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Vocabulary Builder Reference from...

Raymond Wang: How germs travel on planes -- and how we can stop them | TED Talk

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

All Words

IMPORTANT

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Session 1: Word List

tube

n. a cylindrical container of metal, plastic, glass, etc., usually sealed and used as a means of preserving food or chemicals; a hollow cylindrical shape

synonym: pipe, hose, duct

(1) a capillary **tube**, (2) a glass **tube**

The **tube** train was packed with commuters during rush hour.

disease

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

synonym: illness, ailment, affliction

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

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

epidemic

n. the widespread outbreak of a particular disease in a large number of people at the same time

synonym: outbreak, contagion, plague

(1) a worldwide **epidemic**, (2) health **epidemic**

The disease is now reaching **epidemic** proportions in our country.

topic

n. a subject that is being discussed or written about
synonym : subject, theme, issue

(1) a serious **topic**, (2) the **topic** of the book

The **topic** of the discussion was the current state of the economy.

Ebola

n. a highly contagious and often fatal viral disease that causes severe fever and internal bleeding, primarily occurring in remote areas of Central and West Africa
synonym : viral hemorrhagic fever, EVD

(1) **Ebola** epidemic, (2) **Ebola** virus

The **Ebola** outbreak in West Africa caused widespread panic and fear.

outbreak

n. a sudden start of something, usually a disease or something dangerous or unpleasant
synonym : eruption, outburst, explosion

(1) infectious disease **outbreaks**, (2) the **outbreak** of hostilities

The government predicts an epidemic **outbreak** of multiple viruses, including coronaviruses and influenza.

droplet

n. a small drop of liquid
synonym : bead, drip, dewdrop

(1) **droplet** size, (2) **droplet** formation

A single **droplet** of water can reflect the entire world upside down.

cabin

n. a small, simple dwelling or shelter, typically made of wood and located in a remote or rural area; an enclosed compartment or area within a larger structure, such as an aircraft or ship, where passengers or crew members can sit or sleep
synonym : hut, cottage, shack

(1) **cabin** crew, (2) log **cabin**

The quaint **cabin** in the woods was the perfect retreat for a weekend getaway.

scary

adj. causing fear or fright; frightening; intimidating

synonym : terrifying, frightening, alarming

(1) **scary** dream, (2) **scary** story

The horror movie was so **scary** that I couldn't watch it alone.

decide

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

synonym : choose, determine, settle

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

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

flee

v. to leave by running away, especially out of fear or danger

synonym : exit, escape, run away

(1) **flee** their homes, (2) **flee** abroad

It is a basic instinct to **flee** from a dangerous situation.

superpower

n. a country or nation that has significant global influence or formidable military, economic, or technological strength; a supernatural ability or force capable of extraordinary feats or feats beyond normal human capabilities

synonym : great power, empire, hegemony

(1) **superpower** country, (2) **superpower** leader

The ability to fly like a bird is often considered a **superpower** in comic books and movies.

latency

n. the fact or state of being present but not being evident, active, or well developed; (engineering) a measure of the time delay experienced by a system

synonym : abeyance, intermission, suspension

(1) low **latency**, (2) **latency** period

Next-generation mobile communication standards will achieve sub-millisecond **latency**.

exhibit

v. to show something in public for people to enjoy or to provide them with information

synonym : display, expose, show

(1) **exhibit** a bad attitude, (2) **exhibit** a great talent

Other technology industries **exhibit** similarly explosive growth.

symptom

n. any sensation or change in body or mind that is experienced by a patient and is associated with a particular disease

synonym : sign, manifestation, syndrome

(1) **symptoms** of low testosterone, (2) neurotic **symptoms**

The patient displays a **symptom** of a side effect.

efficient

adj. performing at the highest level of productivity with the least wasted effort or resources; capable of achieving maximum output with minimum wasted effort, time, or materials

synonym : productive, effective, competent

(1) **efficient** operation, (2) energy- **efficient** appliances

The new washing machine is much more **efficient** than the old one.

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.

eliminate

v. to remove or get rid of someone or something

synonym : wipe out, destroy, eradicate

(1) **eliminate** contestants, (2) **eliminate** sexual barriers

We can **eliminate** this possibility from those consumptions.

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**.

outlet

n. a means of release or expression, often for emotions or energy; a place of business that sells goods directly to customers; a device or opening through which something can flow out

synonym : opening, vent, aperture

(1) an **outlet** for water, (2) media **outlet**

The **outlet** in the bathroom was faulty, so I had to use a different one for my hair dryer.

airflow

n. the flow of air, especially around a moving object such as an aircraft or vehicle

synonym : current, breeze, breath

(1) **airflow** duct, (2) high-speed **airflow**

They thoroughly tested the **airflow** around their latest formula car.

sneeze

v. to make a sudden, involuntary expulsion of air from the nose and mouth, usually due to irritation caused by the presence of dust, pollen, or other irritants

synonym : exhale, whiff, blow

(1) **sneeze** into my hand, (2) **sneeze** loudly

Whenever I get a cold, I tend to **sneeze** a lot.

swirl

v. to move in a circular or spiral pattern

synonym : spin, whirl, turn

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

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

computation

n. the act or process of calculating something, especially an answer or amount, by using a machine or calculator

synonym : calculation, estimation, arithmetic

(1) parallel **computation**, (2) theory of **computation**

The researcher demonstrated the superiority of quantum **computation** in several mathematical tasks.

fluid

n. a substance that can flow and is not solid

synonym : liquid, aqua, sap

(1) plenty of **fluids**, (2) **fluid** assets

She was diagnosed with a **fluid** buildup in her lungs.

dynamics

n. the branch of mechanics that deals with the motion of bodies under the action of forces, including the particular case in which a body remains at rest; forces that produce or stimulate movement, growth, or change

synonym : mechanics, kinetics, kinematics

(1) **dynamics** of group, (2) **dynamics** of economy

The relationship **dynamics** between the two countries were complex and constantly changing.

resolution

n. a firm decision or determination to do or not do something; the action of solving a problem, dispute, or conflict; the quality of being resolved or determined; the clarity and sharpness of an image or display

synonym : determination, decision, settlement

(1) **resolution** of a conflict, (2) display **resolution**

He made a New Year's **resolution** to exercise more and eat healthier.

physically

adv. in a way related to a person's body or appearance rather than their mind

(1) **physically** and mentally, (2) stay **physically** fit

Having a **physically** healthy physique is essential for a great life.

essentially

adv. relating to the essential features or concepts of anything

synonym : fundamentally, basically, virtually

(1) **essentially** correct, (2) become **essentially** same

Essentially, a society is an organism.

software

n. a set of computer programs and associated documentation and data for doing particular computational jobs

synonym : program, system, operating system

(1) **software** architect, (2) copyrighted **software**

The company specializes in both hardware and **software**.

divide

v. to separate or cause to separate into parts or groups

synonym : separate, disconnect, split

(1) **divide** the cake into two pieces, (2) **divide** money equally

Can you **divide** 123321 by eleven?

mesh

n. a material made of a network of wire, plastic, or thread

synonym : netting, weave, lattice

(1) a **mesh** fence, (2) the **mesh** of a basket

The **mesh** fabric was breathable and comfortable to wear.

bunch

n. a grouping of several similar things which are growing or fastened together

synonym : group, assemblage, bundle

(1) a **bunch** of trees, (2) a **bunch** of schoolgirls

One bad apple spoils the whole **bunch**.

physics

n. the science of matter and energy and their interactions

(1) nuclear **physics**, (2) laws of **physics**

He studied the **physics** of radiation.

calculate

v. to judge or find out the amount or number of something by using mathematics

synonym : compute, figure, estimate

(1) **calculate** the distance, (2) **calculate** his credit score

He couldn't **calculate** the actual value of the artwork.

conventional

adj. based on or following traditional rules, standards, customs, etc.

synonym : ancestral, customary, established

(1) a **conventional** style, (2) get a **conventional** loan

She is very **conventional** in her thoughts.

splatter

v. to scatter or spray liquid, mud, or a similar substance in small droplets or flecks; to stain or cover with such droplets or specks

synonym : swash, splash, spray

(1) **splatter** paint, (2) **splatter** all over the floor

The construction workers wore protective gear to avoid being **splattered** with wet cement.

disgust

n. a strong feeling of dislike or disapproval

synonym : nauseate, hate, dislike

(1) public **disgust**, (2) show **disgust** at his actions

He was filled with **disgust** and fear for the threat of war.

conduct

v. to organize and carry out a particular activity

synonym : behave, lead, carry on

(1) **conduct** a background check, (2) **conduct** research

Police will **conduct** random breath testing for drunk driving.

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.

patent

n. a legal document that grants an inventor exclusive rights to their invention for a certain period of time; the invention or process for which a patent has been granted

synonym : copyright, trademark, license

(1) **patent** application, (2) **patent** law

The company has filed for a **patent** to protect its new invention.

pending

adj. awaiting a decision or resolution; yet to be resolved

synonym: waiting, undetermined, forthcoming

(1) **pending** approval, (2) patent **pending**

I had a **pending** transaction on my credit card.

inlet

n. a small arm of the sea, a lake, or a river, usually leading inland

synonym: cove, bayou, estuary

(1) **inlet** valve, (2) **inlet** temperature

The boat sailed through the narrow **inlet** and into the harbor.

transmission

n. the act or process of sending something from one person or place to another; the process of broadcasting over the airwaves, as in radio or television

synonym: transportation, communication, broadcast

(1) **transmission** speed, (2) the **transmission** gears of a car

Education is the **transmission** of civilization.

inhale

v. to breathe in air or a different substance, such as smoke

synonym: breathe in, take in, draw in

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

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

install

v. to fix furniture, a machine, or a piece of equipment into position so that it can be used; put into an office or a position

synonym: establish, inaugurate, lodge

(1) **install** a door, (2) **install** a chairperson

The new president was **installed** immediately after the national election.

composite

adj. made up of different parts, elements, or substances;
(noun) something made from two or more different

substances

synonym : compound, combined, mixed

(1) **composite** materials, (2) a **composite** of different photographs

The **composite** index tracks the performance of multiple stocks in the same sector.

spot

n. a particular location or place; a small round or roundish area, differing in color or feels from the surface around it

synonym : dot, mark, place

(1) beauty **spot**, (2) a **spot** on his honor

This remote **spot** is rarely visited.

overnight

adj. lasting for or occurring during one night; occurring or changing extremely quickly or suddenly; happening or being achieved in a short amount of time

synonym : all-night, sudden, immediate

(1) **overnight** parking, (2) **overnight** success

The **overnight** package delivery arrived at my door this morning.

screw

v. to turn something, such as a bolt, with a driver or wrench to tighten or loosen it; (noun) a cylindrical rod with a helical ridge used to fasten things together

synonym : tighten, fix, secure

(1) **screw** the cap, (2) a female **screw**

He had to **screw** the loose knob back onto the cabinet door.

absolutely

adv. without restriction or limitation; completely or utterly

synonym : completely, utterly, definitely

(1) **absolutely** against, (2) **absolutely** obsessed with the girl

I am **absolutely** opposed to his idea because of morality.

amazing

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

synonym :

exceptional, extraordinary, wonderful

(1) **amazing** advances, (2) the most **amazing** feeling
The golfer recorded an **amazing** distance.

problematic

adj. full of difficulties; difficult to deal with or solve
synonym: inappropriate, inconvenient, worrisome

(1) a **problematic** situation, (2) seems to be highly **problematic**

Direct democracy is effective in quickly resolving **problematic** situations within a community.

in-between

adj. occurring or existing between two things or points; intermediate in position, condition, or time

synonym: intermediate, middleman, halfway

(1) **in-between** meals, (2) **in-between** stages

She enjoyed floating in the ocean's **in-between** zone where the waves met the shoreline

zone

n. a specific area, region, or section that is marked off or defined in some way

synonym: area, region, territory

(1) time **zone**, (2) **zone** defense

He was reluctant to leave his comfort **zone** and try something new.

elimination

n. the act or process of removing or getting rid of something or someone

synonym: removal, eradication, extinction

(1) waste **elimination**, (2) an **elimination** tournament

The government's efforts toward disease **elimination** have been successful in many regions.

scenario

n. a description of possible actions or events in the future; a written outline of a play, film, or literary work

synonym: plan, scheme, procedure

(1) the worst case **scenario**, (2) number of different

scenarios

The president prepared several possible **scenarios** for an enemy attack.

innovation

n. the creation of a new device or process resulting from study and experimentation

synonym: invention, initiation, creation

(1) **innovation** leader, (2) cutting-edge **innovation**

The vegetarian burger was an **innovation** that quickly spread to the United Kingdom.

straight

adj. extending or moving in one direction without bending or curving; having no deviations

synonym: linear, honest, consecutive

(1) a **straight** line, (2) **straight** for two months

He was sick for five **straight** days.

infect

v. to affect a person, an animal, or a plant with a disease-causing organism

synonym: pollute, contaminate, affect

(1) **infect** other animal species, (2) **infect** a computer with a virus

Children often **infect** parents with this head cold.

virtually

adv. almost completely

synonym: almost, basically, nearly

(1) **virtually** all countries, (2) **virtually** identical

Virtually all the parties signed the contract.

aisle

n. a passage between rows of seats in a theater, airplane, or other public building, typically one of two or more running parallel with the main body of the structure

synonym: corridor, passageway, gangway

(1) **aisle** seat, (2) the center **aisle** of a church

She walked down the **aisle** to the front of the church.

excess

n. an amount or quantity beyond what is acceptable, expected, or reasonable

synonym : exuberance, glut, surplus

(1) lose **excess** weight, (2) an **excess** of exports

The road of **excess** leads to the palace of wisdom.

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.

certificate

n. an official document stating that the information contained within is true

synonym : diploma, credential, certification

(1) official score **certificate**, (2) a birth **certificate**

He received a **certificate** in computer programming from the local college.

approval

n. the belief that someone or something is good or acceptable

synonym : acceptance, endorsement, permission

(1) a written **approval**, (2) express my **approval**

This project took a lot of time to get the president's **approval**.

process

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

synonym : procedure, method, system

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

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

advance

v. to go or move forward; to develop in a positive way

synonym : progress, boost, come along

(1) **advance** the technology, (2) **advance** a cooperative relationship

Scientific knowledge will **advance** significantly with the power of AI.

compute

v. to make a mathematical calculation

synonym: calculate

(1) **compute** an average score, (2) **compute** the value

I tried to **compute** the efficiency of the investment.

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.

Session 2: Spelling

- | | |
|---------------------------------|---|
| 1. in_____l a door | <i>v.</i> to fix furniture, a machine, or a piece of equipment into position so that it can be used; put into an office or a position |
| 2. plant pa_____en | <i>n.</i> a bacterium, virus, or other microorganism that causes disease |
| 3. ov_____ht parking | <i>adj.</i> lasting for or occurring during one night; occurring or changing extremely quickly or suddenly; happening or being achieved in a short amount of time |
| 4. sp_____er paint | <i>v.</i> to scatter or spray liquid, mud, or a similar substance in small droplets or flecks; to stain or cover with such droplets or specks |
| 5. sc__w the cap | <i>v.</i> to turn something, such as a bolt, with a driver or wrench to tighten or loosen it; (noun) a cylindrical rod with a helical ridge used to fasten things together |
| 6. the center ai__e of a church | <i>n.</i> a passage between rows of seats in a theater, airplane, or other public building, typically one of two or more running parallel with the main body of the structure |
| 7. get a con_____nal loan | <i>adj.</i> based on or following traditional rules, standards, customs, etc. |
| 8. ca_____te his credit score | <i>v.</i> to judge or find out the amount or number of something by using mathematics |

ANSWERS: 1. install, 2. pathogen, 3. overnight, 4. splatter, 5. screw, 6. aisle, 7. conventional, 8. calculate

- | | | |
|----------------------------------|----|--|
| 9. 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 |
| 10. health ep____ic | n. | the widespread outbreak of a particular disease in a large number of people at the same time |
| 11. dy____cs of group | n. | the branch of mechanics that deals with the motion of bodies under the action of forces, including the particular case in which a body remains at rest; forces that produce or stimulate movement, growth, or change |
| 12. tr____on cubic feet | n. | the number 1,000,000,000,000; a million million |
| 13. infectious disease ou____aks | n. | a sudden start of something, usually a disease or something dangerous or unpleasant |
| 14. ca____te the distance | v. | to judge or find out the amount or number of something by using mathematics |
| 15. el____te contestants | v. | to remove or get rid of someone or something |
| 16. log ca__n | n. | a small, simple dwelling or shelter, typically made of wood and located in a remote or rural area; an enclosed compartment or area within a larger structure, such as an aircraft or ship, where passengers or crew members can sit or sleep |

ANSWERS: 9. develop, 10. epidemic, 11. dynamics, 12. trillion, 13. outbreak, 14. calculate, 15. eliminate, 16. cabin

17. sp_____er all over the floor *v.* to scatter or spray liquid, mud, or a similar substance in small droplets or flecks; to stain or cover with such droplets or specks
18. the pa_____en in the air *n.* a bacterium, virus, or other microorganism that causes disease
19. f__e abroad *v.* to leave by running away, especially out of fear or danger
20. pe_____g approval *adj.* awaiting a decision or resolution; yet to be resolved
21. sup_____er country *n.* a country or nation that has significant global influence or formidable military, economic, or technological strength; a supernatural ability or force capable of extraordinary feats or feats beyond normal human capabilities
22. inn_____on leader *n.* the creation of a new device or process resulting from study and experimentation
23. high-speed ai_____w *n.* the flow of air, especially around a moving object such as an aircraft or vehicle
24. ov_____ht success *adj.* lasting for or occurring during one night; occurring or changing extremely quickly or suddenly; happening or being achieved in a short amount of time
25. waste eli_____on *n.* the act or process of removing or getting rid of something or someone
26. pa____t application *n.* a legal document that grants an inventor exclusive rights to their invention for a certain period of time; the invention or process for which a patent has been granted

ANSWERS: 17. splatter, 18. pathogen, 19. flee, 20. pending, 21. superpower, 22. innovation, 23. airflow, 24. overnight, 25. elimination, 26. patent

27. ex_____t a bad attitude *v.* to show something in public for people to enjoy or to provide them with information
28. 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
29. res_____on of a conflict *n.* a firm decision or determination to do or not do something; the action of solving a problem, dispute, or conflict; the quality of being resolved or determined; the clarity and sharpness of an image or display
30. Eb__a virus *n.* a highly contagious and often fatal viral disease that causes severe fever and internal bleeding, primarily occurring in remote areas of Central and West Africa
31. seems to be highly pro_____ic *adj.* full of difficulties; difficult to deal with or solve
32. co_____t a background check *v.* to organize and carry out a particular activity
33. the to__c of the book *n.* a subject that is being discussed or written about
34. a bu__h of trees *n.* a grouping of several similar things which are growing or fastened together
35. an ex___s of exports *n.* an amount or quantity beyond what is acceptable, expected, or reasonable

ANSWERS: 27. exhibit, 28. develop, 29. resolution, 30. Ebola, 31. problematic, 32. conduct, 33. topic, 34. bunch, 35. excess

36. sup_____er leader *n.* a country or nation that has significant global influence or formidable military, economic, or technological strength; a supernatural ability or force capable of extraordinary feats or feats beyond normal human capabilities
37. pa____t law *n.* a legal document that grants an inventor exclusive rights to their invention for a certain period of time; the invention or process for which a patent has been granted
38. copyrighted so_____re *n.* a set of computer programs and associated documentation and data for doing particular computational jobs
39. ad_____e a cooperative relationship *v.* to go or move forward; to develop in a positive way
40. sw__l the wine *v.* to move in a circular or spiral pattern
41. ad_____e the technology *v.* to go or move forward; to develop in a positive way
42. a worldwide ep_____ic *n.* the widespread outbreak of a particular disease in a large number of people at the same time
43. become ess_____ly same *adv.* relating to the essential features or concepts of anything
44. di_____e prevention *n.* a disorder or illness that affects the body or mind, often characterized by specific symptoms or abnormal functioning of organs or systems
45. Eb__a epidemic *n.* a highly contagious and often fatal viral disease that causes severe fever and internal bleeding, primarily occurring in remote areas of Central and West Africa

ANSWERS: 36. superpower, 37. patent, 38. software, 39. advance, 40. swirl, 41. advance, 42. epidemic, 43. essentially, 44. disease, 45. Ebola

46. public di____t *n.* a strong feeling of dislike or disapproval
47. low la____y *n.* the fact or state of being present but not being evident, active, or well developed; (engineering) a measure of the time delay experienced by a system
48. vi____ly all countries *adv.* almost completely
49. a s__t on his honor *n.* a particular location or place; a small round or roundish area, differing in color or feels from the surface around it
50. nuclear ph____s *n.* the science of matter and energy and their interactions
51. the m__h of a basket *n.* a material made of a network of wire, plastic, or thread
52. show di____t at his actions *n.* a strong feeling of dislike or disapproval
53. a con____nal style *adj.* based on or following traditional rules, standards, customs, etc.
54. di___e the cake into two pieces *v.* to separate or cause to separate into parts or groups
55. fl__d assets *n.* a substance that can flow and is not solid
56. display res____on *n.* a firm decision or determination to do or not do something; the action of solving a problem, dispute, or conflict; the quality of being resolved or determined; the clarity and sharpness of an image or display
57. in___t a computer with a virus *v.* to affect a person, an animal, or a plant with a disease-causing organism

ANSWERS: 46. disgust, 47. latency, 48. virtually, 49. spot, 50. physics, 51. mesh, 52. disgust, 53. conventional, 54. divide, 55. fluid, 56. resolution, 57. infect

58. so____re architect *n.* a set of computer programs and associated documentation and data for doing particular computational jobs
59. lose ex___s weight *n.* an amount or quantity beyond what is acceptable, expected, or reasonable
60. co____e the value *v.* to make a mathematical calculation
61. a capillary t__e *n.* a cylindrical container of metal, plastic, glass, etc., usually sealed and used as a means of preserving food or chemicals; a hollow cylindrical shape
62. laws of ph____s *n.* the science of matter and energy and their interactions
63. official score cer____te *n.* an official document stating that the information contained within is true
64. media ou___t *n.* a means of release or expression, often for emotions or energy; a place of business that sells goods directly to customers; a device or opening through which something can flow out
65. abs____ly against *adv.* without restriction or limitation; completely or utterly
66. a female sc__w *v.* to turn something, such as a bolt, with a driver or wrench to tighten or loosen it; (noun) a cylindrical rod with a helical ridge used to fasten things together
67. ef____nt operation *adj.* performing at the highest level of productivity with the least wasted effort or resources; capable of achieving maximum output with minimum wasted effort, time, or materials

ANSWERS: 58. software, 59. excess, 60. compute, 61. tube, 62. physics, 63. certificate, 64. outlet, 65. absolutely, 66. screw, 67. efficient

68. dr____t size *n.* a small drop of liquid
69. dy____cs of economy *n.* the branch of mechanics that deals with the motion of bodies under the action of forces, including the particular case in which a body remains at rest; forces that produce or stimulate movement, growth, or change
70. de___e on a course of action *v.* to make up someone's mind about something; to come to a conclusion or judgment after considering options
71. st____ht for two months *adj.* extending or moving in one direction without bending or curving; having no deviations
72. ess_____ly correct *adv.* relating to the essential features or concepts of anything
73. sn___e into my hand *v.* to make a sudden, involuntary expulsion of air from the nose and mouth, usually due to irritation caused by the presence of dust, pollen, or other irritants
74. the ou____ak of hostilities *n.* a sudden start of something, usually a disease or something dangerous or unpleasant
75. in__t temperature *n.* a small arm of the sea, a lake, or a river, usually leading inland
76. in___e the smoke *v.* to breathe in air or a different substance, such as smoke
77. vi_____ly identical *adv.* almost completely

ANSWERS: 68. droplet, 69. dynamics, 70. decide, 71. straight, 72. essentially, 73. sneeze, 74. outbreak, 75. inlet, 76. inhale, 77. virtually

78. abs_____ly obsessed with the girl *adv.* without restriction or limitation; completely or utterly
79. in__t valve *n.* a small arm of the sea, a lake, or a river, usually leading inland
80. a co_____te of different photographs *adj.* made up of different parts, elements, or substances; (noun) something made from two or more different substances
81. la_____y period *n.* the fact or state of being present but not being evident, active, or well developed; (engineering) a measure of the time delay experienced by a system
82. sc__y dream *adj.* causing fear or fright; frightening; intimidating
83. co_____e an average score *v.* to make a mathematical calculation
84. the ul_____te luxury *adj.* furthest or highest in degree or order
85. the tra_____ion gears of a car *n.* the act or process of sending something from one person or place to another; the process of broadcasting over the airwaves, as in radio or television
86. ai_____w duct *n.* the flow of air, especially around a moving object such as an aircraft or vehicle
87. co_____te materials *adj.* made up of different parts, elements, or substances; (noun) something made from two or more different substances
88. ai__e seat *n.* a passage between rows of seats in a theater, airplane, or other public building, typically one of two or more running parallel with the main body of the structure

ANSWERS: 78. absolutely, 79. inlet, 80. composite, 81. latency, 82. scary, 83. compute, 84. ultimate, 85. transmission, 86. airflow, 87. composite, 88. aisle

89. express my ap_____al *n.* the belief that someone or something is good or acceptable
90. a glass t__e *n.* a cylindrical container of metal, plastic, glass, etc., usually sealed and used as a means of preserving food or chemicals; a hollow cylindrical shape
91. number of different sc_____ios *n.* a description of possible actions or events in the future; a written outline of a play, film, or literary work
92. an eli_____on tournament *n.* the act or process of removing or getting rid of something or someone
93. neurotic sy_____ms *n.* any sensation or change in body or mind that is experienced by a patient and is associated with a particular disease
94. theory of com_____on *n.* the act or process of calculating something, especially an answer or amount, by using a machine or calculator
95. a birth cer_____te *n.* an official document stating that the information contained within is true
96. 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
97. di_____e control *n.* a disorder or illness that affects the body or mind, often characterized by specific symptoms or abnormal functioning of organs or systems

ANSWERS: 89. approval, 90. tube, 91. scenario, 92. elimination, 93. symptom, 94. computation, 95. certificate, 96. filter, 97. disease

98. in___e the aroma *v.* to breathe in air or a different substance, such as smoke
99. in_____l a chairperson *v.* to fix furniture, a machine, or a piece of equipment into position so that it can be used; put into an office or a position
100. the most am_____g feeling *adj.* extremely surprising, especially in a way that you like or admire
101. pr_____s improvement *n.* a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products
102. sy_____ms of low testosterone *n.* any sensation or change in body or mind that is experienced by a patient and is associated with a particular disease
103. beauty s__t *n.* a particular location or place; a small round or roundish area, differing in color or feels from the surface around it
104. decision-making pr_____s *n.* a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products

ANSWERS: 98. inhale, 99. install, 100. amazing, 101. process, 102. symptom, 103. spot, 104. process

105. many tr____ons of dollars *n.* the number 1,000,000,000,000; a million million
106. de___e a question *v.* to make up someone's mind about something; to come to a conclusion or judgment after considering options
107. sw___l up dirt and dust *v.* to move in a circular or spiral pattern
108. patent pe____g *adj.* awaiting a decision or resolution; yet to be resolved
109. co____t research *v.* to organize and carry out a particular activity
110. sn___e loudly *v.* to make a sudden, involuntary expulsion of air from the nose and mouth, usually due to irritation caused by the presence of dust, pollen, or other irritants
111. di___e money equally *v.* to separate or cause to separate into parts or groups
112. ex____t a great talent *v.* to show something in public for people to enjoy or to provide them with information
113. an ou____t for water *n.* a means of release or expression, often for emotions or energy; a place of business that sells goods directly to customers; a device or opening through which something can flow out
114. a written ap____al *n.* the belief that someone or something is good or acceptable
115. time z___e *n.* a specific area, region, or section that is marked off or defined in some way

ANSWERS: 105. trillion, 106. decide, 107. swirl, 108. pending, 109. conduct, 110. sneeze, 111. divide, 112. exhibit, 113. outlet, 114. approval, 115. zone

116. the ul____te goal in life *adj.* furthest or highest in degree or order
117. cutting-edge inn_____on *n.* the creation of a new device or process resulting from study and experimentation
118. tra_____ion speed *n.* the act or process of sending something from one person or place to another; the process of broadcasting over the airwaves, as in radio or television
119. in-_____en meals *adj.* occurring or existing between two things or points; intermediate in position, condition, or time
120. dr_____t formation *n.* a small drop of liquid
121. a serious to__c *n.* a subject that is being discussed or written about
122. f__e their homes *v.* to leave by running away, especially out of fear or danger
123. ca__n crew *n.* a small, simple dwelling or shelter, typically made of wood and located in a remote or rural area; an enclosed compartment or area within a larger structure, such as an aircraft or ship, where passengers or crew members can sit or sleep
124. 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
125. sc__y story *adj.* causing fear or fright; frightening; intimidating

ANSWERS: 116. ultimate, 117. innovation, 118. transmission, 119. in-between, 120. droplet, 121. topic, 122. flee, 123. cabin, 124. filter, 125. scary

126. stay phy_____ly fit *adv.* in a way related to a person's body or appearance rather than their mind
127. in____t other animal species *v.* to affect a person, an animal, or a plant with a disease-causing organism
128. in-_____en stages *adj.* occurring or existing between two things or points; intermediate in position, condition, or time
129. a bu__h of schoolgirls *n.* a grouping of several similar things which are growing or fastened together
130. parallel com_____on *n.* the act or process of calculating something, especially an answer or amount, by using a machine or calculator
131. plenty of fl__ds *n.* a substance that can flow and is not solid
132. el_____te sexual barriers *v.* to remove or get rid of someone or something
133. a m__h fence *n.* a material made of a network of wire, plastic, or thread
134. am_____g advances *adj.* extremely surprising, especially in a way that you like or admire
135. a pro_____ic situation *adj.* full of difficulties; difficult to deal with or solve
136. z__e defense *n.* a specific area, region, or section that is marked off or defined in some way
137. energy-ef_____nt appliances *adj.* performing at the highest level of productivity with the least wasted effort or resources; capable of achieving maximum output with minimum wasted effort, time, or materials

ANSWERS: 126. physically, 127. infect, 128. in-between, 129. bunch, 130. computation, 131. fluid, 132. eliminate, 133. mesh, 134. amazing, 135. problematic, 136. zone, 137. efficient

138. phy_____ly and mentally

adv. in a way related to a person's body or appearance rather than their mind

139. a st_____ht line

adj. extending or moving in one direction without bending or curving; having no deviations

140. the worst case sc_____io

n. a description of possible actions or events in the future; a written outline of a play, film, or literary work

ANSWERS: 138. physically, 139. straight, 140. scenario

Session 3: Fill in the Blanks

1. He received a _____ in computer programming from the local college.
n. an official document stating that the information contained within is true
2. The patient displays a _____ of a side effect.
n. any sensation or change in body or mind that is experienced by a patient and is associated with a particular disease
3. He couldn't _____ the actual value of the artwork.
v. to judge or find out the amount or number of something by using mathematics
4. The disease is now reaching _____ proportions in our country.
n. the widespread outbreak of a particular disease in a large number of people at the same time
5. The _____ index tracks the performance of multiple stocks in the same sector.
adj. made up of different parts, elements, or substances; (noun) something made from two or more different substances
6. Having a _____ healthy physique is essential for a great life.
adv. in a way related to a person's body or appearance rather than their mind
7. I am _____ opposed to his idea because of morality.
adv. without restriction or limitation; completely or utterly
8. The government predicts an epidemic _____ of multiple viruses, including coronaviruses and influenza.
n. a sudden start of something, usually a disease or something dangerous or unpleasant

ANSWERS: 1. certificate, 2. symptom, 3. calculate, 4. epidemic, 5. composite, 6. physically, 7. absolutely, 8. outbreak

9. He was reluctant to leave his comfort _____ and try something new.
n. a specific area, region, or section that is marked off or defined in some way
10. Management must take _____ responsibility for the accident.
adj. furthest or highest in degree or order
11. The relationship _____ between the two countries were complex and constantly changing.
n. the branch of mechanics that deals with the motion of bodies under the action of forces, including the particular case in which a body remains at rest; forces that produce or stimulate movement, growth, or change
12. The golfer recorded an _____ distance.
adj. extremely surprising, especially in a way that you like or admire
13. We can _____ this possibility from those consumptions.
v. to remove or get rid of someone or something
14. The company specializes in both hardware and _____.
n. a set of computer programs and associated documentation and data for doing particular computational jobs
15. The _____ package delivery arrived at my door this morning.
adj. lasting for or occurring during one night; occurring or changing extremely quickly or suddenly; happening or being achieved in a short amount of time
16. The company has filed for a _____ to protect its new invention.
n. a legal document that grants an inventor exclusive rights to their invention for a certain period of time; the invention or process for which a patent has been granted

ANSWERS: 9. zone, 10. ultimate, 11. dynamics, 12. amazing, 13. eliminate, 14. software, 15. overnight, 16. patent

17. He was sick for five _____ days.

adj. extending or moving in one direction without bending or curving; having no deviations

18. The _____ for applying for a visa can be lengthy and complicated.

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

19. Scientific knowledge will _____ significantly with the power of AI.

v. to go or move forward; to develop in a positive way

20. She is very _____ in her thoughts.

adj. based on or following traditional rules, standards, customs, etc.

21. It is a basic instinct to _____ from a dangerous situation.

v. to leave by running away, especially out of fear or danger

22. The government's efforts toward disease _____ have been successful in many regions.

n. the act or process of removing or getting rid of something or someone

23. The researcher demonstrated the superiority of quantum _____ in several mathematical tasks.

n. the act or process of calculating something, especially an answer or amount, by using a machine or calculator

24. mRNA vaccines are approved faster because they do not contain inactivated _____.

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

ANSWERS: 17. straight, 18. process, 19. advance, 20. conventional, 21. flee, 22. elimination, 23. computation, 24. pathogens

25. She was diagnosed with a _____ buildup in her lungs.

n. a substance that can flow and is not solid

26. The new washing machine is much more _____ than the old one.

adj. performing at the highest level of productivity with the least wasted effort or resources; capable of achieving maximum output with minimum wasted effort, time, or materials

27. This project took a lot of time to get the president's _____.

n. the belief that someone or something is good or acceptable

28. The ability to fly like a bird is often considered a _____ in comic books and movies.

n. a country or nation that has significant global influence or formidable military, economic, or technological strength; a supernatural ability or force capable of extraordinary feats or feats beyond normal human capabilities

29. The doctor diagnosed him with a rare _____ that had no known cure.

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

30. The _____ outbreak in West Africa caused widespread panic and fear.

n. a highly contagious and often fatal viral disease that causes severe fever and internal bleeding, primarily occurring in remote areas of Central and West Africa

31. The president prepared several possible _____ for an enemy attack.

n. a description of possible actions or events in the future; a written outline of a play, film, or literary work

ANSWERS: 25. fluid, 26. efficient, 27. approval, 28. superpower, 29. disease, 30. Ebola, 31. scenarios

32. They thoroughly tested the _____ around their latest formula car.
- n.* the flow of air, especially around a moving object such as an aircraft or vehicle
33. Next-generation mobile communication standards will achieve sub-millisecond _____.
- n.* the fact or state of being present but not being evident, active, or well developed; (engineering) a measure of the time delay experienced by a system
34. I tried to _____ the efficiency of the investment.
- v.* to make a mathematical calculation
35. He had to _____ the loose knob back onto the cabinet door.
- v.* to turn something, such as a bolt, with a driver or wrench to tighten or loosen it; (noun) a cylindrical rod with a helical ridge used to fasten things together
36. The _____ in the bathroom was faulty, so I had to use a different one for my hair dryer.
- n.* a means of release or expression, often for emotions or energy; a place of business that sells goods directly to customers; a device or opening through which something can flow out
37. The quaint _____ in the woods was the perfect retreat for a weekend getaway.
- n.* a small, simple dwelling or shelter, typically made of wood and located in a remote or rural area; an enclosed compartment or area within a larger structure, such as an aircraft or ship, where passengers or crew members can sit or sleep
38. 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

ANSWERS: 32. airflow, 33. latency, 34. compute, 35. screw, 36. outlet, 37. cabin, 38. develop

39. The boat sailed through the narrow _____ and into the harbor.
n. a small arm of the sea, a lake, or a river, usually leading inland
40. I had a _____ transaction on my credit card.
adj. awaiting a decision or resolution; yet to be resolved
41. Can you _____ 123321 by eleven?
v. to separate or cause to separate into parts or groups
42. The vegetarian burger was an _____ that quickly spread to the United Kingdom.
n. the creation of a new device or process resulting from study and experimentation
43. He made a New Year's _____ to exercise more and eat healthier.
n. a firm decision or determination to do or not do something; the action of solving a problem, dispute, or conflict; the quality of being resolved or determined; the clarity and sharpness of an image or display
44. The road of _____ leads to the palace of wisdom.
n. an amount or quantity beyond what is acceptable, expected, or reasonable
45. The _____ fabric was breathable and comfortable to wear.
n. a material made of a network of wire, plastic, or thread
46. The _____ train was packed with commuters during rush hour.
n. a cylindrical container of metal, plastic, glass, etc., usually sealed and used as a means of preserving food or chemicals; a hollow cylindrical shape

ANSWERS: 39. inlet, 40. pending, 41. divide, 42. innovation, 43. resolution, 44. excess, 45. mesh, 46. tube

47. He was filled with _____ and fear for the threat of war.

n. a strong feeling of dislike or disapproval

48. The _____ of the discussion was the current state of the economy.

n. a subject that is being discussed or written about

49. He studied the _____ of radiation.

n. the science of matter and energy and their interactions

50. This remote _____ is rarely visited.

n. a particular location or place; a small round or roundish area, differing in color or feels from the surface around it

51. She couldn't _____ whether to order the pizza or the pasta for dinner.

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

52. The new president was _____ immediately after the national election.

v. to fix furniture, a machine, or a piece of equipment into position so that it can be used; put into an office or a position

53. The horror movie was so _____ that I couldn't watch it alone.

adj. causing fear or fright; frightening; intimidating

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

v. to move in a circular or spiral pattern

55. He _____ deeply, trying to calm down.

v. to breathe in air or a different substance, such as smoke

ANSWERS: 47. disgust, 48. topic, 49. physics, 50. spot, 51. decide, 52. installed, 53. scary, 54. swirled, 55. inhaled

56. Children often _____ parents with this head cold.
v. to affect a person, an animal, or a plant with a disease-causing organism
57. Other technology industries _____ similarly explosive growth.
v. to show something in public for people to enjoy or to provide them with information
58. 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
59. Whenever I get a cold, I tend to _____ a lot.
v. to make a sudden, involuntary expulsion of air from the nose and mouth, usually due to irritation caused by the presence of dust, pollen, or other irritants
60. One bad apple spoils the whole _____.
n. a grouping of several similar things which are growing or fastened together
61. _____ all the parties signed the contract.
adv. almost completely
62. One light year is nearly 6 _____ miles.
n. the number 1,000,000,000,000; a million million
63. She walked down the _____ to the front of the church.
n. a passage between rows of seats in a theater, airplane, or other public building, typically one of two or more running parallel with the main body of the structure
64. Direct democracy is effective in quickly resolving _____ situations within a community.
adj. full of difficulties; difficult to deal with or solve

ANSWERS: 56. infect, 57. exhibit, 58. filter, 59. sneeze, 60. bunch, 61. Virtually, 62. trillion, 63. aisle, 64. problematic

65. Education is the _____ of civilization.

n. the act or process of sending something from one person or place to another; the process of broadcasting over the airwaves, as in radio or television

66. The construction workers wore protective gear to avoid being _____ with wet cement.

v. to scatter or spray liquid, mud, or a similar substance in small droplets or flecks; to stain or cover with such droplets or specks

67. A single _____ of water can reflect the entire world upside down.

n. a small drop of liquid

68. She enjoyed floating in the ocean's _____ zone where the waves met the shoreline

adj. occurring or existing between two things or points; intermediate in position, condition, or time

69. Police will _____ random breath testing for drunk driving.

v. to organize and carry out a particular activity

70. _____ a society is an organism.

adv. relating to the essential features or concepts of anything

ANSWERS: 65. transmission, 66. splattered, 67. droplet, 68. in-between, 69. conduct, 70. Essentially,