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Vocabulary Builder Reference from...

Jessica Green: Are we filtering the wrong microbes? |

TED Talk

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

All Words

IMPORTANT

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Session 1: Word List

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.

develop

v. to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created

synonym: evolve, progress, advance

(1) **develop** a strategy, (2) **develop** a skill

We must **develop** a new system to streamline our workflow and increase efficiency.

indoor

adj. located, happened, or used inside a building

(1) an **indoor** pool, (2) designed for **indoor** use

Table tennis is an **indoor** sport.

trillion

n. the number 1,000,000,000,000; a million million

(1) **trillion** cubic feet, (2) many **trillions** of dollars

One light year is nearly 6 **trillion** miles.

invisible

adj. impossible or nearly impossible to see

synonym : hidden, imperceptible, unseen

(1) an **invisible** asset, (2) **invisible** stars

The phenomenon is **invisible** at optical wavelengths.

microorganism

n. a very small living thing that may exist in its single-celled form or as a colony of cells and is too small to be seen without a microscope

synonym : germ, microbe, bacterium

(1) pathogenic **microorganism**, (2) **microorganisms** in his gut

This **microorganism** is a producer of respiratory disease.

complexity

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

synonym : intricacy, sophistication, elaboration

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

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

ecosystem

n. all the plants and living creatures in an area and the way they affect each other and the environment

(1) marine **ecosystem**, (2) change the **ecosystem**

Human conservation efforts often fail unexpectedly because they disturb the balance of the **ecosystem**.

microbe

n. a tiny living thing that can only be seen with a microscope and that may cause disease

synonym : germ, microorganism, bacterium

(1) pathogenic **microbe**, (2) **microbes** sterilizer

Microbes thrive on the surface of the human skin.

determinant

n. a factor, circumstance, or condition that contributes to the shaping, influencing, or determining of a particular outcome or result

synonym : cause, factor, element

(1) environmental **determinant**, (2) a **determinant** of crop yields

One **determinant** of success is having a positive attitude and a strong work ethic.

distribute

v. to give something to a large number of individuals, or to spread or furnish something

synonym : broadcast, disperse, hand out

(1) **distribute** wealth evenly, (2) **distribute** video content

His estate was **distributed** to his sons.

colon

n. the punctuation mark (:) used to introduce a list, summary, explanation, etc., or before reporting what someone has said; a significant part of the large intestine, the final section of the digestive system

(1) **colon** examination, (2) the **colon** at the end of the sentence

Consumption of vegetables may aid in the prevention of **colon** cancer.

airborne

adj. moved or conveyed by or through the air; in the air

synonym : flying, aerial, floating

(1) **airborne** troop, (2) **airborne** particles

The amount of **airborne** pollen this year is higher than usual.

mechanical

adj. operated by a machine, relating to or concerned with machinery or tools

synonym : machinelike, automated, automatic

(1) a **mechanical** style of writing, (2) the influence of **mechanical** action

A **mechanical** engineer is still in demand in many companies.

ventilation

n. the provision of fresh air, especially to a room or building

synonym : air circulation, aeration, airing

(1) **ventilation** system, (2) hyper- **ventilation** syndrome
The **ventilation** system in the building needed to be replaced.

creature

n. a living being, especially an animal

synonym: being, animal, organism

(1) **creature** of habit, (2) artificial **creature**

The deep sea **creature** was unlike anything the scientists had ever seen before.

interaction

n. the act of connecting with someone, mainly when working, playing, or spending time with them

synonym: dealings, exchange, relations

(1) the **interaction** between man and his environment,

(2) **interaction** among human beings

The **interaction** of the two groups is good for brainstorming.

environment

n. the natural world such as air, water, and land in which humans, animals, and plants live

synonym: atmosphere, surroundings, climate

(1) **environment** affairs, (2) chaotic **environment**

Every human is responsible for taking care of the Earth's **environment**.

architect

n. a person whose job is to design plans to be used in making something, such as buildings

synonym: creator, designer, planner

(1) landscape **architect**, (2) **architect** of the peace accord

The building **architect** tried to build the house above the tree.

biology

n. the scientific study of life and the natural processes of living things

(1) evolutionary **biology**, (2) cell and molecular **biology**

In junior high school, we had to dissect a frog in **biology** class.

extraordinary

adj. exceptional, unexpected, very unusual; surpassing the ordinary or usual

synonym : exceptional, noteworthy, astonishing

(1) **extraordinary** ability, (2) **extraordinary** weather

He narrated the **extraordinary** story of his adventure.

filter

n. any of several types of equipment or systems used to separate particles from liquids or gases or to remove specific forms of light

synonym : strainer

(1) gas **filter**, (2) clogged **filter**

Ozone is a primary **filter** to protect Earth's surface from harmful UV rays.

ventilate

v. to supply fresh air to a room, building, etc.; to remove stale air from it

synonym : air out, circulate, freshen

(1) **ventilate** my opinion, (2) **ventilate** air

It's important to **ventilate** the room to avoid the buildup of harmful gases.

naturally

adv. as might be expected; by natural manners

synonym : by nature, inherently, intrinsically

(1) **naturally** arising, (2) **naturally** regenerated forest

He was **naturally** gifted.

pry

v. to force open or to try to get information from someone by asking too many questions

synonym : probe, investigate, inquire

(1) **pry** a secret out of a person, (2) **pry** into the affairs

He used a crowbar to **pry** open the locked door.

outdo

v. to do better than someone; to surpass

synonym : excel, surpass, outshine

(1) **outdo** him in trickery, (2) **outdo** the competition

He tried to **outdo** his rival by breaking the world record.

axis

n. a real or imaginary straight line through a body or figure around which the object turns; a group of countries in special alliance

synonym : central, core, pole

(1) vertical **axis**, (2) a coordinate **axis**

The earth's **axis** of rotation is tilted 66.5 degrees to the ecliptic plane.

graph

n. a picture consisting of a line, lines, points, etc., that shows how two or more sets of certain quantities are related to each other

synonym : chart, diagram, figure

(1) **graph** theory, (2) a **graph** sample

This bar **graph** shows sales over the past five years.

outdoors

adv. in or into the open air; outside a building or structure

synonym : outside, al fresco, in the open air

(1) exhausted **outdoors**, (2) sleep **outdoors**

She loves to hike **outdoors** and explore nature.

accomplished

adj. having completed a task or achieved a goal successfully; skilled or proficient at something

synonym : achieved, finished, completed

(1) **accomplished** at a very early age, (2) **accomplished** goal

She felt **accomplished** after finishing her book.

diversity

n. the quality or fact of many different types of things or people being included in something; a range of different things or people

synonym : variety, multiplicity, variousness

(1) the **diversity** policy of the university, (2) lingual **diversity**

He was impressed by the range and **diversity** of the collection.

diverse

adj. including numerous categories of individuals or entities; various

synonym : manifold, various, myriad

(1) **diverse** backgrounds, (2) a person of **diverse** talents
New York is a city with a **diverse** ethnic population.

necessarily

adv. in an essential manner; in such a way as could not be otherwise

synonym : inevitable, certainly, automatically

(1) not **necessarily** a problem, (2) **necessarily** true
This accident was something that happened **necessarily**.

probabilistic

adj. characterized by the influence of chance or probability; involving the use of statistical models or methods to estimate likelihoods or risks

synonym : probable, statistical, likely

(1) **probabilistic** model, (2) **probabilistic** approach
In a **probabilistic** system, the outcome is uncertain and can vary based on chance.

encounter

v. to face something, particularly something unpleasant or difficult, while attempting to do something else; to meet, especially unexpectedly

synonym : meet, run into, come across

(1) **encounter** a crisis, (2) **encounter** a storm
I'm prepared to **encounter** challenges throughout this adventure.

pathogen

n. a bacterium, virus, or other microorganism that causes disease

synonym : germ, microbe, bacterium

(1) plant **pathogen**, (2) the **pathogen** in the air
mRNA vaccines are approved faster because they do not contain inactivated **pathogens**.

germ

n. a very tiny living that causes the disease; a piece of something such as an organism, concept, etc., capable of growing into a new one or part of one

synonym : bacterium, microbe, pathogen

(1) antibiotic-resistant **germ**, (2) a **germ-free** environment
The **germ** of his idea came from watching birds flying in flocks.

ordination

n. the act or process of officially appointing or conferring authority upon someone, particularly in a religious context; the ceremony or ritual by which someone is formally invested with the power or status of a clergy member or religious leader

synonym: appointment, consecration, induction

(1) **ordination** service, (2) ministerial **ordination**

The priest's **ordination** ceremony was a significant event for the entire congregation.

diagram

n. a simplified illustration of the appearance, structure, or workings of something

synonym: chart, figure, graph

(1) 3D **diagram**, (2) in a **diagram**

He is drawing a **diagram** illustrating how the equipment operates.

statistics

n. the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data

(1) **statistics** for cancer, (2) official **statistics**

The **statistics** demonstrate that poverty and unemployment are genuine problems.

relate

v. to establish a connection or association between two or more things; to narrate or tell about an event, experience, or relationship; to empathize or feel sympathy with someone or something

synonym: connect, link, associate

(1) **relate** a story, (2) **relate** a message

He tried to **relate** his experience to the group, but they couldn't understand.

communal

adj. belonging to or used by a group rather than individuals; for common use

synonym: collaborative, combined, collective

(1) **communal** swimming pool, (2) **communal** combination of funds

Communal elections were held in several European countries.

subset

n. a set of things that are contained within another larger set; a portion or division of a group or category

synonym: subcategory, subdivision

(1) proper **subset**, (2) **subset** selection

A **subset** of the employees will be trained in the new software program.

associate

v. to mentally connect someone or something with someone or something else

synonym: tie in, link, consociate

(1) **associate** alcohol with gambling, (2) **associate** with people widely

The majority of consumers **associate** this brand with quality.

spit

v. to eject saliva or other liquid from the mouth

synonym: expectorate, saliva, spew

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

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

constantly

adv. all the time

synonym: continuously, always, frequently

(1) a **constantly** innovative enterprise, (2) a **constantly** varying mind

The mobile application industry is **constantly** changing.

shed

v. to get rid of something as superfluous or unwanted; to cast off hair, skin, horn, or feathers; (noun) an outbuilding with a single story, mainly used for shelter or storage

synonym : discard, drop, cast off

(1) **shed** an old skin, (2) a cow **shed**

He **shed** a secret tear when he heard the news of his friend's death.

dirt

n. soil, dust, or any substance that makes a surface not clean; the part of the earth's surface consisting of humus and disintegrated rock

synonym : filth, grime, muck

(1) **dirt** road, (2) **dirt** track

The garden was filled with **dirt** and needed to be tilled before planting.

industrious

adj. hardworking, diligent, and persistent in effort

synonym : diligent, hardworking, assiduous

(1) **industrious** worker, (2) **industrious** student

He was known to be very **industrious** and would often work late into the night.

intensive

adj. involving a lot of work or activity in a short time

synonym : thorough, comprehensive, in-depth

(1) **intensive** agriculture, (2) **intensive** care

The construction industry is labor **intensive**, although it has been somewhat automated by introducing large machinery.

nosocomial

adj. refers to an infection or illness that is acquired or contracted during a stay at a hospital or other healthcare facility, also known as a hospital-acquired infection

synonym : hospital-acquired, healthcare-associated

(1) **nosocomial** bacteria, (2) **nosocomial** transmission

The hospital implemented strict guidelines to prevent **nosocomial** infections acquired during a hospital stay.

infection

n. a condition in which pathogenic microorganisms or viruses have entered the body

synonym : contagion, disease, transmission

(1) a bacterial **infection**, (2) treat the **infection** with antibiotics

Hospitals must meet various standards to prevent nosocomial **infections**.

acquire

v. to buy or obtain something such as an asset, object, knowledge, etc., for oneself

synonym: attain, earn, catch

(1) **acquire** knowledge, (2) **acquire** a new company

Children **acquire** language at a fantastic rate.

clue

n. an object, a piece of evidence, or some information that helps someone to find the answer to a problem, question, or mystery

synonym: hint, indication, inkling

(1) a **clue** about the crime, (2) a **clue** to the diagnosis

The police couldn't find a **clue** to her whereabouts.

reconsider

v. to think about a decision or opinion again to

synonym: rethink, review, revisit

(1) **reconsider** the determination, (2) **reconsider** my transfer

He humbly **reconsidered** his conduct.

nation

n. a large organized community of people living in a particular country or region and having a particular culture

synonym: country, state, sovereign entity

(1) **nation-state**, (2) a seafaring **nation**

The **nation** of Japan is known for its unique culture and advanced technology.

promote

v. to encourage or persuade people to like, buy, use, do, or support something; to raise someone to a higher position or rank

synonym: boost, raise, advertise

(1) **promote** a better relationship, (2) **promote** bad behavior

The government should do more to **promote** sustainable agribusiness.

inhibit

v. to prevent something, such as an action, process, etc., from happening or make it less likely to happen than normal

synonym: deter, hinder, impede

(1) **inhibit** desires, (2) **inhibit** tumor growth

Excessive parental interference may **inhibit** children's eagerness to learn.

framework

n. the structural components of a building or object that support its weight and give it form; the underlying structure of a system, concept, or text

synonym: structure, scheme, foundation

(1) legal **framework**, (2) the **framework** of a house

He devised a new analytical **framework** to capture the phenomenon.

gut

n. the long tube in the body of a person or animal through which food passes when it leaves the stomach; the mental strength or bravery required to do something difficult or unpleasant

synonym: belly, abdomen, courage

(1) the blind **gut**, (2) **gut** feelings

He told me a **gut-wrenching** truth about my parent's death.

probiotic

n. a substance, typically a live bacterium, that is ingested to provide health benefits, particularly in aiding digestion or strengthening the immune system

synonym: probiotic bacteria, beneficial bacteria, microflora

(1) **probiotic** supplement, (2) **probiotic** yogurt

Probiotic-rich foods, such as kefir and sauerkraut, can improve digestive health.

flora

n. all the plants in a particular region or time, typically regarded as a whole

synonym : vegetation, plants, greenery

(1) bowel **flora**, (2) aquatic **flora**

The Amazon rainforest is home to a diverse **flora** of plant species.

ultimate

adj. furthest or highest in degree or order

synonym : highest, maximum, foremost

(1) the **ultimate** goal in life, (2) the **ultimate** luxury

Management must take **ultimate** responsibility for the accident.

concept

n. an idea or principle associated with something abstract

synonym : idea, notion, vision

(1) learn new **concepts**, (2) **concept** car

One such rapidly growing **concept** is quantum cryptography.

Session 2: Spelling

- | | | |
|---|------|--|
| 1. ac____e knowledge | v. | to buy or obtain something such as an asset, object, knowledge, etc., for oneself |
| 2. landscape ar_____ct | n. | a person whose job is to design plans to be used in making something, such as buildings |
| 3. cognitive com_____ty | n. | the state or quality of being complicated or intricate and difficult to understand |
| 4. in_____le stars | adj. | impossible or nearly impossible to see |
| 5. treat the in_____on with antibiotics | n. | a condition in which pathogenic microorganisms or viruses have entered the body |
| 6. ext_____ary ability | adj. | exceptional, unexpected, very unusual; surpassing the ordinary or usual |
| 7. the di_____ty policy of the university | n. | the quality or fact of many different types of things or people being included in something; a range of different things or people |
| 8. a det_____nt of crop yields | n. | a factor, circumstance, or condition that contributes to the shaping, influencing, or determining of a particular outcome or result |
| 9. mi_____es sterilizer | n. | a tiny living thing that can only be seen with a microscope and that may cause disease |
| 10. co__n examination | n. | the punctuation mark (:) used to introduce a list, summary, explanation, etc., or before reporting what someone has said; a significant part of the large intestine, the final section of the digestive system |

ANSWERS: 1. acquire, 2. architect, 3. complexity, 4. invisible, 5. infection, 6. extraordinary, 7. diversity, 8. determinant, 9. microbe, 10. colon

11. a c__e about the crime *n.* an object, a piece of evidence, or some information that helps someone to find the answer to a problem, question, or mystery
12. p_y into the affairs *v.* to force open or to try to get information from someone by asking too many questions
13. g_t feelings *n.* the long tube in the body of a person or animal through which food passes when it leaves the stomach; the mental strength or bravery required to do something difficult or unpleasant
14. the ul____te luxury *adj.* furthest or highest in degree or order
15. environmental det____nt *n.* a factor, circumstance, or condition that contributes to the shaping, influencing, or determining of a particular outcome or result
16. ext____ary weather *adj.* exceptional, unexpected, very unusual; surpassing the ordinary or usual
17. the co__n at the end of the sentence *n.* the punctuation mark (:) used to introduce a list, summary, explanation, etc., or before reporting what someone has said; a significant part of the large intestine, the final section of the digestive system
18. legal fr____rk *n.* the structural components of a building or object that support its weight and give it form; the underlying structure of a system, concept, or text

ANSWERS: 11. clue, 12. pry, 13. gut, 14. ultimate, 15. determinant, 16. extraordinary, 17. colon, 18. framework

19. an in___r pool *adj.* located, happened, or used inside a building
20. ord_____on service *n.* the act or process of officially appointing or conferring authority upon someone, particularly in a religious context; the ceremony or ritual by which someone is formally invested with the power or status of a clergy member or religious leader
21. co_____al swimming pool *adj.* belonging to or used by a group rather than individuals; for common use
22. ven_____on system *n.* the provision of fresh air, especially to a room or building
23. int_____on among human beings *n.* the act of connecting with someone, mainly when working, playing, or spending time with them
24. de_____p a skill *v.* to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created
25. pr_____e bad behavior *v.* to encourage or persuade people to like, buy, use, do, or support something; to raise someone to a higher position or rank
26. as_____te with people widely *v.* to mentally connect someone or something with someone or something else
27. in_____t tumor growth *v.* to prevent something, such as an action, process, etc., from happening or make it less likely to happen than normal

ANSWERS: 19. indoor, 20. ordination, 21. communal, 22. ventilation, 23. interaction, 24. develop, 25. promote, 26. associate, 27. inhibit

28. bowel fl__a *n.* all the plants in a particular region or time, typically regarded as a whole
29. en_____er a crisis *v.* to face something, particularly something unpleasant or difficult, while attempting to do something else; to meet, especially unexpectedly
30. a con_____ly innovative enterprise *adv.* all the time
31. ministerial ord_____on *n.* the act or process of officially appointing or conferring authority upon someone, particularly in a religious context; the ceremony or ritual by which someone is formally invested with the power or status of a clergy member or religious leader
32. su___t selection *n.* a set of things that are contained within another larger set; a portion or division of a group or category
33. dis_____te video content *v.* to give something to a large number of individuals, or to spread or furnish something
34. cr_____re of habit *n.* a living being, especially an animal
35. designed for in___r use *adj.* located, happened, or used inside a building
36. a g__m-free environment *n.* a very tiny living that causes the disease; a piece of something such as an organism, concept, etc., capable of growing into a new one or part of one
37. the blind g_t *n.* the long tube in the body of a person or animal through which food passes when it leaves the stomach; the mental strength or bravery required to do something difficult or unpleasant

ANSWERS: 28. flora, 29. encounter, 30. constantly, 31. ordination, 32. subset, 33. distribute, 34. creature, 35. indoor, 36. germ, 37. gut

38. hu____g bird *adj.* producing a continuous, low, vibrating sound like that of the bee
39. artificial cr____re *n.* a living being, especially an animal
40. pro____tic model *adj.* characterized by the influence of chance or probability; involving the use of statistical models or methods to estimate likelihoods or risks
41. sta____cs for cancer *n.* the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data
42. in____ve agriculture *adj.* involving a lot of work or activity in a short time
43. many tr____ons of dollars *n.* the number 1,000,000,000,000; a million million
44. d__t track *n.* soil, dust, or any substance that makes a surface not clean; the part of the earth's surface consisting of humus and disintegrated rock
45. acc____hed at a very early age *adj.* having completed a task or achieved a goal successfully; skilled or proficient at something
46. proper su____t *n.* a set of things that are contained within another larger set; a portion or division of a group or category
47. en____er a storm *v.* to face something, particularly something unpleasant or difficult, while attempting to do something else; to meet, especially unexpectedly
48. ac____e a new company *v.* to buy or obtain something such as an asset, object, knowledge, etc., for oneself

ANSWERS: 38. humming, 39. creature, 40. probabilistic, 41. statistics, 42. intensive, 43. trillion, 44. dirt, 45. accomplished, 46. subset, 47. encounter, 48. acquire

49. s__t a bullet *v.* to eject saliva or other liquid from the mouth
50. learn new co_____ts *n.* an idea or principle associated with something abstract
51. ve_____te air *v.* to supply fresh air to a room, building, etc.; to remove stale air from it
52. de_____p a strategy *v.* to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created
53. pathogenic mic_____ism *n.* a very small living thing that may exist in its single-celled form or as a colony of cells and is too small to be seen without a microscope
54. rec_____er my transfer *v.* to think about a decision or opinion again to
55. not nec_____ly a problem *adv.* in an essential manner; in such a way as could not be otherwise
56. nos_____al bacteria *adj.* refers to an infection or illness that is acquired or contracted during a stay at a hospital or other healthcare facility, also known as a hospital-acquired infection
57. com_____ty theory *n.* the state or quality of being complicated or intricate and difficult to understand
58. ind_____us student *adj.* hardworking, diligent, and persistent in effort

ANSWERS: 49. spit, 50. concept, 51. ventilate, 52. develop, 53. microorganism, 54. reconsider, 55. necessarily, 56. nosocomial, 57. complexity, 58. industrious

59. co____al combination of funds *adj.* belonging to or used by a group rather than individuals; for common use
60. the ul____te goal in life *adj.* furthest or highest in degree or order
61. 3D di____m *n.* a simplified illustration of the appearance, structure, or workings of something
62. d__t road *n.* soil, dust, or any substance that makes a surface not clean; the part of the earth's surface consisting of humus and disintegrated rock
63. exhausted ou____rs *adv.* in or into the open air; outside a building or structure
64. hyper-ven____on syndrome *n.* the provision of fresh air, especially to a room or building
65. pathogenic mi____e *n.* a tiny living thing that can only be seen with a microscope and that may cause disease
66. p_y a secret out of a person *v.* to force open or to try to get information from someone by asking too many questions
67. hu____g sound *adj.* producing a continuous, low, vibrating sound like that of the bee
68. the influence of mec____al action *adj.* operated by a machine, relating to or concerned with machinery or tools
69. a gr__h sample *n.* a picture consisting of a line, lines, points, etc., that shows how two or more sets of certain quantities are related to each other

ANSWERS: 59. communal, 60. ultimate, 61. diagram, 62. dirt, 63. outdoors, 64. ventilation, 65. microbe, 66. pry, 67. humming, 68. mechanical, 69. graph

70. the int_____on between man and his environment *n.* the act of connecting with someone, mainly when working, playing, or spending time with them
71. the pa_____en in the air *n.* a bacterium, virus, or other microorganism that causes disease
72. an in_____le asset *adj.* impossible or nearly impossible to see
73. in_____t desires *v.* to prevent something, such as an action, process, etc., from happening or make it less likely to happen than normal
74. acc_____hed goal *adj.* having completed a task or achieved a goal successfully; skilled or proficient at something
75. vertical a__s *n.* a real or imaginary straight line through a body or figure around which the object turns; a group of countries in special alliance
76. official sta_____cs *n.* the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data
77. s__t a mouthful of saliva *v.* to eject saliva or other liquid from the mouth
78. clogged fi____r *n.* any of several types of equipment or systems used to separate particles from liquids or gases or to remove specific forms of light
79. nos_____al transmission *adj.* refers to an infection or illness that is acquired or contracted during a stay at a hospital or other healthcare facility, also known as a hospital-acquired infection

ANSWERS: 70. interaction, 71. pathogen, 72. invisible, 73. inhibit, 74. accomplished, 75. axis, 76. statistics, 77. spit, 78. filter, 79. nosocomial

80. na_____ly arising *adv.* as might be expected; by natural manners
81. a coordinate a__s *n.* a real or imaginary straight line through a body or figure around which the object turns; a group of countries in special alliance
82. rec_____er the determination *v.* to think about a decision or opinion again to
83. s__d an old skin *v.* to get rid of something as superfluous or unwanted; to cast off hair, skin, horn, or feathers; (noun) an outbuilding with a single story, mainly used for shelter or storage
84. ai_____ne troop *adj.* moved or conveyed by or through the air; in the air
85. ind_____us worker *adj.* hardworking, diligent, and persistent in effort
86. a con_____ly varying mind *adv.* all the time
87. the fr_____rk of a house *n.* the structural components of a building or object that support its weight and give it form; the underlying structure of a system, concept, or text
88. co_____t car *n.* an idea or principle associated with something abstract
89. chaotic env_____nt *n.* the natural world such as air, water, and land in which humans, animals, and plants live
90. plant pa_____en *n.* a bacterium, virus, or other microorganism that causes disease

ANSWERS: 80. naturally, 81. axis, 82. reconsider, 83. shed, 84. airborne, 85. industrious, 86. constantly, 87. framework, 88. concept, 89. environment, 90. pathogen

91. a seafaring na___n *n.* a large organized community of people living in a particular country or region and having a particular culture
92. na_____ly regenerated forest *adv.* as might be expected; by natural manners
93. nec_____ly true *adv.* in an essential manner; in such a way as could not be otherwise
94. pr_____ic yogurt *n.* a substance, typically a live bacterium, that is ingested to provide health benefits, particularly in aiding digestion or strengthening the immune system
95. na___n-state *n.* a large organized community of people living in a particular country or region and having a particular culture
96. re___e a message *v.* to establish a connection or association between two or more things; to narrate or tell about an event, experience, or relationship; to empathize or feel sympathy with someone or something
97. ou__o him in trickery *v.* to do better than someone; to surpass
98. sleep ou_____rs *adv.* in or into the open air; outside a building or structure
99. a bacterial in_____on *n.* a condition in which pathogenic microorganisms or viruses have entered the body
100. aquatic fl__a *n.* all the plants in a particular region or time, typically regarded as a whole
101. lingual di_____ty *n.* the quality or fact of many different types of things or people being included in something; a range of different things or people

ANSWERS: 91. nation, 92. naturally, 93. necessarily, 94. probiotic, 95. nation, 96. relate, 97. outdo, 98. outdoors, 99. infection, 100. flora, 101. diversity

102. pro_____tic approach *adj.* characterized by the influence of chance or probability; involving the use of statistical models or methods to estimate likelihoods or risks
103. as_____te alcohol with gambling *v.* to mentally connect someone or something with someone or something else
104. ve_____te my opinion *v.* to supply fresh air to a room, building, etc.; to remove stale air from it
105. di_____e backgrounds *adj.* including numerous categories of individuals or entities; various
106. change the ec_____em *n.* all the plants and living creatures in an area and the way they affect each other and the environment
107. a cow s__d *v.* to get rid of something as superfluous or unwanted; to cast off hair, skin, horn, or feathers; (noun) an outbuilding with a single story, mainly used for shelter or storage
108. a mec_____al style of writing *adj.* operated by a machine, relating to or concerned with machinery or tools
109. gas fi____r *n.* any of several types of equipment or systems used to separate particles from liquids or gases or to remove specific forms of light
110. cell and molecular bi_____y *n.* the scientific study of life and the natural processes of living things
111. ai_____ne particles *adj.* moved or conveyed by or through the air; in the air

ANSWERS: 102. probabilistic, 103. associate, 104. ventilate, 105. diverse, 106. ecosystem, 107. shed, 108. mechanical, 109. filter, 110. biology, 111. airborne

112. pr____e a better relationship *v.* to encourage or persuade people to like, buy, use, do, or support something; to raise someone to a higher position or rank
113. evolutionary bi____y *n.* the scientific study of life and the natural processes of living things
114. re____e a story *v.* to establish a connection or association between two or more things; to narrate or tell about an event, experience, or relationship; to empathize or feel sympathy with someone or something
115. in a di____m *n.* a simplified illustration of the appearance, structure, or workings of something
116. mic_____isms in his gut *n.* a very small living thing that may exist in its single-celled form or as a colony of cells and is too small to be seen without a microscope
117. a c__e to the diagnosis *n.* an object, a piece of evidence, or some information that helps someone to find the answer to a problem, question, or mystery
118. marine ec_____em *n.* all the plants and living creatures in an area and the way they affect each other and the environment
119. ar_____ct of the peace accord *n.* a person whose job is to design plans to be used in making something, such as buildings
120. ou__o the competition *v.* to do better than someone; to surpass

ANSWERS: 112. promote, 113. biology, 114. relate, 115. diagram, 116. microorganism, 117. clue, 118. ecosystem, 119. architect, 120. outdo

121. a person of di_____e talents *adj.* including numerous categories of individuals or entities; various
122. dis_____te wealth evenly *v.* to give something to a large number of individuals, or to spread or furnish something
123. in_____ve care *adj.* involving a lot of work or activity in a short time
124. tr_____on cubic feet *n.* the number 1,000,000,000,000; a million million
125. env_____nt affairs *n.* the natural world such as air, water, and land in which humans, animals, and plants live
126. gr__h theory *n.* a picture consisting of a line, lines, points, etc., that shows how two or more sets of certain quantities are related to each other
127. antibiotic-resistant g__m *n.* a very tiny living that causes the disease; a piece of something such as an organism, concept, etc., capable of growing into a new one or part of one
128. pr_____ic supplement *n.* a substance, typically a live bacterium, that is ingested to provide health benefits, particularly in aiding digestion or strengthening the immune system

ANSWERS: 121. diverse, 122. distribute, 123. intensive, 124. trillion, 125. environment, 126. graph, 127. germ, 128. probiotic

Session 3: Fill in the Blanks

1. She loves to hike _____ and explore nature.
adv. in or into the open air; outside a building or structure
2. Table tennis is an _____ sport.
adj. located, happened, or used inside a building
3. _____ foods, such as kefir and sauerkraut, can improve digestive health.
n. a substance, typically a live bacterium, that is ingested to provide health benefits, particularly in aiding digestion or strengthening the immune system
4. He told me a _____ truth about my parent's death.
n. the long tube in the body of a person or animal through which food passes when it leaves the stomach; the mental strength or bravery required to do something difficult or unpleasant
5. The _____ of his idea came from watching birds flying in flocks.
n. a very tiny living that causes the disease; a piece of something such as an organism, concept, etc., capable of growing into a new one or part of one
6. He tried to _____ his rival by breaking the world record.
v. to do better than someone; to surpass
7. He tried to _____ his experience to the group, but they couldn't understand.
v. to establish a connection or association between two or more things; to narrate or tell about an event, experience, or relationship; to empathize or feel sympathy with someone or something

ANSWERS: 1. outdoors, 2. indoor, 3. Probiotic-rich, 4. gut-wrenching, 5. germ, 6. outdo, 7. relate

8. She tried to _____ out the gum that she had been chewing.
v. to eject saliva or other liquid from the mouth
9. Ozone is a primary _____ to protect Earth's surface from harmful UV rays.
n. any of several types of equipment or systems used to separate particles from liquids or gases or to remove specific forms of light
10. The deep sea _____ was unlike anything the scientists had ever seen before.
n. a living being, especially an animal
11. The majority of consumers _____ this brand with quality.
v. to mentally connect someone or something with someone or something else
12. He was _____ gifted.
adv. as might be expected; by natural manners
13. This accident was something that happened _____.
adv. in an essential manner; in such a way as could not be otherwise
14. A _____ of the employees will be trained in the new software program.
n. a set of things that are contained within another larger set; a portion or division of a group or category
15. _____ elections were held in several European countries.
adj. belonging to or used by a group rather than individuals; for common use
16. The _____ demonstrate that poverty and unemployment are genuine problems.
n. the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data

ANSWERS: 8. spit, 9. filter, 10. creature, 11. associate, 12. naturally, 13. necessarily, 14. subset, 15. Communal, 16. statistics

17. She felt _____ after finishing her book.

adj. having completed a task or achieved a goal successfully; skilled or proficient at something

18. He _____ a secret tear when he heard the news of his friend's death.

v. to get rid of something as superfluous or unwanted; to cast off hair, skin, horn, or feathers; (noun) an outbuilding with a single story, mainly used for shelter or storage

19. One _____ of success is having a positive attitude and a strong work ethic.

n. a factor, circumstance, or condition that contributes to the shaping, influencing, or determining of a particular outcome or result

20. The _____ of Japan is known for its unique culture and advanced technology.

n. a large organized community of people living in a particular country or region and having a particular culture

21. Children _____ language at a fantastic rate.

v. to buy or obtain something such as an asset, object, knowledge, etc., for oneself

22. One such rapidly growing _____ is quantum cryptography.

n. an idea or principle associated with something abstract

23. Consumption of vegetables may aid in the prevention of _____ cancer.

n. the punctuation mark (:) used to introduce a list, summary, explanation, etc., or before reporting what someone has said; a significant part of the large intestine, the final section of the digestive system

ANSWERS: 17. accomplished, 18. shed, 19. determinant, 20. nation, 21. acquire, 22. concept, 23. colon

24. He was known to be very _____ and would often work late into the night.
adj. hardworking, diligent, and persistent in effort
25. The police couldn't find a _____ to her whereabouts.
n. an object, a piece of evidence, or some information that helps someone to find the answer to a problem, question, or mystery
26. mRNA vaccines are approved faster because they do not contain inactivated _____.
n. a bacterium, virus, or other microorganism that causes disease
27. In a _____ system, the outcome is uncertain and can vary based on chance.
adj. characterized by the influence of chance or probability; involving the use of statistical models or methods to estimate likelihoods or risks
28. He narrated the _____ story of his adventure.
adj. exceptional, unexpected, very unusual; surpassing the ordinary or usual
29. New York is a city with a _____ ethnic population.
adj. including numerous categories of individuals or entities; various
30. The earth's _____ of rotation is tilted 66.5 degrees to the ecliptic plane.
n. a real or imaginary straight line through a body or figure around which the object turns; a group of countries in special alliance
31. A _____ engineer is still in demand in many companies.
adj. operated by a machine, relating to or concerned with machinery or tools

ANSWERS: 24. industrious, 25. clue, 26. pathogens, 27. probabilistic, 28. extraordinary, 29. diverse, 30. axis, 31. mechanical

32. He was impressed by the range and _____ of the collection.
- n.* the quality or fact of many different types of things or people being included in something; a range of different things or people
33. This _____ is a producer of respiratory disease.
- n.* a very small living thing that may exist in its single-celled form or as a colony of cells and is too small to be seen without a microscope
34. We must _____ a new system to streamline our workflow and increase efficiency.
- v.* to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created
35. He humbly _____ his conduct.
- v.* to think about a decision or opinion again to
36. He used a crowbar to ____ open the locked door.
- v.* to force open or to try to get information from someone by asking too many questions
37. I'm prepared to _____ challenges throughout this adventure.
- v.* to face something, particularly something unpleasant or difficult, while attempting to do something else; to meet, especially unexpectedly
38. Every human is responsible for taking care of the Earth's _____.
- n.* the natural world such as air, water, and land in which humans, animals, and plants live
39. The building _____ tried to build the house above the tree.
- n.* a person whose job is to design plans to be used in making something, such as buildings

ANSWERS: 32. diversity, 33. microorganism, 34. develop, 35. reconsidered, 36. pry, 37. encounter, 38. environment, 39. architect

40. His estate was _____ to his sons.
v. to give something to a large number of individuals, or to spread or furnish something
41. In junior high school, we had to dissect a frog in _____ class.
n. the scientific study of life and the natural processes of living things
42. It's important to _____ the room to avoid the buildup of harmful gases.
v. to supply fresh air to a room, building, etc.; to remove stale air from it
43. The construction industry is labor _____ although it has been somewhat automated by introducing large machinery.
adj. involving a lot of work or activity in a short time
44. Management must take _____ responsibility for the accident.
adj. furthest or highest in degree or order
45. The government should do more to _____ sustainable agribusiness.
v. to encourage or persuade people to like, buy, use, do, or support something; to raise someone to a higher position or rank
46. The _____ of the two groups is good for brainstorming.
n. the act of connecting with someone, mainly when working, playing, or spending time with them
47. The phenomenon is _____ at optical wavelengths.
adj. impossible or nearly impossible to see
48. One light year is nearly 6 _____ miles.
n. the number 1,000,000,000,000; a million million

ANSWERS: 40. distributed, 41. biology, 42. ventilate, 43. intensive, 44. ultimate, 45. promote, 46. interaction, 47. invisible, 48. trillion

49. The priest's _____ ceremony was a significant event for the entire congregation.
- n.* the act or process of officially appointing or conferring authority upon someone, particularly in a religious context; the ceremony or ritual by which someone is formally invested with the power or status of a clergy member or religious leader
50. Excessive parental interference may _____ children's eagerness to learn.
- v.* to prevent something, such as an action, process, etc., from happening or make it less likely to happen than normal
51. Hospitals must meet various standards to prevent nosocomial _____.
- n.* a condition in which pathogenic microorganisms or viruses have entered the body
52. This bar _____ shows sales over the past five years.
- n.* a picture consisting of a line, lines, points, etc., that shows how two or more sets of certain quantities are related to each other
53. The hospital implemented strict guidelines to prevent _____ infections acquired during a hospital stay.
- adj.* refers to an infection or illness that is acquired or contracted during a stay at a hospital or other healthcare facility, also known as a hospital-acquired infection
54. The mobile application industry is _____ changing.
- adv.* all the time
55. Human conservation efforts often fail unexpectedly because they disturb the balance of the _____.
- n.* all the plants and living creatures in an area and the way they affect each other and the environment

ANSWERS: 49. ordination, 50. inhibit, 51. infections, 52. graph, 53. nosocomial, 54. constantly, 55. ecosystem

56. The garden was filled with _____ and needed to be tilled before planting.
n. soil, dust, or any substance that makes a surface not clean; the part of the earth's surface consisting of humus and disintegrated rock
57. He devised a new analytical _____ to capture the phenomenon.
n. the structural components of a building or object that support its weight and give it form; the underlying structure of a system, concept, or text
58. The Amazon rainforest is home to a diverse _____ of plant species.
n. all the plants in a particular region or time, typically regarded as a whole
59. He is drawing a _____ illustrating how the equipment operates.
n. a simplified illustration of the appearance, structure, or workings of something
60. The project's _____ made it difficult for the team to complete it on time.
n. the state or quality of being complicated or intricate and difficult to understand
61. _____ thrive on the surface of the human skin.
n. a tiny living thing that can only be seen with a microscope and that may cause disease
62. The _____ system in the building needed to be replaced.
n. the provision of fresh air, especially to a room or building
63. The amount of _____ pollen this year is higher than usual.
adj. moved or conveyed by or through the air; in the air
64. 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: 56. dirt, 57. framework, 58. flora, 59. diagram, 60. complexity, 61. Microbes, 62. ventilation, 63. airborne, 64. humming

ANSWERS: