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Vocabulary Builder Reference from...

Greg Gage: How to control someone else's arm with your brain | TED Talk
https://www.ted.com/talks/greg_gage_how_to_control_someone_else_s_arm_with_your_brain

All Words

IMPORTANT

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Session 1: Word List

brain

n. the organ inside the head that is responsible for one's movement, thought, memory, and feeling

synonym : intellect, mind, encephalon

(1) basic **brain** function, (2) permanent **brain** damage

X-rays revealed a small tumor in his **brain**.

amazing

adj. extremely surprising, especially in a way that you like or admire

synonym : exceptional, extraordinary, wonderful

(1) **amazing** advances, (2) the most **amazing** feeling

The golfer recorded an **amazing** distance.

complexity

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

synonym : intricacy, sophistication, elaboration

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

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

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.

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**.

equip

v. to provide a person or a place with the things that are needed for a particular purpose or activity

synonym: prepare, furnish, provide

(1) **equip** an army, (2) **equip** our children with some special skills

The construction company **equipped** the building with an earthquake-resistant device.

institutionalize

v. to establish or make something a part of an institution (= a place such as a university, hospital, etc.)

synonym: formalize, establish, regularize

(1) **institutionalize** a system, (2) **institutionalize** customary laws

The new policy aims to **institutionalize** the use of renewable energy sources.

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.

graduate

n. a person who has a first degree from university or college; (verb) to complete the first course of university or college and get a degree

synonym: alumna, alum, grad

(1) **graduate** degree program, (2) honor **graduate**
Many employers hire **graduate** trainees to train as managers.

sham

n. something that is not as good or true as it seems to be and is intended to deceive people; a person who pretends to be something they are not

synonym: bogus, counterfeit, fraudulent

(1) a **sham** battle, (2) turn out to be all **sham**

The data he prepared was completely **sham**.

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.

disorder

n. an untidy state or a lack of organization; a physical condition or illness that causes problems with how a section of the body or brain functions

synonym: chaos, disturbance, disease

(1) the files are in complete **disorder**, (2) people with bipolar **disorder**

The doctor prescribed some medicine for the mental **disorder**.

disease

n. a disorder or illness that affects the body or mind, often characterized by specific symptoms or abnormal functioning of organs or systems

synonym: illness, ailment, affliction

(1) **disease** prevention, (2) **disease** control

The doctor diagnosed him with a rare **disease** that had no known cure.

educate

v. to bring out or develop something, especially information or ideas, from a source

synonym : extract, deduce, derive

(1) **educe** information, (2) **educe** meaning

Through careful analysis, the detective could d **educe** the truth from the witness.

process

n. a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products

synonym : procedure, method, system

(1) **process** improvement, (2) decision-making **process**

The **process** for applying for a visa can be lengthy and complicated.

lab

n. a workplace for the conduct of scientific research; a laboratory

synonym : workshop, laboratory, research chamber

(1) **lab** instrument, (2) medical **lab**

The Prime Minister will pay a courtesy visit to the Nobel laureate's **lab**.

decide

v. to make up someone's mind about something; to come to a conclusion or judgment after considering options

synonym : choose, determine, settle

(1) **decide** a question, (2) **decide** on a course of action

She couldn't **decide** whether to order the pizza or the pasta for dinner.

affordable

adj. not expensive and able to pay

synonym : cheap, reasonable, inexpensive

(1) **affordable** housing, (2) **affordable** solution

The automaker has been providing **affordable** car financing options since last year.

participate

v. to take part in something

synonym : take part, partake, enter

(1) **participate** fully in conversation, (2) **participate** in the program

The majority of students actively **participated** in the college's intramural sports program.

discovery

n. the act or process of finding information, a place, or an object, or learning about something that was previously not known

synonym: finding, uncovering, detection

(1) a scientific **discovery**, (2) the great **discovery** of the century

Her research team made an important **discovery**.

backyard

n. a whole space behind and belonging to a house

synonym: courtyard, garden

(1) play in the **backyard**, (2) **backyard** barbecue

He grows vegetables in his **backyard**.

demonstration

n. a display or show, often of a particular skill or product, intended to convince or persuade others

synonym: manifestation, presentation, show

(1) **demonstration** project, (2) a campus **demonstration**

Thousands of people attended the protest **demonstration** against the proposed policy.

volunteer

n. a person who performs or offers to perform a job or service without being paid for or forced to do

synonym: unpaid worker, draftee, enlistee

(1) seek **volunteers**, (2) my **volunteer** work

The teachers make full use of **volunteer** assistance.

stick

v. to put something, usually a sharp object, into something; to restrict yourself to doing or using one certain thing and not change; (noun) a thin piece of wood or other material

synonym: pierce, adhere, stay

(1) **stick** a key in a lock, (2) fire **stick**

You **stick** a bill in the change machine, and the coins pop out.

roll *v.* to move in a particular direction by turning over and over or from side to side
synonym : spin, swirl, wheel

(1) **roll** a ball, (2) **roll** down his cheeks

He was exhausted and **rolled** into bed as soon as he got home.

sleeve *n.* a part of a garment that covers all or part of an arm
synonym : arm covering, armband

(1) a wide **sleeve**, (2) **sleeve** length

He rolled up his **sleeves** to get ready to work.

electrode *n.* either of two points or ends of a conductor at which electricity enters or leaves an object, substance, or region

(1) platinum **electrodes**, (2) **electrode** corrosion

It is important to place the **electrodes** in the correct position for accurate electro-cardiogram recording.

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.

electrical *adj.* relating to electricity

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

Actuators convert **electrical** pulses into motion.

chemical *adj.* relating to or connected with chemistry;
synonym : chemic, synthetic

(1) toxic **chemicals**, (2) a **chemical** compound

The firm has grown into a large **chemical** manufacturing.

motor

n. a device that converts electricity, fuel, etc. into movement and makes a machine, vehicle, etc. work

synonym: actuator, engine, machine

(1) a **motor** mechanic, (2) DC **motor** control

Energy-efficient **motors** are needed to maximize the cruising distance of electric vehicles.

cortex

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

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

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

corpus

n. a collection of texts or documents, usually used in research or analysis

synonym: collection, body, compilation

(1) **corpus** callous, (2) written **corpus**

The **corpus** of ancient Greek literature includes many famous works.

callosum

n. a large bundle of nerve fibers that connects the two hemispheres of the brain

(1) removal of the corpus **callosum**, (2) corpus **callosum** fiber

The corpus **callosum** is essential for coordinating the functions of the two hemispheres.

spinal

adj. of or relating to the spine (= the long bone in the body's back)

(1) **spinal** injury, (2) brain and **spinal** cord

The surgeon carefully confirmed how to remove the tumor to avoid damaging the **spinal** nerves.

cord

n. a strong, thick, or thin thread or rope; a piece of plastic-coated wire used to transport electricity to a piece of equipment

synonym: wire, cable, string

(1) spinal **cord**, (2) electrical **cord**

Your spinal **cord** is located deep within your body.

discharge

v. to release or let go of something or someone; to dismiss or terminate an employee or member of an organization; to emit or give off a substance or energy

synonym: release, emit, expel

(1) **discharge** water, (2) **discharge** a contract

The hospital will **discharge** the patient as soon as their condition stabilizes.

squeeze

v. to apply pressure from two or more sides; to hold someone or something tightly in your arms, usually with fondness

synonym: compress, crush, clamp

(1) **squeeze** a lemon, (2) **squeeze** a confession

She **squeezed** the toothpaste tube from the middle to get the last bit out.

rumble

v. to make a low, heavy continuous sound

synonym: roar, growl, grumble

(1) **rumble** an order, (2) **rumble** down the dirt track

The thunder **rumbled** in the distance.

app

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

synonym: application, software

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

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

pause

v. to take a short break from talking or doing something before continuing

synonym: halt, break, intermit

(1) **pause** a moment, (2) **pause** for a reaction

The man **paused** before opening the door.

nervous

adj. worried and anxious about something; relating to the nerves

synonym: neural, anxious, uneasy

(1) development of the **nervous** system, (2) get **nervous**
He suffers from **nervous** breakdowns.

innervate

v. to supply an organ or part of the body with nerves; to stimulate action

(1) **innervate** the internal organs, (2) **innervate** a muscle
Several types of nerve fiber **innervate** different sensory receptors on the skin.

stimulate

v. to encourage something to develop or become more active; to stir the feelings or emotions

synonym: excite, provoke, arouse

(1) **stimulate** the economy, (2) **stimulate** the nervous system

The book **stimulated** my imagination.

inject

v. to put a liquid such as a drug or other substance into a person's or an animal's body using a needle and syringe (= small tube)

synonym: shoot, infiltrate, insinuate

(1) **inject** under the skin, (2) **inject** a personal opinion into a debate

Let's try to **inject** a bit of enthusiasm into your performance.

hook

n. a curved device used for suspending, holding, or pulling something, especially one attached to a surface for hanging things on; a sharp curve or crook

synonym: buckle, pin, curve

(1) a hat **hook**, (2) the curved shape of a **hook**

Please hang your towel on a **hook**.

ulna

n. the longer and thinner of the two bones in the forearm, located on the side opposite to the thumb

synonym: radius, bone of the forearm

(1) **ulna** nerve, (2) fractured **ulna**

The **ulna** bone is located in the forearm and is crucial in allowing forearm rotation.

interface

n. (computer science) a program that controls a display for the user and that allows the user to interact with the system; (chemistry) a surface forming a common boundary between two things

synonym: junction, surface, UI

(1) **interface** between gas and liquid, (2) the user **interface**

Detergent weakens the surface tension at the **interface** of two liquids.

weird

adj. extraordinary, unexpected, or difficult to explain

synonym: bizarre, creepy, peculiar

(1) a **weird** dress, (2) the state of being **weird**

My computer has been acting **weird** recently.

relax

v. to become or cause someone to become less active or tense and calmer

synonym: soften, comfort, soothe

(1) **relax** a series of muscles, (2) **relax** at home

The rules were **relaxed** after the new executive arrived.

physiology

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

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

Physiology is the science of how living things work.

revolution

n. a large-scale attempt to overthrow the government of a country, often using violence or war;

synonym: coup, innovation, rebellion

(1) beginning of the industrial **revolution**, (2) a political **revolution**

The **revolution** by the citizen resulted in a redistribution of wealth.

Session 2: Spelling

1. dem_____ion project *n.* a display or show, often of a particular skill or product, intended to convince or persuade others
2. fa_____te the young *v.* to attract and hold the attention of someone deeply and irresistibly
3. the most am_____g feeling *adj.* extremely surprising, especially in a way that you like or admire
4. u__a nerve *n.* the longer and thinner of the two bones in the forearm, located on the side opposite to the thumb
5. st_____te the nervous system *v.* to encourage something to develop or become more active; to stir the feelings or emotions
6. spinal c__d *n.* a strong, thick, or thin thread or rope; a piece of plastic-coated wire used to transport electricity to a piece of equipment
7. aff_____le solution *adj.* not expensive and able to pay
8. killer a_p *n.* (abbreviation for application) software designed to run on smartphones and other mobile devices or inside a web browser on a PC
9. in_____te the internal organs *v.* to supply an organ or part of the body with nerves; to stimulate action
10. sl___e length *n.* a part of a garment that covers all or part of an arm

ANSWERS: 1. demonstration, 2. fascinate, 3. amazing, 4. ulna, 5. stimulate, 6. cord, 7. affordable, 8. app, 9. innervate, 10. sleeve

11. el_____de corrosion *n.* either of two points or ends of a conductor at which electricity enters or leaves an object, substance, or region
12. 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
13. decision-making pr_____s *n.* a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products
14. platinum el_____des *n.* either of two points or ends of a conductor at which electricity enters or leaves an object, substance, or region
15. l_b instrument *n.* a workplace for the conduct of scientific research; a laboratory
16. re__x a series of muscles *v.* to become or cause someone to become less active or tense and calmer
17. 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
18. par_____te in the program *v.* to take part in something
19. the state of being we__d *adj.* extraordinary, unexpected, or difficult to explain

ANSWERS: 11. electrode, 12. dedicate, 13. process, 14. electrode, 15. lab, 16. relax, 17. dedicate, 18. participate, 19. weird

20. in_____te a muscle *v.* to supply an organ or part of the body with nerves; to stimulate action
21. pa__e a moment *v.* to take a short break from talking or doing something before continuing
22. electrical c__d *n.* a strong, thick, or thin thread or rope; a piece of plastic-coated wire used to transport electricity to a piece of equipment
23. the great di_____ry of the century *n.* the act or process of finding information, a place, or an object, or learning about something that was previously not known
24. basic br__n function *n.* the organ inside the head that is responsible for one's movement, thought, memory, and feeling
25. cannot log in to the a_p *n.* (abbreviation for application) software designed to run on smartphones and other mobile devices or inside a web browser on a PC
26. the user in_____ce *n.* (computer science) a program that controls a display for the user and that allows the user to interact with the system; (chemistry) a surface forming a common boundary between two things
27. de___e on a course of action *v.* to make up someone's mind about something; to come to a conclusion or judgment after considering options
28. 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

ANSWERS: 20. innervate, 21. pause, 22. cord, 23. discovery, 24. brain, 25. app, 26. interface, 27. decide, 28. neuron

29. par_____te fully in conversation *v.* to take part in something
30. fire st__k *v.* to put something, usually a sharp object, into something; to restrict yourself to doing or using one certain thing and not change; (noun) a thin piece of wood or other material
31. di_____ge a contract *v.* to release or let go of something or someone; to dismiss or terminate an employee or member of an organization; to emit or give off a substance or energy
32. a ch_____al compound *adj.* relating to or connected with chemistry;
33. removal of the corpus ca_____um *n.* a large bundle of nerve fibers that connects the two hemispheres of the brain
34. ba_____rd barbecue *n.* a whole space behind and belonging to a house
35. st_____te the economy *v.* to encourage something to develop or become more active; to stir the feelings or emotions
36. a campus dem_____ion *n.* a display or show, often of a particular skill or product, intended to convince or persuade others
37. 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
38. play in the ba_____rd *n.* a whole space behind and belonging to a house

ANSWERS: 29. participate, 30. stick, 31. discharge, 32. chemical, 33. callosum, 34. backyard, 35. stimulate, 36. demonstration, 37. neuron, 38. backyard

39. neu_____cal symptoms *adj.* of or relating to the science of neurology or the nervous system
40. in_____ce between gas and liquid *n.* (computer science) a program that controls a display for the user and that allows the user to interact with the system; (chemistry) a surface forming a common boundary between two things
41. ed__e information *v.* to bring out or develop something, especially information or ideas, from a source
42. DC mo__r control *n.* a device that converts electricity, fuel, etc. into movement and makes a machine, vehicle, etc. work
43. human phy_____gy *n.* the branch of the biological sciences dealing with the functioning of organisms
44. the files are in complete di_____er *n.* an untidy state or a lack of organization; a physical condition or illness that causes problems with how a section of the body or brain functions
45. in___t under the skin *v.* to put a liquid such as a drug or other substance into a person's or an animal's body using a needle and syringe (= small tube)
46. corpus ca_____um fiber *n.* a large bundle of nerve fibers that connects the two hemispheres of the brain
47. fractured u__a *n.* the longer and thinner of the two bones in the forearm, located on the side opposite to the thumb

ANSWERS: 39. neurological, 40. interface, 41. educe, 42. motor, 43. physiology, 44. disorder, 45. inject, 46. callosum, 47. ulna

48. ed__e meaning *v.* to bring out or develop something, especially information or ideas, from a source
49. re__x at home *v.* to become or cause someone to become less active or tense and calmer
50. pr____s improvement *n.* a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products
51. sp___l injury *adj.* of or relating to the spine (= the long bone in the body's back)
52. gr____te degree program *n.* a person who has a first degree from university or college; (verb) to complete the first course of university or college and get a degree
53. a wide sl___e *n.* a part of a garment that covers all or part of an arm
54. r__l down his cheeks *v.* to move in a particular direction by turning over and over or from side to side
55. ins_____ize customary laws *v.* to establish or make something a part of an institution (= a place such as a university, hospital, etc.)
56. fever with neu_____cal signs *adj.* of or relating to the science of neurology or the nervous system

ANSWERS: 48. educate, 49. relax, 50. process, 51. spinal, 52. graduate, 53. sleeve, 54. roll, 55. institutionalize, 56. neurological

57. visual co___x neuron *n.* the outermost layer of an organ, especially the brain
58. eq__p an army *v.* to provide a person or a place with the things that are needed for a particular purpose or activity
59. a political rev_____on *n.* a large-scale attempt to overthrow the government of a country, often using violence or war;
60. sq_____e a lemon *v.* to apply pressure from two or more sides; to hold someone or something tightly in your arms, usually with fondness
61. brain and sp___l cord *adj.* of or relating to the spine (= the long bone in the body's back)
62. degree in ele_____al engineering *adj.* relating to electricity
63. ins_____ize a system *v.* to establish or make something a part of an institution (= a place such as a university, hospital, etc.)
64. an ele_____al storm *adj.* relating to electricity
65. cognitive com_____ty *n.* the state or quality of being complicated or intricate and difficult to understand
66. am_____g advances *adj.* extremely surprising, especially in a way that you like or admire
67. di_____e prevention *n.* a disorder or illness that affects the body or mind, often characterized by specific symptoms or abnormal functioning of organs or systems
68. com_____ty theory *n.* the state or quality of being complicated or intricate and difficult to understand

ANSWERS: 57. cortex, 58. equip, 59. revolution, 60. squeeze, 61. spinal, 62. electrical, 63. institutionalize, 64. electrical, 65. complexity, 66. amazing, 67. disease, 68. complexity

69. de___e a question *v.* to make up someone's mind about something; to come to a conclusion or judgment after considering options
70. beginning of the industrial rev_____on *n.* a large-scale attempt to overthrow the government of a country, often using violence or war;
71. r__l a ball *v.* to move in a particular direction by turning over and over or from side to side
72. medical l_b *n.* a workplace for the conduct of scientific research; a laboratory
73. ru___e an order *v.* to make a low, heavy continuous sound
74. phy_____gy research *n.* the branch of the biological sciences dealing with the functioning of organisms
75. the branch of neu_____nce *n.* the scientific study of the function, structure, and disorder of the brain and the nervous system
76. my vo_____er work *n.* a person who performs or offers to perform a job or service without being paid for or forced to do
77. sq_____e a confession *v.* to apply pressure from two or more sides; to hold someone or something tightly in your arms, usually with fondness
78. di_____e control *n.* a disorder or illness that affects the body or mind, often characterized by specific symptoms or abnormal functioning of organs or systems

ANSWERS: 69. decide, 70. revolution, 71. roll, 72. lab, 73. rumble, 74. physiology, 75. neuroscience, 76. volunteer, 77. squeeze, 78. disease

79. a hat h__k *n.* a curved device used for suspending, holding, or pulling something, especially one attached to a surface for hanging things on; a sharp curve or crook
80. co___x cells *n.* the outermost layer of an organ, especially the brain
81. co___s callous *n.* a collection of texts or documents, usually used in research or analysis
82. people with bipolar di_____er *n.* an untidy state or a lack of organization; a physical condition or illness that causes problems with how a section of the body or brain functions
83. aff_____le housing *adj.* not expensive and able to pay
84. turn out to be all s__m *n.* something that is not as good or true as it seems to be and is intended to deceive people; a person who pretends to be something they are not
85. development of the ne_____s system *adj.* worried and anxious about something; relating to the nerves
86. a we__d dress *adj.* extraordinary, unexpected, or difficult to explain
87. a scientific di_____ry *n.* the act or process of finding information, a place, or an object, or learning about something that was previously not known
88. the curved shape of a h__k *n.* a curved device used for suspending, holding, or pulling something, especially one attached to a surface for hanging things on; a sharp curve or crook

ANSWERS: 79. hook, 80. cortex, 81. corpus, 82. disorder, 83. affordable, 84. sham, 85. nervous, 86. weird, 87. discovery, 88. hook

89. get ne____s *adj.* worried and anxious about something; relating to the nerves
90. in___t a personal opinion into a debate *v.* to put a liquid such as a drug or other substance into a person's or an animal's body using a needle and syringe (= small tube)
91. seek vo_____ers *n.* a person who performs or offers to perform a job or service without being paid for or forced to do
92. a mo__r mechanic *n.* a device that converts electricity, fuel, etc. into movement and makes a machine, vehicle, etc. work
93. st__k a key in a lock *v.* to put something, usually a sharp object, into something; to restrict yourself to doing or using one certain thing and not change; (noun) a thin piece of wood or other material
94. written co____s *n.* a collection of texts or documents, usually used in research or analysis
95. toxic ch_____als *adj.* relating to or connected with chemistry;
96. ru___e down the dirt track *v.* to make a low, heavy continuous sound
97. pa__e for a reaction *v.* to take a short break from talking or doing something before continuing
98. fa_____te the public *v.* to attract and hold the attention of someone deeply and irresistibly
99. a s__m battle *n.* something that is not as good or true as it seems to be and is intended to deceive people; a person who pretends to be something they are not

ANSWERS: 89. nervous, 90. inject, 91. volunteer, 92. motor, 93. stick, 94. corpus, 95. chemical, 96. rumble, 97. pause, 98. fascinate, 99. sham

100. a theoretical concept in
neu_____nce
101. eq__p our children with some
special skills
102. di_____ge water
103. permanent br__n damage
104. honor gr_____te
- n.* the scientific study of the function, structure, and disorder of the brain and the nervous system
- v.* to provide a person or a place with the things that are needed for a particular purpose or activity
- v.* to release or let go of something or someone; to dismiss or terminate an employee or member of an organization; to emit or give off a substance or energy
- n.* the organ inside the head that is responsible for one's movement, thought, memory, and feeling
- n.* a person who has a first degree from university or college; (verb) to complete the first course of university or college and get a degree

ANSWERS: 100. neuroscience, 101. equip, 102. discharge, 103. brain, 104. graduate

Session 3: Fill in the Blanks

1. He suffers from _____ breakdowns.
adj. worried and anxious about something; relating to the nerves
2. The doctor prescribed some medicine for the mental _____.
n. an untidy state or a lack of organization; a physical condition or illness that causes problems with how a section of the body or brain functions
3. The _____ bone is located in the forearm and is crucial in allowing forearm rotation.
n. the longer and thinner of the two bones in the forearm, located on the side opposite to the thumb
4. He grows vegetables in his _____.
n. a whole space behind and belonging to a house
5. Thousands of people attended the protest _____ against the proposed policy.
n. a display or show, often of a particular skill or product, intended to convince or persuade others
6. Through careful analysis, the detective could d_____ the truth from the witness.
v. to bring out or develop something, especially information or ideas, from a source
7. The _____ for applying for a visa can be lengthy and complicated.
n. a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products

ANSWERS: 1. nervous, 2. disorder, 3. ulna, 4. backyard, 5. demonstration, 6. educe, 7. process

8. The firm has grown into a large _____ manufacturing.
adj. relating to or connected with chemistry;
9. Actuators convert _____ pulses into motion.
adj. relating to electricity
10. Let's try to _____ a bit of enthusiasm into your performance.
v. to put a liquid such as a drug or other substance into a person's or an animal's body using a needle and syringe (= small tube)
11. The cerebral _____ consists of six layers.
n. the outermost layer of an organ, especially the brain
12. Detergent weakens the surface tension at the _____ of two liquids.
n. (computer science) a program that controls a display for the user and that allows the user to interact with the system; (chemistry) a surface forming a common boundary between two things
13. The discovery of a critical bug caused the company to delay the _____ release.
n. (abbreviation for application) software designed to run on smartphones and other mobile devices or inside a web browser on a PC
14. The _____ by the citizen resulted in a redistribution of wealth.
n. a large-scale attempt to overthrow the government of a country, often using violence or war;
15. The majority of students actively _____ in the college's intramural sports program.
v. to take part in something

ANSWERS: 8. chemical, 9. electrical, 10. inject, 11. cortex, 12. interface, 13. app's, 14. revolution, 15. participated

16. The hospital will _____ the patient as soon as their condition stabilizes.
- v.* to release or let go of something or someone; to dismiss or terminate an employee or member of an organization; to emit or give off a substance or energy
17. The project's _____ made it difficult for the team to complete it on time.
- n.* the state or quality of being complicated or intricate and difficult to understand
18. The patient was diagnosed with a _____ disorder affecting their motor skills.
- adj.* of or relating to the science of neurology or the nervous system
19. The _____ of ancient Greek literature includes many famous works.
- n.* a collection of texts or documents, usually used in research or analysis
20. 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
21. X-rays revealed a small tumor in his _____.
- n.* the organ inside the head that is responsible for one's movement, thought, memory, and feeling
22. It is important to place the _____ in the correct position for accurate electro-cardiogram recording.
- n.* either of two points or ends of a conductor at which electricity enters or leaves an object, substance, or region
23. The doctor diagnosed him with a rare _____ that had no known cure.
- n.* a disorder or illness that affects the body or mind, often characterized by specific symptoms or abnormal functioning of organs or systems

ANSWERS: 16. discharge, 17. complexity, 18. neurological, 19. corpus, 20. neuron, 21. brain, 22. electrodes, 23. disease

24. You _____ a bill in the change machine, and the coins pop out.
- v. to put something, usually a sharp object, into something; to restrict yourself to doing or using one certain thing and not change; (noun) a thin piece of wood or other material
25. The construction company _____ the building with an earthquake-resistant device.
- v. to provide a person or a place with the things that are needed for a particular purpose or activity
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. The new policy aims to _____ the use of renewable energy sources.
- v. to establish or make something a part of an institution (= a place such as a university, hospital, etc.)
28. The book _____ my imagination.
- v. to encourage something to develop or become more active; to stir the feelings or emotions
29. He was exhausted and _____ into bed as soon as he got home.
- v. to move in a particular direction by turning over and over or from side to side
30. He rolled up his _____ to get ready to work.
- n. a part of a garment that covers all or part of an arm

ANSWERS: 24. stick, 25. equipped, 26. neuroscience, 27. institutionalize, 28. stimulated, 29. rolled, 30. sleeves

31. Many employers hire _____ trainees to train as managers.
n. a person who has a first degree from university or college; (verb) to complete the first course of university or college and get a degree
32. The data he prepared was completely _____.
n. something that is not as good or true as it seems to be and is intended to deceive people; a person who pretends to be something they are not
33. The corpus _____ is essential for coordinating the functions of the two hemispheres.
n. a large bundle of nerve fibers that connects the two hemispheres of the brain
34. The golfer recorded an _____ distance.
adj. extremely surprising, especially in a way that you like or admire
35. The man _____ before opening the door.
v. to take a short break from talking or doing something before continuing
36. She _____ the toothpaste tube from the middle to get the last bit out.
v. to apply pressure from two or more sides; to hold someone or something tightly in your arms, usually with fondness
37. The surgeon carefully confirmed how to remove the tumor to avoid damaging the _____ nerves.
adj. of or relating to the spine (= the long bone in the body's back)
38. The rules were _____ after the new executive arrived.
v. to become or cause someone to become less active or tense and calmer

ANSWERS: 31. graduate, 32. sham, 33. callosum, 34. amazing, 35. paused, 36. squeezed, 37. spinal, 38. relaxed

39. The automaker has been providing _____ car financing options since last year.

adj. not expensive and able to pay

40. The teachers make full use of _____ assistance.

n. a person who performs or offers to perform a job or service without being paid for or forced to do

41. Your spinal _____ is located deep within your body.

n. a strong, thick, or thin thread or rope; a piece of plastic-coated wire used to transport electricity to a piece of equipment

42. The Prime Minister will pay a courtesy visit to the Nobel laureate's _____.

n. a workplace for the conduct of scientific research; a laboratory

43. The magic tricks _____ the children.

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

44. My computer has been acting _____ recently.

adj. extraordinary, unexpected, or difficult to explain

45. Please hang your towel on a _____.

n. a curved device used for suspending, holding, or pulling something, especially one attached to a surface for hanging things on; a sharp curve or crook

46. Several types of nerve fiber _____ different sensory receptors on the skin.

v. to supply an organ or part of the body with nerves; to stimulate action

47. The thunder _____ in the distance.

v. to make a low, heavy continuous sound

ANSWERS: 39. affordable, 40. volunteer, 41. cord, 42. lab, 43. fascinated, 44. weird, 45. hook, 46. innervate, 47. rumbled

48. Energy-efficient _____ are needed to maximize the cruising distance of electric vehicles.
- n.* a device that converts electricity, fuel, etc. into movement and makes a machine, vehicle, etc. work
49. _____ is the science of how living things work.
- n.* the branch of the biological sciences dealing with the functioning of organisms
50. 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
51. Her research team made an important _____.
- n.* the act or process of finding information, a place, or an object, or learning about something that was previously not known
52. She couldn't _____ whether to order the pizza or the pasta for dinner.
- v.* to make up someone's mind about something; to come to a conclusion or judgment after considering options

ANSWERS: 48. motors, 49. Physiology, 50. dedicated, 51. discovery, 52. decide