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Vocabulary Builder Reference from...

Antonio Donato Nobre: The magic of the Amazon: A river that flows invisibly all around us | TED Talk
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Advanced Words Only

IMPORTANT

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Session 1: Word List

- ken** *n.* knowledge, perception, understanding, or range of sight; (verb) to be aware of or know
synonym : knowledge, understanding, familiarity
(1) within my **ken**, (2) **ken** of the person
He had a good **ken** of the city and could easily find his way around.
- opportune** *adj.* suitable or happening at a time that is suitable or convenient for a particular purpose
synonym : suitable, timely, practical
(1) **opportune** occasion, (2) an **opportune** remark
The phone rang at the most **opportune** time.
- storehouse** *n.* a large building or room used for storing goods
synonym : warehouse, depository, repository
(1) **storehouse** supplies, (2) **storehouse** inventory
The security of a **storehouse** is essential to prevent theft or damage to the stored items.
- marsh** *n.* a type of land that is always wet and has soft soil; swamp or bog
synonym : bog, swamp, fen

(1) **marsh** bird, (2) river-delta **marsh**

Environmentalists are concerned about the harm to the **marsh**.

amaze

v. to fill with wonder, surprise, or admiration

synonym: astound, surprise, stagger

(1) **amaze** and entertain visitors, (2) **amaze** everyone

The magician's tricks **amazed** the audience.

harmonic

adj. relating to the production of sound waves with a frequency that is an integral multiple of the frequency of the original wave; having a pleasing, pleasing, or agreeable sound.

synonym: melodic, balanced, harmonious

(1) **harmonic** oscillator, (2) a natural **harmonic** quality

The violin's sound was so pure and **harmonic** that it gave me chills.

materialistic

adj. concerned primarily with material possessions rather than spiritual or intellectual values; adhering to a philosophy that places a high value on material goods or wealth

synonym: worldly, consumerist, acquisitive

(1) **materialistic** lifestyle, (2) **materialistic** values

Some people believe that the pursuit of wealth is a **materialistic** goal.

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.

equator

n. an line of latitude that separates Earth's northern and southern hemispheres and has a radius of around 40,075 kilometers (24,901 miles)

(1) south of the **equator**, (2) above the **equator**

Ecuador is on the **equator**.

frantic

adj. marked by uncontrolled excitement or emotion; wild; frenzied

synonym: wild, frenzied, manic

(1) **frantic** pace, (2) with **frantic** haste

The mother was **frantic** as she searched for her lost child.

evaporation

n. the process of a liquid changing into a gas or vapor, often as a result of high temperatures or reduced pressure; the gradual disappearance or dissipation of something, such as money or resources

synonym: vaporization, dehydration, desiccation

(1) **evaporation** cooling, (2) slow **evaporation**

The formation of clouds is facilitated by the process of **evaporation** and condensation

resurgence

n. the return or growth of something after a period of decline or disappearance

synonym: revival, recovery, rejuvenation

(1) **resurgence** in popularity, (2) **resurgence** of exports

After years of decline, the city is experiencing a **resurgence** in economic growth.

gush

v. to flow or pour out rapidly and in large quantities

synonym: jet, burst, flush

(1) **gush** about my love for sports, (2) **gush** out and won't stop

A supertanker continues to **gush** oil off the coast of Spain.

geyser

n. a natural hot spring that periodically ejects a column of boiling water and steam into the air; a device that produces a similar effect for decorative or practical purposes

synonym: hot spring, fumarole

(1) erupting **geyser**, (2) Yellowstone **geyser**

The **geyser's** hot water generates electricity for nearby towns

and cities.

magma

n. molten rock that is located beneath the earth's surface and can solidify to form igneous rock

synonym: molten rock, lava, igneous rock

(1) volcanic **magma**, (2) **magma** flow

Magma chambers are large underground reservoirs where molten rock is stored before an eruption.

explode

v. to burst or break open violently and noisily; to cause something to burst or break open

synonym: detonate, blast, rupture

(1) **explode** in anger, (2) **explode** in popularity

The old building **exploded** in a fiery inferno.

sophistication

n. the quality or state of having a great deal of worldly experience; the quality or state of being intellectually or culturally refined

synonym: refinement, culture, elegance

(1) cultural **sophistication**, (2) linguistic **sophistication**

The new technology added a level of **sophistication** to the manufacturing process.

transpire

v. to happen or be revealed

synonym: occur, happen, take place

(1) **transpire** as expected, (2) **transpire** in the news

It finally **transpired** that an employee had stolen the missing money.

kettle

n. a metal container with a lid and handle, used for boiling water or other liquids over a heat source, commonly used for making tea or cooking pasta or soup

synonym: pot, cauldron, timpani

(1) electric **kettle**, (2) whistle **kettle**

The **kettle** on the stove started to whistle, signaling that the water was boiling.

evaporate

v. to turn a liquid into a gas; to become less intense and disappear gradually

synonym: vaporize, disappear, vanish

(1) **evaporate** the water, (2) **evaporate** almost overnight

The sun will **evaporate** the mist.

hydroelectric

adj. relating to the generation of electricity from water power, usually by using turbines or generators powered by falling or flowing water; utilizing the energy of water to generate electricity

synonym: water-powered, turbine, dam-generated

(1) **hydroelectric** stations, (2) **hydroelectric** dam

The town decided to convert its power source to

hydroelectric energy.

paradox

n. a statement, situation, or person that has two opposite facts or features and therefore seems impossible, is difficult to understand, or is strange;

synonym: incongruity, dichotomy, contradiction

(1) French **paradox**, (2) the **paradox** of the heap

There are many theories to explain this **paradox**.

hemisphere

n. half of the terrestrial globe; half of a sphere

(1) northern **hemisphere**, (2) cerebral **hemisphere**

This weather pattern is unique to the southern **hemisphere**.

quadrangle

n. an open square or rectangular area surrounded by buildings or walls, often found in educational institutions, monasteries, or other large buildings; a plane figure with four sides and four angles

synonym: courtyard, square, quad

(1) **quadrangle** courtyard, (2) historic **quadrangle**

During winter, the **quadrangle** square becomes picturesque with snow-covered paths and trees.

circulate

v. to move continuously or freely around a place or closed system

synonym : flow, disperse, rotate

(1) **circulate** a rumor, (2) **circulate** an agenda before the meeting

The fan **circulates** the air in the room quickly.

irrigate

v. to supply water to land to help plants grow

synonym : water, drench, soak

(1) **irrigate** fields, (2) **irrigate** the flowers and plants

The water shortage in the region has made it difficult for farmers to **irrigate** their crops.

Negro

n. ("Negro" is now considered out of date and offensive) a term that was once used to refer to people of African descent, especially those living in the United States

synonym : African American

(1) **Negro** literature, (2) American **Negro**

They developed **Negro** blues with a lively rhythm.

humid

adj. having a high amount of moisture or water vapor in the air; damp; muggy

synonym : damp, muggy, moist

(1) **humid** climate, (2) uncomfortably **humid**

The air was so **humid** that my clothes felt damp.

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.

emit

v. to give off or send out something such as light, heat, sound, gas, etc.

synonym : give off, radiate, expel

(1) **emit** a gamma ray, (2) **emit** air pollution

During the unloading, the container box **emits** a clicking sound.

condensation

n. the process by which water vapor in the air turns into a liquid when it comes into contact with a surface that is cooler than the air; the act of making something more concise or shorter

synonym: vaporization, evaporation, precipitation

(1) **condensation** nuclei, (2) **condensation** of ideas

The **condensation** on the window was a clear sign of the high humidity.

sprinkler

n. a device that sprays water over a large area used especially for watering crops or gardens or for firefighting

synonym: sprayer, irrigation system

(1) road **sprinkler**, (2) **sprinkler** irrigation

The **sprinkler** system kept the lawn green and healthy.

ingenious

adj. showing inventiveness and ability or skill

synonym: creative, innovative, inventive

(1) **ingenious** device, (2) **ingenious** idea

I always look forward to reading his stories since they're so **ingenious**.

exogenous

adj. originating or coming from outside; external to a system or organism; introduced or caused by factors or substances external to the body or system being referred to

synonym: external, foreign, alien

(1) **exogenous** variables, (2) **exogenous** shocks

The patient was given an **exogenous** supplement to boost their immune system.

antioxidant

n. a substance that inhibits oxidation, especially one used to counteract the deterioration of stored food products

(1) high levels of **antioxidants**, (2) **antioxidant** behavior

Fruits and vegetables are good sources of **antioxidants**.

pollutant

n. a substance or agent that pollutes or contaminates the environment, typically through release into the air, water, or soil

synonym: contaminant, toxic substance

(1) noxious **pollutant**, (2) water **pollutant**

The factory's use of chemicals has made it a significant **pollutant** in the area.

fractal

n. a complex geometric pattern or shape that repeats itself on smaller and smaller scales, often occurring in nature or mathematical equations

synonym: pattern, design, geometry

(1) **fractal** pattern, (2) **fractal** art

The coastline of Norway is one of the most famous examples of **fractal** geometry in nature.

airway

n. the air passage from the nose and throat to the lungs; a designated route followed by airplanes flying from one airport to another

synonym: air passage, air duct, skyway

(1) **airway** blockage, (2) **airway** beacon

When performing lifesaving, the first step is to secure the **airway**.

endocrine

adj. relating to the glands in the body that secrete hormones directly into the bloodstream to regulate bodily functions and processes

synonym: hormonal, glandular, secretory

(1) **endocrine** disorders, (2) **endocrine** cell

The **endocrine** system regulates many bodily functions, including metabolism and growth.

pristine

adj. new and completely free from dirt or contamination

synonym: chaste, pure, immaculate

(1) **pristine** beach, (2) maintain the **pristine** condition

It is terrific to camp in **pristine** nature.

motto

n. a phrase or slogan that expresses a guiding principle or goal

synonym: slogan, catchphrase, phrase

(1) the **motto** for safe traffic, (2) company **motto**

The company's **motto** is "Innovation and Service," which is reflected in its products and customer support.

biosphere

n. the part of the Earth and its atmosphere in which living organisms exist, including plants, animals, and microorganisms

synonym: ecosphere, ecospace, ecosystem

(1) terrestrial **biosphere**, (2) artificial **biosphere**

The balance of the **biosphere** is crucial for the survival of species.

declamation

n. the act or art of delivering a formal or rhetorical speech, often in a loud or theatrical manner; the act of reciting or delivering a speech or poem in a highly expressive and dramatic way

synonym: recitation, oration, speech

(1) eloquent **declamation**, (2) emotional **declamation**

The politician's powerful **declamation** energized the crowd and inspired action.

doe

n. a mature female of mammals of which the male is called a buck, such as a deer or a rabbit

synonym: rabbit, bunny, hare

(1) **doe** rabbit, (2) buck and **doe**

Hunters use a whistle that makes the **doe** sound to lure stags.

deforest

v. to clear an area of forest or trees

synonym: clear-cut, strip, denude

(1) **deforest** a mountain, (2) **deforest** millions of acres

The company planned to **deforest** a large rainforest area to

make way for a new plantation.

befuddle

v. to confuse someone, making them unable to think clearly or understand something

synonym: perplex, confuse, bewilder

(1) **befuddle** the audience, (2) **befuddle** the mind

The complex instructions **befuddled** me, and I had trouble deciding what to do next.

astronomer

n. a physicist who studies astronomy

synonym: stargazer, cosmologist, astrophysicist

(1) amateur **astronomer**, (2) solar **astronomer**

This question has fascinated solar **astronomers** for decades.

cosmos

n. another name for the universe, mainly used when it is thought of as an ordered system

synonym: universe, macrocosm

(1) exploration of **cosmos**, (2) origin of the **cosmos**

Supercomputers enable scientists to create computational models of the **cosmos**.

trample

v. to step heavily on something or someone, causing damage or injury

synonym: tread, stomp, crush

(1) **trample** down his feelings, (2) **trample** on the rights

The plants in this garden are precious, so you must not **trample** them.

astrophysics

n. the branch of physics concerned with the study of the properties and behavior of celestial objects and the physical processes that govern the behavior and evolution of the universe

(1) **astrophysics** research, (2) neutrino **astrophysics**

He was studying **astrophysics** in an attempt to understand the origins of the universe.

improbable

adj. not likely to happen or be true; unlikely; having a low probability or chance of occurring

synonym: unlikely, doubtful, implausible

(1) **improbable** story, (2) **improbable** event

It is **improbable** that we will find a solution to this problem overnight.

typhoon

n. a tropical storm with strong winds and heavy rain, typically occurring in the western Pacific Ocean

synonym: cyclone, hurricane, storm

(1) super **typhoon**, (2) **typhoon** season

Many families were forced to evacuate their homes due to the **typhoon's** severity.

ancestral

adj. related to or connected with members of your family from the past

synonym: hereditary, inherited, patrimonial

(1) an **ancestral** graveyard, (2) **ancestral** roots

The **ancestral** home has been in the family for generations.

reverence

n. a feeling or expression of deep respect, reverence, or admiration for someone or something, often associated with religious or spiritual devotion

synonym: adoration, reverence, respect

(1) show **reverence**, (2) cultural **reverence**

The religious ceremony was filled with **reverence** for the deity.

reverence

n. a deep respect for someone or something

synonym: respect, honor, awe

(1) **reverence** for tradition, (2) pay **reverence** to him

The people of the village showed great **reverence** for the elderly.

ancestor

n. a person from whom one is descended; a forefather

synonym: forebear, forefather, progenitor

(1) **ancestor** language, (2) earliest human **ancestor**
My remote **ancestor** immigrated to the United States from Ireland in the 1800s.

inferno

n. a place or condition of intense suffering, especially Hell, in traditional Christian beliefs

synonym: hell, fiery pit, furnace

(1) a raging **inferno**, (2) devastating **inferno**

The building was consumed by an **inferno**, reducing it to ashes.

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.

morpho

n. a genus of butterflies belonging to the family Nymphalidae, known for their vibrant blue wings, primarily found in Central and South America

synonym: butterfly

(1) **morpho** blue, (2) **morpho** wings

The **morpho** butterfly is known for its vibrant blue wings.

arrogant

adj. having or revealing an exaggerated sense of one's importance or abilities

synonym: haughty, supercilious, disdainful

(1) an **arrogant** attitude, (2) grow **arrogant**

He was so **arrogant** that he thought he was always right.

deprive

v. to take away something from someone

synonym: deny, take away, divest

(1) **deprive** others of profit, (2) **deprive** him of his status

He was **deprived** of his freedom when sentenced to life in prison.

robotic

adj. of or relating to mechanical robots; (robotics) the interdisciplinary branch of computer science and engineering with the practical use of robots

synonym: automated, mechanical, laborsaving

(1) **robotic** arm, (2) **robotic** guide operation

The surgeon removed the tumor using **robotic** video assistance.

humiliate

v. to cause someone to feel ashamed, embarrassed, or degraded, especially in public or through revealing personal information

synonym: shame, embarrass, degrade

(1) **humiliate** him publicly, (2) **humiliate** the heckler in the audience

The boss **humiliated** her employee by belittling her in front of her colleagues.

biomimetics

n. the study of natural systems and structures to create new technologies or improve existing ones

(1) **biomimetics** research, (2) **biomimetics** technology

The aircraft's design was inspired by **biomimetics** principles, which allowed for improved aerodynamics and reduced fuel consumption.

micron

n. a unit of measurement equal to one-millionth of a meter, used for measuring the size of particles and microorganisms

synonym: micrometer

(1) **micron** measurements, (2) **micron** imaging

The width of a single human hair is around 100 **microns**.

well-being

n. the state of being happy and healthy and prosperous

synonym: health, welfare, happiness

(1) the **well-being** of a nation, (2) a sense of **well-being**

We are responsible for the care and **well-being** of all our employees.

Session 2: Spelling

1. terrestrial bi_____re
n. the part of the Earth and its atmosphere in which living organisms exist, including plants, animals, and microorganisms
2. show ven_____on
n. a feeling or expression of deep respect, reverence, or admiration for someone or something, often associated with religious or spiritual devotion
3. mi____n imaging
n. a unit of measurement equal to one-millionth of a meter, used for measuring the size of particles and microorganisms
4. above the eq_____r
n. an line of latitude that separates Earth's northern and southern hemispheres and has a radius of around 40,075 kilometers (24,901 miles)
5. mat_____tic lifestyle
adj. concerned primarily with material possessions rather than spiritual or intellectual values; adhering to a philosophy that places a high value on material goods or wealth
6. ir_____te the flowers and plants
v. to supply water to land to help plants grow
7. ty_____n season
n. a tropical storm with strong winds and heavy rain, typically occurring in the western Pacific Ocean
8. a sy_____ny orchestra
n. a long musical composition in Western classical music for orchestra, usually with three or four main parts called movements

ANSWERS: 1. biosphere, 2. veneration, 3. micron, 4. equator, 5. materialistic, 6. irrigate, 7. typhoon, 8. symphony

9. am__e everyone *v.* to fill with wonder, surprise, or admiration
10. Yellowstone ge___r *n.* a natural hot spring that periodically ejects a column of boiling water and steam into the air; a device that produces a similar effect for decorative or practical purposes
11. company mo__o *n.* a phrase or slogan that expresses a guiding principle or goal
12. ev_____te almost overnight *v.* to turn a liquid into a gas; to become less intense and disappear gradually
13. eloquent dec_____on *n.* the act or art of delivering a formal or rhetorical speech, often in a loud or theatrical manner; the act of reciting or delivering a speech or poem in a highly expressive and dramatic way
14. res_____ce in popularity *n.* the return or growth of something after a period of decline or disappearance
15. uncomfortably hu__d *adj.* having a high amount of moisture or water vapor in the air; damp; muggy
16. de_____e others of profit *v.* to take away something from someone
17. road sp_____er *n.* a device that sprays water over a large area used especially for watering crops or gardens or for firefighting
18. a sense of wel_____ng *n.* the state of being happy and healthy and prosperous
19. con_____ion nuclei *n.* the process by which water vapor in the air turns into a liquid when it comes into contact with a surface that is cooler than the air; the act of making something more concise or shorter

ANSWERS: 9. amaze, 10. geyser, 11. motto, 12. evaporate, 13. declamation, 14. resurgence, 15. humid, 16. deprive, 17. sprinkler, 18. well-being, 19. condensation

20. sp_____er irrigation *n.* a device that sprays water over a large area used especially for watering crops or gardens or for firefighting
21. k_n of the person *n.* knowledge, perception, understanding, or range of sight; (verb) to be aware of or know
22. 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
23. op_____ne occasion *adj.* suitable or happening at a time that is suitable or convenient for a particular purpose
24. historic qua_____le *n.* an open square or rectangular area surrounded by buildings or walls, often found in educational institutions, monasteries, or other large buildings; a plane figure with four sides and four angles
25. ci_____te an agenda before the meeting *v.* to move continuously or freely around a place or closed system
26. earliest human an_____or *n.* a person from whom one is descended; a forefather
27. ai____y blockage *n.* the air passage from the nose and throat to the lungs; a designated route followed by airplanes flying from one airport to another
28. whistle ke____e *n.* a metal container with a lid and handle, used for boiling water or other liquids over a heat source, commonly used for making tea or cooking pasta or soup

ANSWERS: 20. sprinkler, 21. ken, 22. fungus, 23. opportune, 24. quadrangle, 25. circulate, 26. ancestor, 27. airway, 28. kettle

29. e__t air pollution *v.* to give off or send out something such as light, heat, sound, gas, etc.
30. an____or language *n.* a person from whom one is descended; a forefather
31. g__h out and won't stop *v.* to flow or pour out rapidly and in large quantities
32. de____e him of his status *v.* to take away something from someone
33. water po_____nt *n.* a substance or agent that pollutes or contaminates the environment, typically through release into the air, water, or soil
34. de____st millions of acres *v.* to clear an area of forest or trees
35. the pa____x of the heap *n.* a statement, situation, or person that has two opposite facts or features and therefore seems impossible, is difficult to understand, or is strange;
36. erupting ge____r *n.* a natural hot spring that periodically ejects a column of boiling water and steam into the air; a device that produces a similar effect for decorative or practical purposes
37. American Ne__o *n.* ("Negro" is now considered out of date and offensive) a term that was once used to refer to people of African descent, especially those living in the United States
38. mo____o blue *n.* a genus of butterflies belonging to the family Nymphalidae, known for their vibrant blue wings, primarily found in Central and South America

ANSWERS: 29. emit, 30. ancestor, 31. gush, 32. deprive, 33. pollutant, 34. deforest, 35. paradox, 36. geyser, 37. Negro, 38. morpho

39. be_____le the audience
v. to confuse someone, making them unable to think clearly or understand something
40. a natural ha_____ic quality
adj. relating to the production of sound waves with a frequency that is an integral multiple of the frequency of the original wave; having a pleasing, pleasing, or agreeable sound.
41. pay re_____ce to him
n. a deep respect for someone or something
42. bio_____cs technology
n. the study of natural systems and structures to create new technologies or improve existing ones
43. fr_____c pace
adj. marked by uncontrolled excitement or emotion; wild; frenzied
44. hyd_____ric stations
adj. relating to the generation of electricity from water power, usually by using turbines or generators powered by falling or flowing water; utilizing the energy of water to generate electricity
45. hu_____te the heckler in the audience
v. to cause someone to feel ashamed, embarrassed, or degraded, especially in public or through revealing personal information
46. g__h about my love for sports
v. to flow or pour out rapidly and in large quantities
47. mi___n measurements
n. a unit of measurement equal to one-millionth of a meter, used for measuring the size of particles and microorganisms

ANSWERS: 39. befuddle, 40. harmonic, 41. reverence, 42. biomimetics, 43. frantic, 44. hydroelectric, 45. humiliate, 46. gush, 47. micron

48. ex_____us variables *adj.* originating or coming from outside; external to a system or organism; introduced or caused by factors or substances external to the body or system being referred to
49. eva_____on cooling *n.* the process of a liquid changing into a gas or vapor, often as a result of high temperatures or reduced pressure; the gradual disappearance or dissipation of something, such as money or resources
50. fr_____l pattern *n.* a complex geometric pattern or shape that repeats itself on smaller and smaller scales, often occurring in nature or mathematical equations
51. e__t a gamma ray *v.* to give off or send out something such as light, heat, sound, gas, etc.
52. origin of the co____s *n.* another name for the universe, mainly used when it is thought of as an ordered system
53. Ne__o literature *n.* ("Negro" is now considered out of date and offensive) a term that was once used to refer to people of African descent, especially those living in the United States
54. northern hem_____re *n.* half of the terrestrial globe; half of a sphere
55. in_____us idea *adj.* showing inventiveness and ability or skill
56. mo____o wings *n.* a genus of butterflies belonging to the family Nymphalidae, known for their vibrant blue wings, primarily found in Central and South America

ANSWERS: 48. exogenous, 49. evaporation, 50. fractal, 51. emit, 52. cosmos, 53. Negro, 54. hemisphere, 55. ingenious, 56. morpho

57. ir_____te fields *v.* to supply water to land to help plants grow
58. ex_____e in anger *v.* to burst or break open violently and noisily; to cause something to burst or break open
59. imp_____le event *adj.* not likely to happen or be true; unlikely; having a low probability or chance of occurring
60. a beautiful sy_____ny *n.* a long musical composition in Western classical music for orchestra, usually with three or four main parts called movements
61. with fr_____c haste *adj.* marked by uncontrolled excitement or emotion; wild; frenzied
62. an an_____al graveyard *adj.* related to or connected with members of your family from the past
63. the wel_____ng of a nation *n.* the state of being happy and healthy and prosperous
64. de_____st a mountain *v.* to clear an area of forest or trees
65. an_____al roots *adj.* related to or connected with members of your family from the past
66. artificial bi_____re *n.* the part of the Earth and its atmosphere in which living organisms exist, including plants, animals, and microorganisms
67. solar ast_____er *n.* a physicist who studies astronomy
68. re_____ce for tradition *n.* a deep respect for someone or something

ANSWERS: 57. irrigate, 58. explode, 59. improbable, 60. symphony, 61. frantic, 62. ancestral, 63. well-being, 64. deforest, 65. ancestral, 66. biosphere, 67. astronomer, 68. reverence

69. in_____us device *adj.* showing inventiveness and ability or skill
70. ha_____ic oscillator *adj.* relating to the production of sound waves with a frequency that is an integral multiple of the frequency of the original wave; having a pleasing, pleasing, or agreeable sound.
71. an ar_____nt attitude *adj.* having or revealing an exaggerated sense of one's importance or abilities
72. ci_____te a rumor *v.* to move continuously or freely around a place or closed system
73. neutrino ast_____ics *n.* the branch of physics concerned with the study of the properties and behavior of celestial objects and the physical processes that govern the behavior and evolution of the universe
74. within my k_n *n.* knowledge, perception, understanding, or range of sight; (verb) to be aware of or know
75. en_____ne cell *adj.* relating to the glands in the body that secrete hormones directly into the bloodstream to regulate bodily functions and processes
76. en_____ne disorders *adj.* relating to the glands in the body that secrete hormones directly into the bloodstream to regulate bodily functions and processes
77. imp_____le story *adj.* not likely to happen or be true; unlikely; having a low probability or chance of occurring

ANSWERS: 69. ingenious, 70. harmonic, 71. arrogant, 72. circulate, 73. astrophysics, 74. ken, 75. endocrine, 76. endocrine, 77. improbable

78. cultural ven_____on *n.* a feeling or expression of deep respect, reverence, or admiration for someone or something, often associated with religious or spiritual devotion
79. devastating in_____o *n.* a place or condition of intense suffering, especially Hell, in traditional Christian beliefs
80. 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
81. ex_____e in popularity *v.* to burst or break open violently and noisily; to cause something to burst or break open
82. con_____ion of ideas *n.* the process by which water vapor in the air turns into a liquid when it comes into contact with a surface that is cooler than the air; the act of making something more concise or shorter
83. ma__h bird *n.* a type of land that is always wet and has soft soil; swamp or bog
84. tr_____re as expected *v.* to happen or be revealed
85. ro_____c arm *adj.* of or relating to mechanical robots; (robotics) the interdisciplinary branch of computer science and engineering with the practical use of robots
86. emotional dec_____on *n.* the act or art of delivering a formal or rhetorical speech, often in a loud or theatrical manner; the act of reciting or delivering a speech or poem in a highly expressive and dramatic way

ANSWERS: 78. veneration, 79. inferno, 80. fungus, 81. explode, 82. condensation, 83. marsh, 84. transpire, 85. robotic, 86. declamation

87. mat_____tic values *adj.* concerned primarily with material possessions rather than spiritual or intellectual values; adhering to a philosophy that places a high value on material goods or wealth
88. an op_____ne remark *adj.* suitable or happening at a time that is suitable or convenient for a particular purpose
89. electric ke____e *n.* a metal container with a lid and handle, used for boiling water or other liquids over a heat source, commonly used for making tea or cooking pasta or soup
90. hu_____te him publicly *v.* to cause someone to feel ashamed, embarrassed, or degraded, especially in public or through revealing personal information
91. cultural sop_____ion *n.* the quality or state of having a great deal of worldly experience; the quality or state of being intellectually or culturally refined
92. be_____le the mind *v.* to confuse someone, making them unable to think clearly or understand something
93. ai____y beacon *n.* the air passage from the nose and throat to the lungs; a designated route followed by airplanes flying from one airport to another
94. south of the eq____r *n.* an line of latitude that separates Earth's northern and southern hemispheres and has a radius of around 40,075 kilometers (24,901 miles)

ANSWERS: 87. materialistic, 88. opportune, 89. kettle, 90. humiliate, 91. sophistication, 92. befuddle, 93. airway, 94. equator

95. linguistic sop_____ion *n.* the quality or state of having a great deal of worldly experience; the quality or state of being intellectually or culturally refined
96. buck and d_e *n.* a mature female of mammals of which the male is called a buck, such as a deer or a rabbit
97. sto_____se supplies *n.* a large building or room used for storing goods
98. ro_____c guide operation *adj.* of or relating to mechanical robots; (robotics) the interdisciplinary branch of computer science and engineering with the practical use of robots
99. French pa_____x *n.* a statement, situation, or person that has two opposite facts or features and therefore seems impossible, is difficult to understand, or is strange;
100. amateur ast_____er *n.* a physicist who studies astronomy
101. bio_____cs research *n.* the study of natural systems and structures to create new technologies or improve existing ones
102. tr_____e down his feelings *v.* to step heavily on something or someone, causing damage or injury
103. exploration of co_____s *n.* another name for the universe, mainly used when it is thought of as an ordered system
104. fr_____l art *n.* a complex geometric pattern or shape that repeats itself on smaller and smaller scales, often occurring in nature or mathematical equations

ANSWERS: 95. sophistication, 96. doe, 97. storehouse, 98. robotic, 99. paradox, 100. astronomer, 101. biomimetics, 102. trample, 103. cosmos, 104. fractal

105. qua_____le courtyard *n.* an open square or rectangular area surrounded by buildings or walls, often found in educational institutions, monasteries, or other large buildings; a plane figure with four sides and four angles
106. grow ar_____nt *adj.* having or revealing an exaggerated sense of one's importance or abilities
107. nu_____e love *v.* to take care of, feed, and protect someone or something while they are growing and developing
108. noxious po_____nt *n.* a substance or agent that pollutes or contaminates the environment, typically through release into the air, water, or soil
109. volcanic ma__a *n.* molten rock that is located beneath the earth's surface and can solidify to form igneous rock
110. ast_____ics research *n.* the branch of physics concerned with the study of the properties and behavior of celestial objects and the physical processes that govern the behavior and evolution of the universe
111. ev_____te the water *v.* to turn a liquid into a gas; to become less intense and disappear gradually
112. hyd_____ric dam *adj.* relating to the generation of electricity from water power, usually by using turbines or generators powered by falling or flowing water; utilizing the energy of water to generate electricity

ANSWERS: 105. quadrangle, 106. arrogant, 107. nurture, 108. pollutant, 109. magma, 110. astrophysics, 111. evaporate, 112. hydroelectric

113. ant_____nt behavior *n.* a substance that inhibits oxidation, especially one used to counteract the deterioration of stored food products
114. hu__d climate *adj.* having a high amount of moisture or water vapor in the air; damp; muggy
115. nu_____e his talents *v.* to take care of, feed, and protect someone or something while they are growing and developing
116. super ty_____n *n.* a tropical storm with strong winds and heavy rain, typically occurring in the western Pacific Ocean
117. maintain the pr_____ne condition *adj.* new and completely free from dirt or contamination
118. river-delta ma__h *n.* a type of land that is always wet and has soft soil; swamp or bog
119. res_____ce of exports *n.* the return or growth of something after a period of decline or disappearance
120. slow eva_____on *n.* the process of a liquid changing into a gas or vapor, often as a result of high temperatures or reduced pressure; the gradual disappearance or dissipation of something, such as money or resources
121. am__e and entertain visitors *v.* to fill with wonder, surprise, or admiration
122. pr_____ne beach *adj.* new and completely free from dirt or contamination
123. ma__a flow *n.* molten rock that is located beneath the earth's surface and can solidify to form igneous rock

ANSWERS: 113. antioxidant, 114. humid, 115. nurture, 116. typhoon, 117. pristine, 118. marsh, 119. resurgence, 120. evaporation, 121. amaze, 122. pristine, 123. magma

124. sto_____se inventory *n.* a large building or room used for storing goods
125. a raging in_____o *n.* a place or condition of intense suffering, especially Hell, in traditional Christian beliefs
126. tr_____re in the news *v.* to happen or be revealed
127. tr_____e on the rights *v.* to step heavily on something or someone, causing damage or injury
128. d_e rabbit *n.* a mature female of mammals of which the male is called a buck, such as a deer or a rabbit
129. the mo__o for safe traffic *n.* a phrase or slogan that expresses a guiding principle or goal
130. high levels of ant_____nts *n.* a substance that inhibits oxidation, especially one used to counteract the deterioration of stored food products
131. ex_____us shocks *adj.* originating or coming from outside; external to a system or organism; introduced or caused by factors or substances external to the body or system being referred to
132. cerebral hem_____re *n.* half of the terrestrial globe; half of a sphere

ANSWERS: 124. storehouse, 125. inferno, 126. transpire, 127. trample, 128. doe, 129. motto, 130. antioxidant, 131. exogenous, 132. hemisphere

Session 3: Fill in the Blanks

1. My remote _____ immigrated to the United States from Ireland in the 1800s.
n. a person from whom one is descended; a forefather
2. The religious ceremony was filled with _____ for the deity.
n. a feeling or expression of deep respect, reverence, or admiration for someone or something, often associated with religious or spiritual devotion
3. The patient was given an _____ supplement to boost their immune system.
adj. originating or coming from outside; external to a system or organism; introduced or caused by factors or substances external to the body or system being referred to
4. The _____ hot water generates electricity for nearby towns and cities.
n. a natural hot spring that periodically ejects a column of boiling water and steam into the air; a device that produces a similar effect for decorative or practical purposes
5. The formation of clouds is facilitated by the process of _____ and condensation
n. the process of a liquid changing into a gas or vapor, often as a result of high temperatures or reduced pressure; the gradual disappearance or dissipation of something, such as money or resources
6. The complex instructions _____ me, and I had trouble deciding what to do next.
v. to confuse someone, making them unable to think clearly or understand something

ANSWERS: 1. ancestor, 2. veneration, 3. exogenous, 4. geyser's, 5. evaporation, 6. befuddled

7. The _____ system kept the lawn green and healthy.
- n.* a device that sprays water over a large area used especially for watering crops or gardens or for firefighting
8. Fruits and vegetables are good sources of _____.
- n.* a substance that inhibits oxidation, especially one used to counteract the deterioration of stored food products
9. Hunters use a whistle that makes the ____ sound to lure stags.
- n.* a mature female of mammals of which the male is called a buck, such as a deer or a rabbit
10. It is _____ that we will find a solution to this problem overnight.
- adj.* not likely to happen or be true; unlikely; having a low probability or chance of occurring
11. The politician's powerful _____ energized the crowd and inspired action.
- n.* the act or art of delivering a formal or rhetorical speech, often in a loud or theatrical manner; the act of reciting or delivering a speech or poem in a highly expressive and dramatic way
12. The balance of the _____ is crucial for the survival of species.
- n.* the part of the Earth and its atmosphere in which living organisms exist, including plants, animals, and microorganisms
13. The _____ system regulates many bodily functions, including metabolism and growth.
- adj.* relating to the glands in the body that secrete hormones directly into the bloodstream to regulate bodily functions and processes

ANSWERS: 7. sprinkler, 8. antioxidants, 9. doe, 10. improbable, 11. declamation, 12. biosphere, 13. endocrine

14. The air was so _____ that my clothes felt damp.
adj. having a high amount of moisture or water vapor in the air; damp; muggy
15. The boss _____ her employee by belittling her in front of her colleagues.
v. to cause someone to feel ashamed, embarrassed, or degraded, especially in public or through revealing personal information
16. The new technology added a level of _____ to the manufacturing process.
n. the quality or state of having a great deal of worldly experience; the quality or state of being intellectually or culturally refined
17. The company's _____ is "Innovation and Service," which is reflected in its products and customer support.
n. a phrase or slogan that expresses a guiding principle or goal
18. The building was consumed by an _____ reducing it to ashes.
n. a place or condition of intense suffering, especially Hell, in traditional Christian beliefs
19. Environmentalists are concerned about the harm to the _____.
n. a type of land that is always wet and has soft soil; swamp or bog
20. This question has fascinated solar _____ for decades.
n. a physicist who studies astronomy
21. It finally _____ that an employee had stolen the missing money.
v. to happen or be revealed

ANSWERS: 14. humid, 15. humiliated, 16. sophistication, 17. motto, 18. inferno, 19. marsh, 20. astronomers, 21. transpired

22. The _____ on the window was a clear sign of the high humidity.
n. the process by which water vapor in the air turns into a liquid when it comes into contact with a surface that is cooler than the air; the act of making something more concise or shorter
23. The phone rang at the most _____ time.
adj. suitable or happening at a time that is suitable or convenient for a particular purpose
24. The fan _____ the air in the room quickly.
v. to move continuously or freely around a place or closed system
25. He was so _____ that he thought he was always right.
adj. having or revealing an exaggerated sense of one's importance or abilities
26. A supertanker continues to _____ oil off the coast of Spain.
v. to flow or pour out rapidly and in large quantities
27. The sun will _____ the mist.
v. to turn a liquid into a gas; to become less intense and disappear gradually
28. He was _____ of his freedom when sentenced to life in prison.
v. to take away something from someone
29. The _____ on the stove started to whistle, signaling that the water was boiling.
n. a metal container with a lid and handle, used for boiling water or other liquids over a heat source, commonly used for making tea or cooking pasta or soup
30. The factory's use of chemicals has made it a significant _____ in the area.
n. a substance or agent that pollutes or contaminates the environment, typically through release into the air, water, or soil

ANSWERS: 22. condensation, 23. opportune, 24. circulates, 25. arrogant, 26. gush, 27. evaporate, 28. deprived, 29. kettle, 30. pollutant

31. During the unloading, the container box _____ a clicking sound.
v. to give off or send out something such as light, heat, sound, gas, etc.
32. The width of a single human hair is around 100 _____.
n. a unit of measurement equal to one-millionth of a meter, used for measuring the size of particles and microorganisms
33. We are responsible for the care and _____ of all our employees.
n. the state of being happy and healthy and prosperous
34. Some people believe that the pursuit of wealth is a _____ goal.
adj. concerned primarily with material possessions rather than spiritual or intellectual values; adhering to a philosophy that places a high value on material goods or wealth
35. The _____ home has been in the family for generations.
adj. related to or connected with members of your family from the past
36. 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
37. It is terrific to camp in _____ nature.
adj. new and completely free from dirt or contamination
38. The coastline of Norway is one of the most famous examples of _____ geometry in nature.
n. a complex geometric pattern or shape that repeats itself on smaller and smaller scales, often occurring in nature or mathematical equations

ANSWERS: 31. emits, 32. microns, 33. well-being, 34. materialistic, 35. ancestral, 36. fungus, 37. pristine, 38. fractal

39. They developed _____ blues with a lively rhythm.
- n.* ("Negro" is now considered out of date and offensive) a term that was once used to refer to people of African descent, especially those living in the United States
40. The surgeon removed the tumor using _____ video assistance.
- adj.* of or relating to mechanical robots; (robotics) the interdisciplinary branch of computer science and engineering with the practical use of robots
41. 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
42. The plants in this garden are precious, so you must not _____ them.
- v.* to step heavily on something or someone, causing damage or injury
43. _____ chambers are large underground reservoirs where molten rock is stored before an eruption.
- n.* molten rock that is located beneath the earth's surface and can solidify to form igneous rock
44. Schools should _____ children's mutual interest spirit.
- v.* to take care of, feed, and protect someone or something while they are growing and developing
45. The security of a _____ is essential to prevent theft or damage to the stored items.
- n.* a large building or room used for storing goods
46. The old building _____ in a fiery inferno.
- v.* to burst or break open violently and noisily; to cause something to burst or break open

ANSWERS: 39. Negro, 40. robotic, 41. symphony, 42. trample, 43. Magma, 44. nurture, 45. storehouse, 46. exploded

47. The aircraft's design was inspired by _____ principles, which allowed for improved aerodynamics and reduced fuel consumption.
- n.* the study of natural systems and structures to create new technologies or improve existing ones
48. I always look forward to reading his stories since they're so _____.
- adj.* showing inventiveness and ability or skill
49. He had a good ____ of the city and could easily find his way around.
- n.* knowledge, perception, understanding, or range of sight; (verb) to be aware of or know
50. The water shortage in the region has made it difficult for farmers to _____ their crops.
- v.* to supply water to land to help plants grow
51. When performing lifesaving, the first step is to secure the _____.
- n.* the air passage from the nose and throat to the lungs; a designated route followed by airplanes flying from one airport to another
52. The company planned to _____ a large rainforest area to make way for a new plantation.
- v.* to clear an area of forest or trees
53. This weather pattern is unique to the southern _____.
- n.* half of the terrestrial globe; half of a sphere
54. The people of the village showed great _____ for the elderly.
- n.* a deep respect for someone or something

ANSWERS: 47. biomimetics, 48. ingenious, 49. ken, 50. irrigate, 51. airway, 52. deforest, 53. hemisphere, 54. reverence

55. The magician's tricks _____ the audience.

- v.* to fill with wonder, surprise, or admiration

56. The town decided to convert its power source to _____ energy.

- adj.* relating to the generation of electricity from water power, usually by using turbines or generators powered by falling or flowing water; utilizing the energy of water to generate electricity

57. After years of decline, the city is experiencing a _____ in economic growth.

- n.* the return or growth of something after a period of decline or disappearance

58. He was studying _____ in an attempt to understand the origins of the universe.

- n.* the branch of physics concerned with the study of the properties and behavior of celestial objects and the physical processes that govern the behavior and evolution of the universe

59. There are many theories to explain this _____.

- n.* a statement, situation, or person that has two opposite facts or features and therefore seems impossible, is difficult to understand, or is strange;

60. Many families were forced to evacuate their homes due to the _____ severity.

- n.* a tropical storm with strong winds and heavy rain, typically occurring in the western Pacific Ocean

61. Ecuador is on the _____.

- n.* an line of latitude that separates Earth's northern and southern hemispheres and has a radius of around 40,075 kilometers (24,901 miles)

ANSWERS: 55. amazed, 56. hydroelectric, 57. resurgence, 58. astrophysics, 59. paradox, 60. typhoon's, 61. equator

62. The violin's sound was so pure and _____ that it gave me chills.

adj. relating to the production of sound waves with a frequency that is an integral multiple of the frequency of the original wave; having a pleasing, pleasing, or agreeable sound.

63. During winter, the _____ square becomes picturesque with snow-covered paths and trees.

n. an open square or rectangular area surrounded by buildings or walls, often found in educational institutions, monasteries, or other large buildings; a plane figure with four sides and four angles

64. The _____ butterfly is known for its vibrant blue wings.

n. a genus of butterflies belonging to the family Nymphalidae, known for their vibrant blue wings, primarily found in Central and South America

65. Supercomputers enable scientists to create computational models of the _____.

n. another name for the universe, mainly used when it is thought of as an ordered system

66. The mother was _____ as she searched for her lost child.

adj. marked by uncontrolled excitement or emotion; wild; frenzied

ANSWERS: 62. harmonic, 63. quadrangle, 64. morpho, 65. cosmos, 66. frantic