing during physical activity.
- n.* a large, dome-shaped muscle located at the bottom of the chest cavity, essential for breathing and separating the chest and abdomen; a shallow, dome-shaped device with a flexible rim that is inserted into the vagina to cover the cervix and prevent sperm from reaching the uterus, serving as a method of birth control
43. The _____ of the movie had everyone on the edge of their seats.
- n.* the most intense or exciting moment of an event or experience; the point of highest dramatic tension or emotional intensity in a story, plot, or performance
44. Regarding earthquakes, some commercial buildings were _____ unsafe.
- v.* to consider or decide something in a particular way
45. The store always tries to _____ its competitors to attract more customers.
- v.* to sell something at a lower price than it is worth or than someone else is selling it for; to downplay or diminish the value or importance of something to make it appear less impressive or desirable

ANSWERS: 40. nutshell?, 41. amusia, 42. diaphragm, 43. climax, 44. deemed, 45. undersell

46. The theater company had its final _____ before opening night.
- n.* a practice session, usually for a performance or presentation, during which people prepare and fine-tune their performance, often with the help of feedback from others; the act of rehearsing
47. The _____ of the issue was highlighted in the national news.
- n.* the quality of being prominent, significant, or relevant; the degree to which something stands out or is noticeable
48. If you don't eat soon, you're going to _____.
- v.* to suffer or die from lack of food; to cause someone or something to suffer or die from lack of food; to deprive something of necessary nourishment or sustenance
49. Water was beginning to _____ into the basement after the heavy rain.
- v.* to flow or drip slowly and in small amounts; to happen or occur gradually or in small quantities
50. My grandfather had a problem with his eyes and went to an _____ specialist.
- n.* the branch of medicine that deals with the anatomy, physiology, and diseases of the eye
51. Earthquakes can also trigger tsunamis, which _____ coastal areas.
- v.* to wreck a place or an area or cause significant damage
52. I absolutely _____ spiders and can't stand to be near them.
- v.* to feel strong hatred or disgust for someone or something; to be unwilling or reluctant to do something

ANSWERS: 46. rehearsal, 47. salience, 48. starve, 49. trickle, 50. ophthalmology, 51. devastate, 52. loathe

53. I was filled with _____.

n. lack of confidence in one's abilities or oneself

54. I didn't realize the iron was still hot and _____ my dress.

v. to burn something slightly or superficially, usually by mistake

55. The beach was _____ with seaweed after the storm.

adj. flooded or overflowing with water, typically suddenly or unexpectedly; abundant or prevalent to the extent of being overwhelming or excessive

56. To create a sturdy fabric, the weavers must _____ the threads.

v. to insert or alternate layers of one thing between two or more layers of another thing, particularly in a patterned or systematic way, such as in computer memory or documents

57. The athlete visited the _____ surgeon to have her injured knee examined and treated.

adj. relating to the branch of medicine concerned with the correction or prevention of deformities, disorders, or injuries of the skeletal system and associated muscles, joints, and ligaments

58. Endorphins are a type of _____ that gives a sense of well-being.

n. a chemical that carries nerve impulses between neurons or between neurons and muscles

59. The experienced _____ monitored the patient's vital signs throughout the procedure.

n. a medical doctor who specializes in administering anesthesia to help control pain and monitor the vital signs of patients during procedures and surgeries

ANSWERS: 53. self-doubt, 54. singed, 55. awash, 56. interleave, 57. orthopedic, 58. neurotransmitter, 59. anesthesiologist

60. The doctor specializes in _____ and treats patients with digestive disorders.
- n.* the branch of medicine that deals with the structure, function, diagnosis, and treatment of the digestive system and its diseases
61. The employees expressed their _____ at the sudden announcement of massive layoffs.
- n.* a feeling of discouragement, distress, or anxiety caused by something unexpected or unwelcome; a sudden loss of courage or confidence
62. Gambling became an _____ for him, and he eventually lost everything.
- n.* the state in which a person's mind is filled with thoughts of one single object or particular person
63. I ordered a dirty _____ with extra olives at the bar.
- n.* a cocktail made with gin and vermouth typically garnished with an olive or a twist of lemon peel
64. Rebels have pledged to _____ the armed struggle against the dictatorship.
- v.* to increase or make something increase in extent or strength
65. The _____ sword could be used for both offense and defense.
- adj.* having two sharp edges or sides, especially one that can harm or benefit in equal measure; (of sword or blade) having two cutting edges
66. The _____ in the city have left many buildings damaged and several people injured.
- n.* a violent disturbance of the peace by a crowd, characterized by destruction of property, looting, arson, and attacks on individuals

ANSWERS: 60. gastroenterology, 61. dismay, 62. obsession, 63. martini, 64. intensify, 65. double-edged, 66. riots

67. My family gathers together every year for _____ dinner.

- n.* an annual holiday celebrated primarily in the United States and Canada, typically observed on the fourth Thursday in November in the U.S. and on the second Monday in October in Canada, that commemorates the giving of thanks for the blessings of the previous year

ANSWERS: 67. thanksgiving