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Vocabulary Builder Reference from...

Ersin Han Ersin: What's it like to be a giant sequoia tree? | TED Talk

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

Advanced Words Only

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Session 1: Word List

mosquito

n. a small flying insect whose female bites people and animals and sucks their blood, and sometimes transmits serious diseases such as malaria

synonym : insect, bug, flea

(1) **mosquito** bite, (2) **mosquito** repellent

A stagnant water area are breeding ground for **mosquitos**.

swirl

v. to move in a circular or spiral pattern

synonym : spin, whirl, turn

(1) **swirl** the wine, (2) **swirl** up dirt and dust

The chef expertly **swirled** the sauce onto the plate.

engulf

v. to swallow up; to surround and cover completely

synonym : swallow, submerge, inundate

(1) **engulf** the politician, (2) **engulf** in water

The fire quickly **engulfed** the entire building.

mesmerize

v. to captivate or fascinate; to hold the complete attention of

synonym : captivate, trance, enchant

(1) **mesmerize** a subject, (2) **mesmerize** with magic

The magician's performance **mesmerized** the audience.

dragonfly

n. a slender-bodied non-stinging insect having two pairs of large transparent wings that are outspread at rest

(1) **dragonfly** passing over the water, (2) **dragonfly** larva
I caught a rare **dragonfly** in the mountains.

unfurl

v. to spread out or open something, such as a flag, sail, or wings, by shaking, shaking out, or extending it; to reveal or become revealed or disclosed

synonym: unfold, expand, spread out

(1) **unfurl** my banner, (2) **unfurl** the sails

The flag slowly **unfurled** in the wind atop the flagpole.

smartphone

n. a mobile phone that functions as a computer and connects to the Internet

(1) **smartphone** app developer, (2) **smartphone** addict
Internet traffic volumes have increased significantly with the advent of **smartphones**.

foray

n. a sudden or brief attack or incursion; a venture into something unfamiliar or challenging

synonym: raid, attack, incursion

(1) make a quick **foray**, (2) **foray** into politics

The company made a **foray** into the Chinese market.

robin

n. a small bird from the thrush family, typically having a red breast and found across Europe, Asia, and North America

synonym: thrush, red-breast, redbird

(1) **robin** eggs, (2) **robin's** nest

I love listening to the cheerful song of the **robin** in my garden.

marshmallow

n. a spongy confection made from sugar, corn syrup, and gelatin, often flavored with vanilla and molded into shapes or used as a topping or decoration for desserts

(1) **marshmallow** fluff, (2) **marshmallow** treat

She roasted **marshmallows** over the campfire.

- owl** *n.* a nocturnal bird of prey with large eyes, a facial disc, and typically a loud hooting call
synonym: raptor, bird of prey, nocturnal bird
(1) a night **owl**, (2) an **owl** hooted
The snowy **owl** is a large, white bird often seen in the Arctic.
- umwelt** *n.* the environmental or perceptual world that an organism or individual experiences, particularly concerning the human experience of reality as shaped by cultural, psychological, and physiological factors
synonym: environment, surroundings, habitat
(1) **umwelt** theory, (2) study of **umwelt**
A fish's **umwelt** differs from a bird's because they are adapted to different environments.
- unknowable** *adj.* impossible to know or comprehend; beyond the limits of human understanding
synonym: mysterious, enigmatic, unknowable
(1) **unknowable** complexity, (2) **unknowable** future
The mysteries of the universe are often considered **unknowable**.
- magnify** *v.* to make something look bigger than it really is, especially by looking at it through a lens; to make something bigger, stronger, or louder
synonym: enlarge, elaborate, intensify
(1) **magnify** the danger, (2) **magnify** the image for display
Terrorists often attempt to **magnify** the economic impact of their acts of destruction.
- sequoia** *n.* a huge evergreen tree that is native to California and has a straight trunk and a narrow, conical crown, which is a type of redwood
synonym: redwood
(1) a giant **sequoia**, (2) **Sequoia** National Park
The **sequoia** tree is known for its massive size and long lifespan.

embody

v. to represent or exemplify something; to give tangible form to an abstract idea

synonym: represent, exemplify, personify

(1) **embody** my goal, (2) **embody** a spirit of charity

The company's new products **embody** the values of innovation and sustainability.

rev

n. a measure of the rate at which an engine or motor rotates, often expressed in revolutions per minute (RPM); (verb) to increase the number of rotations per minute

synonym: revolution, RPM, speed

(1) low- **rev** engine, (2) **rev** up the crowd

He stepped on the gas pedal, and the engine released a loud **rev**.

tapestry

n. a piece of fabric or cloth that is woven with intricate designs or scenes, often depicting historical or mythological events; a complex or intricate story, idea, or situation

synonym: embroidery, hanging, cloth

(1) colorful **tapestry**, (2) intricate **tapestry** design

The **tapestry** on the wall depicted a medieval battle scene.

interdependence

n. the fact or state of depending on each other

synonym: relation, interconnection, linkage

(1) **interdependence** of mind and body, (2) global **interdependence**

The diplomatic rivalry between the two countries has strengthened the **interdependence** of their intra-regional supply chains for their manufacturing industries.

phloem

n. the tissue in plants that conducts sugars and other metabolic products downward from the leaves

synonym: sieve tube, vascular tissue, plant sap

(1) **phloem** tissue, (2) **phloem** cell

The **phloem** transports the sugars produced in the leaves to

other plant parts.

xylem

n. the tissue in plants that conducts water and dissolved nutrients from the roots upward through the stem and into the leaves

synonym: wood, tree sap, plant stem

(1) **xylem** vessels, (2) **xylem** cell

The **xylem** in trees gives them strength and allows them to transport water and nutrients.

ascend

v. to go or move upward; to become king or queen; to inherit something, such as a power

synonym: rise, climb, go up

(1) **ascend** the ladder, (2) **ascend** to power

The plane began to **ascend** into the sky.

moss

n. a small, soft plant that grows in a low, compact layer, often on the ground or on rocks

synonym: plant, foliage, greenery

(1) green **moss**, (2) **moss** garden

Moss grows in damp, shaded areas and is often found on the forest floor.

lichen

n. a composite organism consisting of a symbiotic relationship between a fungus and an alga or cyanobacterium

synonym: fungus, plant, symbiotic organism

(1) **lichen** fungus, (2) **lichen** families

The **lichen** on the old tree bark was thick and lush, a sign of a healthy ecosystem.

materialize

v. to become actual or real; to take physical form or shape; to appear or come into existence in a tangible way

synonym: appear, manifest, emerge

(1) **materialize** a cease-fire, (2) **materialize** in the dimness

The expected profits from their new venture did not **materialize** as predicted.

immerse

v. to become fully involved in a particular activity; to dip or submerge in a liquid, especially so that they or it are entirely covered

synonym : dip, inundate, submerge

(1) **immerse** the cloth in the dye, (2) completely **immerse** the ingredient

He **immersed** himself in his research.

bioelectricity

n. the electrical phenomena occurring within living organisms, especially in cells and tissues, resulting from the movement of charged particles across cell membranes and the generation of electrical potentials

synonym : biological currents

(1) **bioelectricity** in cells, (2) **bioelectricity** experiments

Researchers are exploring ways to harness **bioelectricity** to develop innovative medical treatments and therapies.

symphony

n. a long musical composition in Western classical music for orchestra, usually with three or four main parts called movements

synonym : orchestra, harmony, concert

(1) a **symphony** orchestra, (2) a beautiful **symphony**

The frequent performances of the **symphony** prove its popularity.

soundscape

n. the overall sound environment of a particular area or place

synonym : auditory environment, acoustics

(1) **soundscape** music, (2) tranquil **soundscape**

The **soundscape** of the city was a symphony of car horns and chatter.

haptic

adj. of or relating to or involving the sense of touch

synonym : tactile, tactual

(1) **haptic** perception, (2) **haptic** feedback

The player controls the game with a joystick or other **haptic** device.

heartbeat

n. the regular movement or sound of the heart as it sends blood around the body; an animating or vital unifying force

synonym : beat, pulse, force

(1) **heartbeat** abnormality, (2) a pounding **heartbeat**
New York is the commercial **heartbeat** of America.

contemplate

v. to think about a possible future action or to think about something for a long time thoughtfully

synonym : think over, ponder, consider

(1) **contemplate** a marriage, (2) **contemplated** leaving school

I recently **contemplated** dropping out of school and getting a full-time job.

inhale

v. to breathe in air or a different substance, such as smoke
synonym : breathe in, take in, draw in

(1) **inhale** the smoke, (2) **inhale** the aroma

He **inhaled** deeply, trying to calm down.

exhale

v. to breathe out air or vapor from the lungs or mouth; to release or emit something slowly or gently

synonym : breathe out, expel, emit

(1) **exhale** a big sigh, (2) **exhale** cigarette smoke

He took a deep breath and slowly began to **exhale**.

rhythmic

adj. having a pattern of regular beats or a regular beat; characterized by rhythm

synonym : measured, metrical, cadenced

(1) a **rhythmic** stroking, (2) in a **rhythmic** pace

The **rhythmic** sound of the drums was mesmerizing.

murmur

v. to say something very quietly; to complain about somebody or something under one's breath

synonym : burble, gurgle, mutter

(1) **murmur** at low wages, (2) **murmur** a greeting

He always **murmurs** at the ill-treatment.

confine

v. to restrict the movement of someone or something
synonym: restrict, limit, contain

(1) **confine** themselves solely, (2) **confine** the scope of use
The animal was **confined** in a small cage.

blur

n. a faint or indistinct image or sound; something that is not clear or distinct; (verb) to become unclear; to lose clear vision

synonym: smudge, smear, fuzz

(1) **blur** image, (2) motion **blur**

The camera's focus was off, and the image was a **blur** of colors and shapes.

transcend

v. to rise above or go beyond the limits of something
synonym: surpass, exceed, overcome

(1) **transcend** boundaries, (2) **transcend** limits

The music **transcended** cultural barriers and reached audiences globally.

enmesh

v. to entangle or involve someone or something in a complicated or difficult situation; to catch or trap as if in a net or mesh; to become entangled or caught up in something

synonym: entangle, trap, ensnare

(1) **enmesh** the fly in its web, (2) become **enmeshed** in legal battles

Her family drama **enmeshed** her in a web of lies and deceit.

entangle

v. to become twisted or knotted together, especially in a way that makes it difficult to separate them; to involve in something complicated or difficult to escape

synonym: ensnare, entrap, involve

(1) **entangle** in wires, (2) emotionally **entangle**

The vines of the plant **entangled** themselves around the trellis.

underscore

v. to give extra weight to communication; to draw a line or lines under a word, sentence, etc., to call attention to it
synonym : emphasize, underline, highlight

(1) **underscore** an important fact, (2) **underscore** the severity

That incident **underscored** the vulnerability of the national defense system.

humming

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

synonym : buzzing, droning, vibrating

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

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

respiration

n. the process of inhaling and exhaling air to exchange oxygen and carbon dioxide with the environment; the total of the physiological processes by which living organisms metabolize oxygen and release carbon dioxide

synonym : breathing, ventilation

(1) **respiration** rate, (2) artificial **respiration**

The doctor carefully monitored the patient's **respiration** during the surgery.

pore

n. a tiny hole in the skin of people or other animals that sweat can pass through; (verb) to read carefully or study attentively

synonym : stoma, foramen

(1) woody **pore** fungi, (2) **pore** over reference books

I was sweating at every **pore**.

fungus

n. a type of organism that includes yeasts, molds, and mushrooms, which are heterotrophic, meaning they do not produce their food and must consume organic matter to survive

synonym : mold, mildew, yeast

(1) **fungus** infection, (2) symbiotic **fungus**

Certain types of **fungus** can be toxic to humans, causing severe illness if ingested.

mycelium

n. the vegetative part of a fungus, consisting of a mass of branching, thread-like hyphae

(1) **mycelium** growth, (2) aerial **mycelium**

The **mycelium** of the mushroom spread through the soil, absorbing nutrients.

nurture

v. to take care of, feed, and protect someone or something while they are growing and developing

synonym: boost, cultivate, enable

(1) **nurture** love, (2) **nurture** his talents

Schools should **nurture** children's mutual interest spirit.

reciprocity

n. a mutual exchange of help and advantages; privileges granted in return for similar privileges

synonym: mutuality, interchange, exchange

(1) **reciprocity** relationship, (2) **reciprocity** exchange

The policy of **reciprocity** between the two countries allowed for visa-free travel.

harmonious

adj. characterized by harmony or agreement; free from conflict or disagreement; pleasing or soothing in sound or tone

synonym: concordant, consistent, melodious

(1) **harmonious** relationship, (2) **harmonious** blend

The painting's **harmonious** composition and balance of colors made it a masterpiece.

embark

v. to go on board a ship or plane; to set out on an enterprise or subject of study; to start something

synonym: enter, undertake, commence

(1) **embark** on a trip, (2) **embark** on a foolish adventure

We **embarked** on a new project.

groundbreaking

adj. producing fresh findings; using novel techniques
synonym : innovative, revolutionary

(1) **groundbreaking** concept, (2) **groundbreaking** settlement

He has produced **groundbreaking** research on the subject.

primordial

adj. existing from the beginning of time or the start of a particular process; relating to the earliest stage of the universe

synonym : ancient, original, primary

(1) **primordial** forms of life, (2) **primordial** gas

The discovery of the **primordial** soup was a crucial step in understanding the origins of life on Earth.

dismantle

v. to take apart or demolish (a structure, machine, system, or the like); to strip off fittings or equipment

synonym : take apart, demolish, take down

(1) **dismantle** a machine, (2) **dismantle** a system

The old building had to be **dismantled** because it was structurally unsound.

compel

v. to force or require someone to do something; to exert a strong, irresistible force or pressure that makes someone act in a certain way

synonym : force, oblige, coerce

(1) **compel** a person to submission, (2) **compel** attention

The strict deadlines will **compel** the team to work efficiently.

reconnect

v. to connect again after a break or interruption

synonym : reopen, rejoin, link up

(1) **reconnect** a telephone, (2) **reconnect** with family

After a long period of estrangement, they **reconnected** with each other.

Session 2: Spelling

1. fo__y into politics *n.* a sudden or brief attack or incursion; a venture into something unfamiliar or challenging
2. tr_____nd boundaries *v.* to rise above or go beyond the limits of something
3. nu_____e love *v.* to take care of, feed, and protect someone or something while they are growing and developing
4. sw__l up dirt and dust *v.* to move in a circular or spiral pattern
5. di_____le a system *v.* to take apart or demolish (a structure, machine, system, or the like); to strip off fittings or equipment
6. rec_____ty exchange *n.* a mutual exchange of help and advantages; privileges granted in return for similar privileges
7. em__k on a trip *v.* to go on board a ship or plane; to set out on an enterprise or subject of study; to start something
8. aerial my_____um *n.* the vegetative part of a fungus, consisting of a mass of branching, thread-like hyphae
9. mo_____to bite *n.* a small flying insect whose female bites people and animals and sucks their blood, and sometimes transmits serious diseases such as malaria
10. har_____us blend *adj.* characterized by harmony or agreement; free from conflict or disagreement; pleasing or soothing in sound or tone

ANSWERS: 1. foray, 2. transcend, 3. nurture, 4. swirl, 5. dismantle, 6. reciprocity, 7. embark, 8. mycelium, 9. mosquito, 10. harmonious

11. my_____um growth *n.* the vegetative part of a fungus, consisting of a mass of branching, thread-like hyphae
12. fu___s infection *n.* a type of organism that includes yeasts, molds, and mushrooms, which are heterotrophic, meaning they do not produce their food and must consume organic matter to survive
13. pri_____al forms of life *adj.* existing from the beginning of time or the start of a particular process; relating to the earliest stage of the universe
14. as____d to power *v.* to go or move upward; to become king or queen; to inherit something, such as a power
15. Se_____a National Park *n.* a huge evergreen tree that is native to California and has a straight trunk and a narrow, conical crown, which is a type of redwood
16. ro__n's nest *n.* a small bird from the thrush family, typically having a red breast and found across Europe, Asia, and North America
17. symbiotic fu___s *n.* a type of organism that includes yeasts, molds, and mushrooms, which are heterotrophic, meaning they do not produce their food and must consume organic matter to survive
18. a giant se_____a *n.* a huge evergreen tree that is native to California and has a straight trunk and a narrow, conical crown, which is a type of redwood

ANSWERS: 11. mycelium, 12. fungus, 13. primordial, 14. ascend, 15. sequoia, 16. robin, 17. fungus, 18. sequoia

19. ha___c feedback *adj.* of or relating to or involving the sense of touch
20. bio_____ity experiments *n.* the electrical phenomena occurring within living organisms, especially in cells and tissues, resulting from the movement of charged particles across cell membranes and the generation of electrical potentials
21. global int_____nce *n.* the fact or state of depending on each other
22. in___e the aroma *v.* to breathe in air or a different substance, such as smoke
23. motion b__r *n.* a faint or indistinct image or sound; something that is not clear or distinct; (verb) to become unclear; to lose clear vision
24. an o_l hooted *n.* a nocturnal bird of prey with large eyes, a facial disc, and typically a loud hooting call
25. im_____e the cloth in the dye *v.* to become fully involved in a particular activity; to dip or submerge in a liquid, especially so that they or it are entirely covered
26. em___k on a foolish adventure *v.* to go on board a ship or plane; to set out on an enterprise or subject of study; to start something
27. dr_____ly larva *n.* a slender-bodied non-stinging insect having two pairs of large transparent wings that are outspread at rest

ANSWERS: 19. haptic, 20. bioelectricity, 21. interdependence, 22. inhale, 23. blur, 24. owl, 25. immerse, 26. embark, 27. dragonfly

28. um___t theory *n.* the environmental or perceptual world that an organism or individual experiences, particularly concerning the human experience of reality as shaped by cultural, psychological, and physiological factors
29. m__s garden *n.* a small, soft plant that grows in a low, compact layer, often on the ground or on rocks
30. study of um___t *n.* the environmental or perceptual world that an organism or individual experiences, particularly concerning the human experience of reality as shaped by cultural, psychological, and physiological factors
31. sou_____pe music *n.* the overall sound environment of a particular area or place
32. ph___m cell *n.* the tissue in plants that conducts sugars and other metabolic products downward from the leaves
33. mar_____ow fluff *n.* a spongy confection made from sugar, corn syrup, and gelatin, often flavored with vanilla and molded into shapes or used as a topping or decoration for desserts
34. xy__m cell *n.* the tissue in plants that conducts water and dissolved nutrients from the roots upward through the stem and into the leaves
35. re_____ct a telephone *v.* to connect again after a break or interruption

ANSWERS: 28. umwelt, 29. moss, 30. umwelt, 31. soundscape, 32. phloem, 33. marshmallow, 34. xylem, 35. reconnect

36. ro__n eggs *n.* a small bird from the thrush family, typically having a red breast and found across Europe, Asia, and North America
37. em___y my goal *v.* to represent or exemplify something; to give tangible form to an abstract idea
38. he_____at abnormality *n.* the regular movement or sound of the heart as it sends blood around the body; an animating or vital unifying force
39. und_____re an important fact *v.* to give extra weight to communication; to draw a line or lines under a word, sentence, etc., to call attention to it
40. ma___y the image for display *v.* to make something look bigger than it really is, especially by looking at it through a lens; to make something bigger, stronger, or louder
41. me_____ze with magic *v.* to captivate or fascinate; to hold the complete attention of
42. unk_____le future *adj.* impossible to know or comprehend; beyond the limits of human understanding
43. a beautiful sy____ny *n.* a long musical composition in Western classical music for orchestra, usually with three or four main parts called movements
44. co___l a person to submission *v.* to force or require someone to do something; to exert a strong, irresistible force or pressure that makes someone act in a certain way

ANSWERS: 36. robin, 37. embody, 38. heartbeat, 39. underscore, 40. magnify, 41. mesmerize, 42. unknowable, 43. symphony, 44. compel

45. un___l the sails *v.* to spread out or open something, such as a flag, sail, or wings, by shaking, shaking out, or extending it; to reveal or become revealed or disclosed
46. sma_____ne addict *n.* a mobile phone that functions as a computer and connects to the Internet
47. artificial res_____on *n.* the process of inhaling and exhaling air to exchange oxygen and carbon dioxide with the environment; the total of the physiological processes by which living organisms metabolize oxygen and release carbon dioxide
48. r_v up the crowd *n.* a measure of the rate at which an engine or motor rotates, often expressed in revolutions per minute (RPM); (verb) to increase the number of rotations per minute
49. bio_____ity in cells *n.* the electrical phenomena occurring within living organisms, especially in cells and tissues, resulting from the movement of charged particles across cell membranes and the generation of electrical potentials
50. woody p__e fungi *n.* a tiny hole in the skin of people or other animals that sweat can pass through; (verb) to read carefully or study attentively
51. me_____ze a subject *v.* to captivate or fascinate; to hold the complete attention of
52. mar_____ow treat *n.* a spongy confection made from sugar, corn syrup, and gelatin, often flavored with vanilla and molded into shapes or used as a topping or decoration for desserts

ANSWERS: 45. unfurl, 46. smartphone, 47. respiration, 48. rev, 49. bioelectricity, 50. pore, 51. mesmerize, 52. marshmallow

53. gro_____ing settlement *adj.* producing fresh findings; using novel techniques
54. as___d the ladder *v.* to go or move upward; to become king or queen; to inherit something, such as a power
55. emotionally en_____le *v.* to become twisted or knotted together, especially in a way that makes it difficult to separate them; to involve in something complicated or difficult to escape
56. li___n families *n.* a composite organism consisting of a symbiotic relationship between a fungus and an alga or cyanobacterium
57. unk_____le complexity *adj.* impossible to know or comprehend; beyond the limits of human understanding
58. re_____ct with family *v.* to connect again after a break or interruption
59. colorful ta_____ry *n.* a piece of fabric or cloth that is woven with intricate designs or scenes, often depicting historical or mythological events; a complex or intricate story, idea, or situation
60. in a rh_____ic pace *adj.* having a pattern of regular beats or a regular beat; characterized by rhythm
61. ma_____y the danger *v.* to make something look bigger than it really is, especially by looking at it through a lens; to make something bigger, stronger, or louder

ANSWERS: 53. groundbreaking, 54. ascend, 55. entangle, 56. lichen, 57. unknowable, 58. reconnect, 59. tapestry, 60. rhythmic, 61. magnify

62. make a quick fo__y *n.* a sudden or brief attack or incursion; a venture into something unfamiliar or challenging
63. pri_____al gas *adj.* existing from the beginning of time or the start of a particular process; relating to the earliest stage of the universe
64. nu_____e his talents *v.* to take care of, feed, and protect someone or something while they are growing and developing
65. completely im_____e the ingredient *v.* to become fully involved in a particular activity; to dip or submerge in a liquid, especially so that they or it are entirely covered
66. und_____re the severity *v.* to give extra weight to communication; to draw a line or lines under a word, sentence, etc., to call attention to it
67. green m__s *n.* a small, soft plant that grows in a low, compact layer, often on the ground or on rocks
68. res_____on rate *n.* the process of inhaling and exhaling air to exchange oxygen and carbon dioxide with the environment; the total of the physiological processes by which living organisms metabolize oxygen and release carbon dioxide
69. en___h the fly in its web *v.* to entangle or involve someone or something in a complicated or difficult situation; to catch or trap as if in a net or mesh; to become entangled or caught up in something

ANSWERS: 62. foray, 63. primordial, 64. nurture, 65. immerse, 66. underscore, 67. moss, 68. respiration, 69. enmesh

70. sw__l the wine *v.* to move in a circular or spiral pattern
71. har_____us relationship *adj.* characterized by harmony or agreement; free from conflict or disagreement; pleasing or soothing in sound or tone
72. a pounding he_____at *n.* the regular movement or sound of the heart as it sends blood around the body; an animating or vital unifying force
73. hu_____g sound *adj.* producing a continuous, low, vibrating sound like that of the bee
74. p__e over reference books *n.* a tiny hole in the skin of people or other animals that sweat can pass through; *(verb)* to read carefully or study attentively
75. hu_____g bird *adj.* producing a continuous, low, vibrating sound like that of the bee
76. co_____e the scope of use *v.* to restrict the movement of someone or something
77. co___l attention *v.* to force or require someone to do something; to exert a strong, irresistible force or pressure that makes someone act in a certain way
78. ex___e a big sigh *v.* to breathe out air or vapor from the lungs or mouth; to release or emit something slowly or gently
79. li___n fungus *n.* a composite organism consisting of a symbiotic relationship between a fungus and an alga or cyanobacterium

ANSWERS: 70. swirl, 71. harmonious, 72. heartbeat, 73. humming, 74. pore, 75. humming, 76. confine, 77. compel, 78. exhale, 79. lichen

80. sma_____ne app developer *n.* a mobile phone that functions as a computer and connects to the Internet
81. mo_____to repellent *n.* a small flying insect whose female bites people and animals and sucks their blood, and sometimes transmits serious diseases such as malaria
82. become en____hed in legal battles *v.* to entangle or involve someone or something in a complicated or difficult situation; to catch or trap as if in a net or mesh; to become entangled or caught up in something
83. con_____ted leaving school *v.* to think about a possible future action or to think about something for a long time thoughtfully
84. ex____e cigarette smoke *v.* to breathe out air or vapor from the lungs or mouth; to release or emit something slowly or gently
85. co_____e themselves solely *v.* to restrict the movement of someone or something
86. em____y a spirit of charity *v.* to represent or exemplify something; to give tangible form to an abstract idea
87. en____le in wires *v.* to become twisted or knotted together, especially in a way that makes it difficult to separate them; to involve in something complicated or difficult to escape
88. mu____r a greeting *v.* to say something very quietly; to complain about somebody or something under one's breath

ANSWERS: 80. smartphone, 81. mosquito, 82. enmesh, 83. contemplate, 84. exhale, 85. confine, 86. embody, 87. entangle, 88. murmur

89. di_____le a machine *v.* to take apart or demolish (a structure, machine, system, or the like); to strip off fittings or equipment
90. mat_____ze a cease-fire *v.* to become actual or real; to take physical form or shape; to appear or come into existence in a tangible way
91. rec_____ty relationship *n.* a mutual exchange of help and advantages; privileges granted in return for similar privileges
92. en____f in water *v.* to swallow up; to surround and cover completely
93. dr_____ly passing over the water *n.* a slender-bodied non-stinging insect having two pairs of large transparent wings that are outspread at rest
94. ha____c perception *adj.* of or relating to or involving the sense of touch
95. con_____te a marriage *v.* to think about a possible future action or to think about something for a long time thoughtfully
96. low-r_v engine *n.* a measure of the rate at which an engine or motor rotates, often expressed in revolutions per minute (RPM); (verb) to increase the number of rotations per minute
97. tr_____nd limits *v.* to rise above or go beyond the limits of something
98. xy__m vessels *n.* the tissue in plants that conducts water and dissolved nutrients from the roots upward through the stem and into the leaves

ANSWERS: 89. dismantle, 90. materialize, 91. reciprocity, 92. engulf, 93. dragonfly, 94. haptic, 95. contemplate, 96. rev, 97. transcend, 98. xylem

99. a rh____ic stroking *adj.* having a pattern of regular beats or a regular beat; characterized by rhythm
100. en___f the politician *v.* to swallow up; to surround and cover completely
101. int_____nce of mind and body *n.* the fact or state of depending on each other
102. gro_____ing concept *adj.* producing fresh findings; using novel techniques
103. mat_____ze in the dimness *v.* to become actual or real; to take physical form or shape; to appear or come into existence in a tangible way
104. mu___r at low wages *v.* to say something very quietly; to complain about somebody or something under one's breath
105. tranquil sou_____pe *n.* the overall sound environment of a particular area or place
106. b___r image *n.* a faint or indistinct image or sound; something that is not clear or distinct; (verb) to become unclear; to lose clear vision
107. un___l my banner *v.* to spread out or open something, such as a flag, sail, or wings, by shaking, shaking out, or extending it; to reveal or become revealed or disclosed
108. ph___m tissue *n.* the tissue in plants that conducts sugars and other metabolic products downward from the leaves
109. a night o_l *n.* a nocturnal bird of prey with large eyes, a facial disc, and typically a loud hooting call

ANSWERS: 99. rhythmic, 100. engulf, 101. interdependence, 102. groundbreaking, 103. materialize, 104. murmur, 105. soundscape, 106. blur, 107. unfurl, 108. phloem, 109. owl

110. a sy____ny orchestra
- n.* a long musical composition in Western classical music for orchestra, usually with three or four main parts called movements
111. in____e the smoke
- v.* to breathe in air or a different substance, such as smoke
112. intricate ta____ry design
- n.* a piece of fabric or cloth that is woven with intricate designs or scenes, often depicting historical or mythological events; a complex or intricate story, idea, or situation

ANSWERS: 110. symphony, 111. inhale, 112. tapestry

Session 3: Fill in the Blanks

1. The _____ of the mushroom spread through the soil, absorbing nutrients.
n. the vegetative part of a fungus, consisting of a mass of branching, thread-like hyphae

2. A fish's _____ differs from a bird's because they are adapted to different environments.
n. the environmental or perceptual world that an organism or individual experiences, particularly concerning the human experience of reality as shaped by cultural, psychological, and physiological factors

3. I love listening to the cheerful song of the _____ in my garden.
n. a small bird from the thrush family, typically having a red breast and found across Europe, Asia, and North America

4. After a long period of estrangement, they _____ with each other.
v. to connect again after a break or interruption

5. The _____ of the city was a symphony of car horns and chatter.
n. the overall sound environment of a particular area or place

6. Researchers are exploring ways to harness _____ to develop innovative medical treatments and therapies.
n. the electrical phenomena occurring within living organisms, especially in cells and tissues, resulting from the movement of charged particles across cell membranes and the generation of electrical potentials

7. The expected profits from their new venture did not _____ as predicted.
v. to become actual or real; to take physical form or shape; to appear or come into existence in a tangible way

ANSWERS: 1. mycelium, 2. umwelt, 3. robin, 4. reconnected, 5. soundscape, 6. bioelectricity, 7. materialize

8. Terrorists often attempt to _____ the economic impact of their acts of destruction.
- v. to make something look bigger than it really is, especially by looking at it through a lens; to make something bigger, stronger, or louder
9. That incident _____ the vulnerability of the national defense system.
- v. to give extra weight to communication; to draw a line or lines under a word, sentence, etc., to call attention to it
10. He took a deep breath and slowly began to _____.
- v. to breathe out air or vapor from the lungs or mouth; to release or emit something slowly or gently
11. The plane began to _____ into the sky.
- v. to go or move upward; to become king or queen; to inherit something, such as a power
12. He _____ himself in his research.
- v. to become fully involved in a particular activity; to dip or submerge in a liquid, especially so that they or it are entirely covered
13. The vines of the plant _____ themselves around the trellis.
- v. to become twisted or knotted together, especially in a way that makes it difficult to separate them; to involve in something complicated or difficult to escape
14. New York is the commercial _____ of America.
- n. the regular movement or sound of the heart as it sends blood around the body; an animating or vital unifying force
15. The mysteries of the universe are often considered _____.
- adj. impossible to know or comprehend; beyond the limits of human understanding

ANSWERS: 8. magnify, 9. underscored, 10. exhale, 11. ascend, 12. immersed, 13. entangled, 14. heartbeat, 15. unknowable

16. Internet traffic volumes have increased significantly with the advent of _____.
- n.* a mobile phone that functions as a computer and connects to the Internet
17. The _____ in trees gives them strength and allows them to transport water and nutrients.
- n.* the tissue in plants that conducts water and dissolved nutrients from the roots upward through the stem and into the leaves
18. The snowy ____ is a large, white bird often seen in the Arctic.
- n.* a nocturnal bird of prey with large eyes, a facial disc, and typically a loud hooting call
19. I was sweating at every _____.
- n.* a tiny hole in the skin of people or other animals that sweat can pass through;
(verb) to read carefully or study attentively
20. The _____ tree is known for its massive size and long lifespan.
- n.* a huge evergreen tree that is native to California and has a straight trunk and a narrow, conical crown, which is a type of redwood
21. The animal was _____ in a small cage.
- v.* to restrict the movement of someone or something
22. A stagnant water area are breeding ground for _____.
- n.* a small flying insect whose female bites people and animals and sucks their blood, and sometimes transmits serious diseases such as malaria
23. She roasted _____ over the campfire.
- n.* a spongy confection made from sugar, corn syrup, and gelatin, often flavored with vanilla and molded into shapes or used as a topping or decoration for desserts

ANSWERS: 16. smartphones, 17. xylem, 18. owl, 19. pore, 20. sequoia, 21. confined, 22. mosquitos, 23. marshmallows

24. I recently _____ dropping out of school and getting a full-time job.
- v. to think about a possible future action or to think about something for a long time thoughtfully
25. He always _____ at the ill-treatment.
- v. to say something very quietly; to complain about somebody or something under one's breath
26. The company made a _____ into the Chinese market.
- n. a sudden or brief attack or incursion; a venture into something unfamiliar or challenging
27. The old building had to be _____ because it was structurally unsound.
- v. to take apart or demolish (a structure, machine, system, or the like); to strip off fittings or equipment
28. The frequent performances of the _____ prove its popularity.
- n. a long musical composition in Western classical music for orchestra, usually with three or four main parts called movements
29. Her family drama _____ her in a web of lies and deceit.
- v. to entangle or involve someone or something in a complicated or difficult situation; to catch or trap as if in a net or mesh; to become entangled or caught up in something
30. The magician's performance _____ the audience.
- v. to captivate or fascinate; to hold the complete attention of
31. The _____ of the bees filled the air as she walked through the garden.
- adj. producing a continuous, low, vibrating sound like that of the bee

ANSWERS: 24. contemplated, 25. murmurs, 26. foray, 27. dismantled, 28. symphony, 29. enmeshed, 30. mesmerized, 31. humming

32. The chef expertly _____ the sauce onto the plate.

v. to move in a circular or spiral pattern

33. The camera's focus was off, and the image was a _____ of colors and shapes.

n. a faint or indistinct image or sound; something that is not clear or distinct; (verb) to become unclear; to lose clear vision

34. The fire quickly _____ the entire building.

v. to swallow up; to surround and cover completely

35. Certain types of _____ can be toxic to humans, causing severe illness if ingested.

n. a type of organism that includes yeasts, molds, and mushrooms, which are heterotrophic, meaning they do not produce their food and must consume organic matter to survive

36. The _____ sound of the drums was mesmerizing.

adj. having a pattern of regular beats or a regular beat; characterized by rhythm

37. The _____ transports the sugars produced in the leaves to other plant parts.

n. the tissue in plants that conducts sugars and other metabolic products downward from the leaves

38. The strict deadlines will _____ the team to work efficiently.

v. to force or require someone to do something; to exert a strong, irresistible force or pressure that makes someone act in a certain way

39. Schools should _____ children's mutual interest spirit.

v. to take care of, feed, and protect someone or something while they are growing and developing

ANSWERS: 32. swirled, 33. blur, 34. engulfed, 35. fungus, 36. rhythmic, 37. phloem, 38. compel, 39. nurture

40. The painting's _____ composition and balance of colors made it a masterpiece.

adj. characterized by harmony or agreement; free from conflict or disagreement; pleasing or soothing in sound or tone

41. I caught a rare _____ in the mountains.

n. a slender-bodied non-stinging insect having two pairs of large transparent wings that are outspread at rest

42. He has produced _____ research on the subject.

adj. producing fresh findings; using novel techniques

43. The diplomatic rivalry between the two countries has strengthened the _____ of their intra-regional supply chains for their manufacturing industries.

n. the fact or state of depending on each other

44. The _____ on the wall depicted a medieval battle scene.

n. a piece of fabric or cloth that is woven with intricate designs or scenes, often depicting historical or mythological events; a complex or intricate story, idea, or situation

45. The doctor carefully monitored the patient's _____ during the surgery.

n. the process of inhaling and exhaling air to exchange oxygen and carbon dioxide with the environment; the total of the physiological processes by which living organisms metabolize oxygen and release carbon dioxide

46. The company's new products _____ the values of innovation and sustainability.

v. to represent or exemplify something; to give tangible form to an abstract idea

ANSWERS: 40. harmonious, 41. dragonfly, 42. groundbreaking, 43. interdependence, 44. tapestry, 45. respiration, 46. embody

47. The player controls the game with a joystick or other _____ device.
adj. of or relating to or involving the sense of touch
48. The flag slowly _____ in the wind atop the flagpole.
v. to spread out or open something, such as a flag, sail, or wings, by shaking, shaking out, or extending it; to reveal or become revealed or disclosed
49. The _____ on the old tree bark was thick and lush, a sign of a healthy ecosystem.
n. a composite organism consisting of a symbiotic relationship between a fungus and an alga or cyanobacterium
50. We _____ on a new project.
v. to go on board a ship or plane; to set out on an enterprise or subject of study; to start something
51. The music _____ cultural barriers and reached audiences globally.
v. to rise above or go beyond the limits of something
52. He stepped on the gas pedal, and the engine released a loud _____.
n. a measure of the rate at which an engine or motor rotates, often expressed in revolutions per minute (RPM); (verb) to increase the number of rotations per minute
53. The policy of _____ between the two countries allowed for visa-free travel.
n. a mutual exchange of help and advantages; privileges granted in return for similar privileges
54. He _____ deeply, trying to calm down.
v. to breathe in air or a different substance, such as smoke

ANSWERS: 47. haptic, 48. unfurled, 49. lichen, 50. embarked, 51. transcended, 52. rev, 53. reciprocity, 54. inhaled

55. The discovery of the _____ soup was a crucial step in understanding the origins of life on Earth.

adj. existing from the beginning of time or the start of a particular process; relating to the earliest stage of the universe

56. _____ grows in damp, shaded areas and is often found on the forest floor.

n. a small, soft plant that grows in a low, compact layer, often on the ground or on rocks

ANSWERS: 55. primordial, 56. Moss