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Vocabulary Builder Reference from...

Harald Haas: Forget Wi-Fi. Meet the new Li-Fi Internet | TED Talk

https://www.ted.com/talks/harald_haas_forget_wi-fi_meet_the_new_li-fi_internet

All Words

IMPORTANT

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Session 1: Word List

demonstrate

v. to display something or give an exhibition to an interested audience

synonym: show, illustrate, display

(1) **demonstrate** a difference, (2) **demonstrate** mastery

How can you **demonstrate** that the earth is a sphere?

transmit

v. to send or forward an electronic signal; to pass something from one person or thing to another

synonym: convey, share, dispatch

(1) **transmit** the disease, (2) **transmit** information

Parents often **transmit** their characteristics to their children.

off-the-shelf

adj. of or relating to a product or solution that is readily available and does not require customization or special ordering; typically used in contrast to products that are tailor-made or bespoke

synonym: ready-made, pre-made, pre-fabricated

(1) **off-the-shelf** software, (2) **off-the-shelf** solution

The event planners bought **off-the-shelf** decorations to save time and money.

laptop

n. a portable computer that is small enough to be carried around easily and used on your lap

(1) bring my **laptop**, (2) thin-and-light **laptop**

I need to finish this report by tonight, so I'll be working on my **laptop** all day.

receiver

n. the part of a phone that you hold close to your ear and mouth; a person who receives something

synonym: acceptor, recipient, collector

(1) a GPS **receiver**, (2) aid **receiver**

Delivery companies often require the **receiver's** signature to certify the completion of package delivery.

involve

v. to include or affect someone or something as a necessary part of something else

synonym: implicate, include, engage

(1) **involve** a lot of paperwork, (2) **involve** a high degree of risk

The investigation **involves** several government agencies and is expected to take several months.

massive

adj. enormous amount; very heavy and solid

synonym: enormous, giant, immense

(1) **massive** amounts, (2) **massive** stars

The recent economic downturn has resulted in **massive** layoffs.

extension

n. a thing that is added to something to make it longer, larger, or wider; an educational opportunity provided by colleges and universities to people who are not enrolled as regular students; an additional telephone set that is connected to the same telephone line

synonym: addition, augment, supplement

(1) time **extension**, (2) telephone **extension**

They are building an **extension** to the house to add more bedrooms.

digital

adj. processing or storing information as a succession of 1 and 0 to show that a signal is present or missing;

relating to the use of computer technology, especially the internet

synonym : numerical, computerized, cyber

(1) a **digital** watch, (2) **digital** electronic signature

Sensors convert physical phenomena into **digital** signals.

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?

device

n. a piece of equipment, tool, or technology that serves a particular purpose or function, often mechanical or electronic

synonym : gadget, instrument, tool

(1) electronic **device**, (2) tracking **device**

I always carry a backup **device** in case my phone runs out of battery.

neutral

adj. not helping or assisting either side in a conflict, argument, etc.

synonym : impartial, uninvolved, halfhearted

(1) permanently **neutral** country, (2) **neutral** colors

A legislative speaker should always be **neutral**.

infrastructure

n. the basic systems, services, or features that are necessary for an organization or country, such as transport and power supplies

synonym : foundation, framework

(1) IT **infrastructure**, (2) **infrastructure** cost

Aging societies tend to require huge costs for **infrastructure** maintenance.

fidelity

n. faithfulness to a person, cause, or thing; loyalty or devotion to a duty or obligation; accuracy or exactness in reproducing or representing something

synonym : loyalty, devotion, allegiance

(1) **fidelity** guarantee deposit, (2) high **fidelity** music

The couple promised each other **fidelity** in their marriage VOWS.

incredibly

adv. in a way that is very difficult to believe; exceedingly or extremely

synonym : enormously, exceptionally, extraordinarily

(1) **incredibly** cheerful character, (2) get **incredibly** insecure

Several cities are experiencing **incredibly** high unemployment rates.

transport

n. a system for moving people or products from one location to another using automobiles, roads, and so on

synonym : shipment, transit, conveyance

(1) **transport** facilities, (2) access to public **transport**

Enhanced rail **transportation** is crucial for our business.

encode

v. to convert information into a code or format suitable for storage or transmission

synonym : transcribe, convert

(1) **encode** data, (2) **encode** information

The software can **encode** and decode encrypted messages.

subtle

adj. not readily apparent or visible

synonym : slight, nuanced, exquisite

(1) **subtle** changes, (2) a **subtle** poison

A famous artist painted the room in a **subtle** pink hue.

transmitter

n. a piece of equipment used for generating and sending electronic signals, especially radio or television signals

synonym : sender

(1) a **transmitter** of a family line, (2) radio **transmitter**

This substance acts as a neural **transmitter** substance.

detect

v. to find or recognize something, especially something difficult to see, hear, etc.

synonym : catch, observe, notice

(1) **detect** a bad event, (2) **detect** smuggling across borders

The security camera has **detected** four intruders.

panel

n. a square or rectangular and flat piece of something that forms a distinct section or component of something; a small group of specialists who discuss particular topics or give their advice or opinion about something

synonym : board, commission, discussion

(1) **panel** discussion, (2) cost of solar **panels**

A **panel** of economic advisers from the United States visited the country to help rebuild its economy.

absorb

v. to take in a fluid or other substance gradually

synonym : consume, soak, ingest

(1) **absorb** energy, (2) **absorb** a shock

The sponge **absorbs** water well.

convert

v. to have a talk with someone; (adjective) reversed in order, relation, or action

synonym : alter, remake, transform

(1) **convert** fat into energy, (2) **convert** base 10 to base 16

I want to **convert** my sadness into strength.

electrical

adj. relating to electricity

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

Actuators convert **electrical** pulses into motion.

fluctuate

v. to rise and fall irregularly or unexpectedly; to vary or change often and unpredictably

synonym : vary, oscillate, sway

(1) **fluctuate** prices, (2) **fluctuate** rapidly

Stock prices **fluctuate** daily based on market demand and supply.

harvest

n. yields of plants in a single growing season; the period of the year when gathering occurs on a farm

synonym : crop, reaping, yield

(1) a scanty **harvest**, (2) reap a **harvest**

During **harvest**, farmers are incredibly busy.

principal

adj. most important, main, or chief

synonym : main, leading, chief

(1) **principal** actor, (2) **principal** responsible

The **principal** reason for the company's success is its innovative products.

mechanism

n. a part of a machine, or a set of parts that performs a task; a natural or established process that occurs during a specific situation or reaction

synonym : means, method, system

(1) the **mechanism** for DNA replication, (2) defense **mechanism**

He discovered unique **mechanisms** for photochemical reactions.

fluctuation

n. a change, or the process of changing, that frequently happens, especially from one extreme to another; the quality of being unsteady and subject to changes

synonym : change, instability, flux

(1) price **fluctuations**, (2) **fluctuation** of water level

Temperature **fluctuations** are often milder in oceanfront areas.

correspond

v. to match or be similar to something else almost exactly; to exchange messages

synonym : match, equate, communicate

(1) **correspond** to a standard, (2) **correspond** with a foreign student

The numbers on the sign **correspond** to points on the map.

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

synonym: workshop, laboratory, research chamber

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

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

byte *n.* a unit of digital information that consists of 8 bits, typically used to represent a single character of text or a small amount of computer code

(1) **byte** code, (2) **byte** array

The computer hard drive had plenty of storage space but was running low on available **bytes**.

broadband *n.* a type of high-speed internet connection that provides wide bandwidth for faster data transmission; any communication technology that allows high-speed data transfer

(1) mobile **broadband**, (2) fiber-optic **broadband**

I need to upgrade my Internet plan to get faster **broadband** speeds.

instrument *n.* an object used to make musical sounds, such as a piano, guitar, or drum; a tool or device used for a specific activity, particularly in specialist or scientific work

synonym: apparatus, tool, device

(1) musical **instruments**, (2) surgical **instruments**

This electronic **instrument** is required to undergo periodic inspections to ensure precision.

visualize *v.* to form a mental image or concept of something; to make something visible

synonym: imagine, picture, envision

(1) **visualize** data, (2) **visualize** flying through space

She tried to **visualize** the layout of the new house in her mind.

ambient

adj. relating to the immediate surroundings of something; creating a particular atmosphere or mood, often through sound or lighting

synonym : atmospheric, surrounding, encompassing

(1) **ambient** temperature, (2) **ambient** air pollution

The **ambient** lighting in the restaurant created a cozy and romantic atmosphere.

stream

n. a small, narrow river; a continuous flow of something, such as liquid, gas, people, vehicles, etc.

synonym : flow, current, brook

(1) the **stream** of time, (2) an endless **stream** of cars

Jet **streams** are the common name for air currents that form high in the atmosphere.

recognize

v. to acknowledge or realize something or someone; to identify, remember, or become aware of something that was previously known or encountered

synonym : acknowledge, identify, admit

(1) **recognize** talent, (2) **recognize** achievement

It's important to **recognize** your strengths and weaknesses.

restart

v. to start something again, especially after a pause or interruption

synonym : continue, resume, begin anew

(1) **restart** a game, (2) **restart** a nuclear reactor

She tried to **restart** the conversation after the awkward silence.

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.

- fog**
- n.* a thick cloud consisting of tiny water droplets or ice crystals suspended in the air at or near the Earth's surface; a weather condition in which visibility is reduced because of a cloud of water
- synonym* : cloud, mist, smog
- (1) a dense **fog**, (2) front **fog** lights
- The **fog** cleared away, and the star-filled sky appeared.
- handkerchief**
- n.* a small square or rectangular piece of cloth, typically carried or kept in one's pocket or purse for various purposes, such as wiping one's face or hands, or as a fashion accessory
- synonym* : hankie, pocket square
- (1) **handkerchief** embroidery, (2) patterned **handkerchief**
- She used her silk **handkerchief** to wipe away her tears.
- sufficient**
- adj.* adequate; enough for a particular purpose or requirement
- synonym* : acceptable, ample, satisfactory
- (1) **sufficient** time, (2) self- **sufficient** economy
- That candidate does not have **sufficient** means to win an election with certainty.
- decode**
- v.* to convert something, such as a message or piece of information, from a specific form into one that you can understand
- synonym* : decipher, translate, interpret
- (1) **decode** a message, (2) ability to **decode** the differences
- The software could **decode** the encrypted data and reveal the hidden information.
- definition**
- n.* a concise explanation of the meaning of a word, phrase, or symbol
- synonym* : description, connotation, meaning
- (1) a precise **definition**, (2) the **definition** of a word
- Parallel lines are, by **definition**, lines on the same plane that never cross.

wireless

adj. of or relating a connection or communication that does not require a physical wire or cable, often through the use of radio waves or electromagnetic signals

synonym : cordless, radio

(1) **wireless** access, (2) **wireless** charging

The office's **wireless** network allows employees to work from anywhere in the building.

maintain

v. to continue to uphold or sustain; to keep in a particular state or condition; to assert or declare something to be true

synonym : preserve, uphold, sustain

(1) **maintain** order, (2) **maintain** good health

I need to **maintain** my car regularly to prevent any major mechanical issues.

primary

adj. first or highest in rank, order, or importance; most fundamental or essential; pertaining to the initial or introductory stage of something, such as a school year or election cycle

synonym : chief, main, fundamental

(1) **primary** school, (2) **primary** education

The **primary** cause of the accident was due to the icy road conditions.

function

n. the purpose or use of an object, system, or process; a particular activity or operation that is designed to serve a specific purpose; a mathematical concept that describes a relationship between two sets of values, called the input and output sets; (verb) to operate or work in a specific way, or to perform a particular task or purpose

synonym : purpose, mapping, job

(1) **function** properly, (2) immune **function**

The brain is an incredibly complex organ that controls the body's **function**.

- hut** *n.* a small, simple, and often crude shelter or dwelling, typically made of natural materials such as wood or mud
synonym : shack, cabin, cottage
(1) shepherd's **hut**, (2) fishing **hut**
The little girl lived in a small **hut** in the woods with her family.
- laser** *n.* a device that emits powerful and narrow light that can be used as a tool to cut metal through a process of optical amplification
synonym : beam, bar, ray
(1) **laser** printer, (2) pulse **laser**
The company holds patents on core components of **laser** jet printers.
- beam** *n.* a long, sturdy piece of timber, metal, or other material used to support a structure or span a distance; a ray or stream of light emitted by a source
synonym : ray, ray of light, shaft of light
(1) **beam** of light, (2) a structural **beam** of a building
The sun's **beam** shone through the window and illuminated the room.
- translucent** *adj.* allowing light to pass through but scattering it so that objects behind cannot be seen clearly; partially transparent
synonym : semi-transparent, see-through
(1) **translucent** glass, (2) **translucent** skin
The sunlight shone through the **translucent** curtains, casting a warm glow in the room.
- integrate** *v.* to combine one thing with another so that they form a whole or work together; to accept equal participation for members of all races and ethnic groups
synonym : mix, merge, combine
(1) **integrate** into the existing system, (2) **integrate** both businesses
He found that it is difficult to **integrate** socially.

regularly

adv. at regular intervals or times

synonym : repeatedly, routinely, usually

(1) **regularly** arranged, (2) post **regularly** to a blog

This site **regularly** shares high-quality academic materials.

replace

v. to take the place of something

synonym : substitute, supersede, displace

(1) **replace** one word with another, (2) **replace** a phone

Eventually, the new design will **replace** all older models.

battery

n. a device that is placed inside a car, gadget, equipment, etc. and that provides electrical power to them

synonym : electric cell, array, batch

(1) a dry **battery**, (2) **battery** charging

The engine did not start because the **battery** was flat.

demonstration

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

synonym : manifestation, presentation, show

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

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

prototype

n. a first or preliminary example of something such as a device or vehicle from which other forms are developed

synonym : mock-up, precursor, model

(1) complete a **prototype** product, (2) early **prototype**

The flying car is presently in the **prototype** stage.

confident

adj. feeling sure about your abilities or qualities or having trust in people, plans, or the future

synonym : certain, sure, convinced

(1) feel **confident**, (2) a **confident** remark

I'm not **confident** in our victory.

contribute

v. to give something, especially money or goods, to provide or achieve something together with other people

synonym : donate, devote, commit

(1) **contribute** a large sum of money to the fund,

(2) **contribute** to society

Government workers cannot **contribute** to political campaigns.

consumption

n. the amount used or eaten; the act of using up a resource such as energy, food, or materials

synonym : usage, uptake, utilization

(1) average fuel **consumption**, (2) the **consumption** of food

In our country, water **consumption** usually decreases during the winter.

opposition

n. the act of disagreeing or resisting; the state of strong disagreement

synonym : resistance, hostility, antagonism

(1) **opposition** campaign, (2) meet with **opposition**

The **opposition** party strongly disagreed with the government's proposed legislation.

Session 2: Spelling

1. ability to de___e the differences v. to convert something, such as a message or piece of information, from a specific form into one that you can understand
2. fiber-optic br_____nd n. a type of high-speed internet connection that provides wide bandwidth for faster data transmission; any communication technology that allows high-speed data transfer
3. musical ins_____nts n. an object used to make musical sounds, such as a piano, guitar, or drum; a tool or device used for a specific activity, particularly in specialist or scientific work
4. in_____e a lot of paperwork v. to include or affect someone or something as a necessary part of something else
5. re_____e one word with another v. to take the place of something
6. re_____e a phone v. to take the place of something
7. dem_____te mastery v. to display something or give an exhibition to an interested audience
8. time ex_____on n. a thing that is added to something to make it longer, larger, or wider; an educational opportunity provided by colleges and universities to people who are not enrolled as regular students; an additional telephone set that is connected to the same telephone line

ANSWERS: 1. decode, 2. broadband, 3. instrument, 4. involve, 5. replace, 6. replace, 7. demonstrate, 8. extension

9. pr_____al actor *adj.* most important, main, or chief
10. 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
11. l_b instrument *n.* a workplace for the conduct of scientific research; a laboratory
12. co_____t fat into energy *v.* to have a talk with someone; (adjective) reversed in order, relation, or action
13. a dense f_g *n.* a thick cloud consisting of tiny water droplets or ice crystals suspended in the air at or near the Earth's surface; a weather condition in which visibility is reduced because of a cloud of water
14. pr_____al responsible *adj.* most important, main, or chief
15. high fi_____ty music *n.* faithfulness to a person, cause, or thing; loyalty or devotion to a duty or obligation; accuracy or exactness in reproducing or representing something
16. han_____ief embroidery *n.* a small square or rectangular piece of cloth, typically carried or kept in one's pocket or purse for various purposes, such as wiping one's face or hands, or as a fashion accessory
17. get inc_____ly insecure *adv.* in a way that is very difficult to believe; exceedingly or extremely
18. 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

ANSWERS: 9. principal, 10. transmission, 11. lab, 12. convert, 13. fog, 14. principal, 15. fidelity, 16. handkerchief, 17. incredibly, 18. transmission

19. re_____t a nuclear reactor *v.* to start something again, especially after a pause or interruption
20. pulse la__r *n.* a device that emits powerful and narrow light that can be used as a tool to cut metal through a process of optical amplification
21. fi_____ty guarantee deposit *n.* faithfulness to a person, cause, or thing; loyalty or devotion to a duty or obligation; accuracy or exactness in reproducing or representing something
22. cost of solar pa__ls *n.* a square or rectangular and flat piece of something that forms a distinct section or component of something; a small group of specialists who discuss particular topics or give their advice or opinion about something
23. telephone ex_____on *n.* a thing that is added to something to make it longer, larger, or wider; an educational opportunity provided by colleges and universities to people who are not enrolled as regular students; an additional telephone set that is connected to the same telephone line
24. vi_____ze data *v.* to form a mental image or concept of something; to make something visible
25. am_____t temperature *adj.* relating to the immediate surroundings of something; creating a particular atmosphere or mood, often through sound or lighting
26. vi_____ze flying through space *v.* to form a mental image or concept of something; to make something visible

ANSWERS: 19. restart, 20. laser, 21. fidelity, 22. panel, 23. extension, 24. visualize, 25. ambient, 26. visualize

27. ab___b a shock *v.* to take in a fluid or other substance gradually
28. fishing h_t *n.* a small, simple, and often crude shelter or dwelling, typically made of natural materials such as wood or mud
29. bring my la___p *n.* a portable computer that is small enough to be carried around easily and used on your lap
30. the me_____sm for DNA replication *n.* a part of a machine, or a set of parts that performs a task; a natural or established process that occurs during a specific situation or reaction
31. di___l electronic signature *adj.* processing or storing information as a succession of 1 and 0 to show that a signal is present or missing; relating to the use of computer technology, especially the internet
32. cor_____nd to a standard *v.* to match or be similar to something else almost exactly; to exchange messages
33. ma___e amounts *adj.* enormous amount; very heavy and solid
34. post re_____ly to a blog *adv.* at regular intervals or times
35. medical l_b *n.* a workplace for the conduct of scientific research; a laboratory
36. in_____te both businesses *v.* to combine one thing with another so that they form a whole or work together; to accept equal participation for members of all races and ethnic groups
37. b__e array *n.* a unit of digital information that consists of 8 bits, typically used to represent a single character of text or a small amount of computer code

ANSWERS: 27. absorb, 28. hut, 29. laptop, 30. mechanism, 31. digital, 32. correspond, 33. massive, 34. regularly, 35. lab, 36. integrate, 37. byte

38. pa__l discussion *n.* a square or rectangular and flat piece of something that forms a distinct section or component of something; a small group of specialists who discuss particular topics or give their advice or opinion about something
39. de___t a bad event *v.* to find or recognize something, especially something difficult to see, hear, etc.
40. cor_____nd with a foreign student *v.* to match or be similar to something else almost exactly; to exchange messages
41. co_____t base 10 to base 16 *v.* to have a talk with someone; (adjective) reversed in order, relation, or action
42. re_____ze talent *v.* to acknowledge or realize something or someone; to identify, remember, or become aware of something that was previously known or encountered
43. ma_____e stars *adj.* enormous amount; very heavy and solid
44. de___t smuggling across borders *v.* to find or recognize something, especially something difficult to see, hear, etc.
45. a dry ba_____y *n.* a device that is placed inside a car, gadget, equipment, etc. and that provides electrical power to them
46. mobile br_____nd *n.* a type of high-speed internet connection that provides wide bandwidth for faster data transmission; any communication technology that allows high-speed data transfer

ANSWERS: 38. panel, 39. detect, 40. correspond, 41. convert, 42. recognize, 43. massive, 44. detect, 45. battery, 46. broadband

47. an endless st___m of cars *n.* a small, narrow river; a continuous flow of something, such as liquid, gas, people, vehicles, etc.
48. di___e money equally *v.* to separate or cause to separate into parts or groups
49. fu_____on properly *n.* the purpose or use of an object, system, or process; a particular activity or operation that is designed to serve a specific purpose; a mathematical concept that describes a relationship between two sets of values, called the input and output sets; (verb) to operate or work in a specific way, or to perform a particular task or purpose
50. en___e data *v.* to convert information into a code or format suitable for storage or transmission
51. la__r printer *n.* a device that emits powerful and narrow light that can be used as a tool to cut metal through a process of optical amplification
52. di___e the cake into two pieces *v.* to separate or cause to separate into parts or groups
53. shepherd's h_t *n.* a small, simple, and often crude shelter or dwelling, typically made of natural materials such as wood or mud
54. defense me_____sm *n.* a part of a machine, or a set of parts that performs a task; a natural or established process that occurs during a specific situation or reaction

ANSWERS: 47. stream, 48. divide, 49. function, 50. encode, 51. laser, 52. divide, 53. hut, 54. mechanism

55. meet with opp_____on *n.* the act of disagreeing or resisting; the state of strong disagreement
56. re_____ly arranged *adv.* at regular intervals or times
57. a campus dem_____ion *n.* a display or show, often of a particular skill or product, intended to convince or persuade others
58. re_____ze achievement *v.* to acknowledge or realize something or someone; to identify, remember, or become aware of something that was previously known or encountered
59. a di_____l watch *adj.* processing or storing information as a succession of 1 and 0 to show that a signal is present or missing; relating to the use of computer technology, especially the internet
60. self-suf_____nt economy *adj.* adequate; enough for a particular purpose or requirement
61. con_____te a large sum of money to the fund *v.* to give something, especially money or goods, to provide or achieve something together with other people
62. am_____t air pollution *adj.* relating to the immediate surroundings of something; creating a particular atmosphere or mood, often through sound or lighting
63. the def_____on of a word *n.* a concise explanation of the meaning of a word, phrase, or symbol
64. access to public tr_____rt *n.* a system for moving people or products from one location to another using automobiles, roads, and so on

ANSWERS: 55. opposition, 56. regularly, 57. demonstration, 58. recognize, 59. digital, 60. sufficient, 61. contribute, 62. ambient, 63. definition, 64. transport

65. price flu_____ons *n.* a change, or the process of changing, that frequently happens, especially from one extreme to another; the quality of being unsteady and subject to changes
66. an ele_____al storm *adj.* relating to electricity
67. b__e code *n.* a unit of digital information that consists of 8 bits, typically used to represent a single character of text or a small amount of computer code
68. flu_____on of water level *n.* a change, or the process of changing, that frequently happens, especially from one extreme to another; the quality of being unsteady and subject to changes
69. a scanty ha_____t *n.* yields of plants in a single growing season; the period of the year when gathering occurs on a farm
70. a GPS re_____er *n.* the part of a phone that you hold close to your ear and mouth; a person who receives something
71. feel co_____nt *adj.* feeling sure about your abilities or qualities or having trust in people, plans, or the future
72. a tra_____er of a family line *n.* a piece of equipment used for generating and sending electronic signals, especially radio or television signals
73. permanently ne_____l country *adj.* not helping or assisting either side in a conflict, argument, etc.
74. IT inf_____ure *n.* the basic systems, services, or features that are necessary for an organization or country, such as transport and power supplies

ANSWERS: 65. fluctuation, 66. electrical, 67. byte, 68. fluctuation, 69. harvest, 70. receiver, 71. confident, 72. transmitter, 73. neutral, 74. infrastructure

75. en___e information *v.* to convert information into a code or format suitable for storage or transmission
76. a co_____nt remark *adj.* feeling sure about your abilities or qualities or having trust in people, plans, or the future
77. tra_____nt skin *adj.* allowing light to pass through but scattering it so that objects behind cannot be seen clearly; partially transparent
78. complete a pr_____pe product *n.* a first or preliminary example of something such as a device or vehicle from which other forms are developed
79. average fuel con_____on *n.* the amount used or eaten; the act of using up a resource such as energy, food, or materials
80. a su___e poison *adj.* not readily apparent or visible
81. fl_____te rapidly *v.* to rise and fall irregularly or unexpectedly; to vary or change often and unpredictably
82. ma_____in good health *v.* to continue to uphold or sustain; to keep in a particular state or condition; to assert or declare something to be true
83. aid re_____er *n.* the part of a phone that you hold close to your ear and mouth; a person who receives something
84. inf_____ure cost *n.* the basic systems, services, or features that are necessary for an organization or country, such as transport and power supplies

ANSWERS: 75. encode, 76. confident, 77. translucent, 78. prototype, 79. consumption, 80. subtle, 81. fluctuate, 82. maintain, 83. receiver, 84. infrastructure

85. ne____l colors *adj.* not helping or assisting either side in a conflict, argument, etc.
86. the con_____on of food *n.* the amount used or eaten; the act of using up a resource such as energy, food, or materials
87. in_____te into the existing system *v.* to combine one thing with another so that they form a whole or work together; to accept equal participation for members of all races and ethnic groups
88. a precise def_____on *n.* a concise explanation of the meaning of a word, phrase, or symbol
89. off_____elf solution *adj.* of or relating to a product or solution that is readily available and does not require customization or special ordering; typically used in contrast to products that are tailor-made or bespoke
90. patterned han_____ief *n.* a small square or rectangular piece of cloth, typically carried or kept in one's pocket or purse for various purposes, such as wiping one's face or hands, or as a fashion accessory
91. ba_____y charging *n.* a device that is placed inside a car, gadget, equipment, etc. and that provides electrical power to them
92. pr_____y school *adj.* first or highest in rank, order, or importance; most fundamental or essential; pertaining to the initial or introductory stage of something, such as a school year or election cycle

ANSWERS: 85. neutral, 86. consumption, 87. integrate, 88. definition, 89. off-the-shelf, 90. handkerchief, 91. battery, 92. primary

101. radio tra_____er *n.* a piece of equipment used for generating and sending electronic signals, especially radio or television signals
102. in_____e a high degree of risk *v.* to include or affect someone or something as a necessary part of something else
103. dem_____te a difference *v.* to display something or give an exhibition to an interested audience
104. tr_____rt facilities *n.* a system for moving people or products from one location to another using automobiles, roads, and so on
105. front f_g lights *n.* a thick cloud consisting of tiny water droplets or ice crystals suspended in the air at or near the Earth's surface; a weather condition in which visibility is reduced because of a cloud of water
106. b__m of light *n.* a long, sturdy piece of timber, metal, or other material used to support a structure or span a distance; a ray or stream of light emitted by a source
107. tracking de___e *n.* a piece of equipment, tool, or technology that serves a particular purpose or function, often mechanical or electronic
108. inc_____ly cheerful character *adv.* in a way that is very difficult to believe; exceedingly or extremely
109. electronic de___e *n.* a piece of equipment, tool, or technology that serves a particular purpose or function, often mechanical or electronic

ANSWERS: 101. transmitter, 102. involve, 103. demonstrate, 104. transport, 105. fog, 106. beam, 107. device, 108. incredibly, 109. device

110. the st___m of time *n.* a small, narrow river; a continuous flow of something, such as liquid, gas, people, vehicles, etc.
111. tr_____it the disease *v.* to send or forward an electronic signal; to pass something from one person or thing to another
112. a structural b__m of a building *n.* a long, sturdy piece of timber, metal, or other material used to support a structure or span a distance; a ray or stream of light emitted by a source
113. ab___b energy *v.* to take in a fluid or other substance gradually
114. su___e changes *adj.* not readily apparent or visible
115. wi_____ss access *adj.* of or relating a connection or communication that does not require a physical wire or cable, often through the use of radio waves or electromagnetic signals
116. fl_____te prices *v.* to rise and fall irregularly or unexpectedly; to vary or change often and unpredictably
117. early pr_____pe *n.* a first or preliminary example of something such as a device or vehicle from which other forms are developed
118. immune fu_____on *n.* the purpose or use of an object, system, or process; a particular activity or operation that is designed to serve a specific purpose; a mathematical concept that describes a relationship between two sets of values, called the input and output sets; (verb) to operate or work in a specific way, or to perform a particular task or purpose

ANSWERS: 110. stream, 111. transmit, 112. beam, 113. absorb, 114. subtle, 115. wireless, 116. fluctuate, 117. prototype, 118. function

119. ma_____in order *v.* to continue to uphold or sustain; to keep in a particular state or condition; to assert or declare something to be true
120. tra_____nt glass *adj.* allowing light to pass through but scattering it so that objects behind cannot be seen clearly; partially transparent
121. thin-and-light la____p *n.* a portable computer that is small enough to be carried around easily and used on your lap
122. re_____t a game *v.* to start something again, especially after a pause or interruption
123. con_____te to society *v.* to give something, especially money or goods, to provide or achieve something together with other people
124. pr_____y education *adj.* first or highest in rank, order, or importance; most fundamental or essential; pertaining to the initial or introductory stage of something, such as a school year or election cycle
125. dem_____ion project *n.* a display or show, often of a particular skill or product, intended to convince or persuade others
126. degree in ele_____al engineering *adj.* relating to electricity

ANSWERS: 119. maintain, 120. translucent, 121. laptop, 122. restart, 123. contribute, 124. primary, 125. demonstration, 126. electrical

Session 3: Fill in the Blanks

1. She used her silk _____ to wipe away her tears.
n. a small square or rectangular piece of cloth, typically carried or kept in one's pocket or purse for various purposes, such as wiping one's face or hands, or as a fashion accessory
2. The sponge _____ water well.
v. to take in a fluid or other substance gradually
3. The company holds patents on core components of _____ jet printers.
n. a device that emits powerful and narrow light that can be used as a tool to cut metal through a process of optical amplification
4. The sun's _____ shone through the window and illuminated the room.
n. a long, sturdy piece of timber, metal, or other material used to support a structure or span a distance; a ray or stream of light emitted by a source
5. The _____ cause of the accident was due to the icy road conditions.
adj. first or highest in rank, order, or importance; most fundamental or essential; pertaining to the initial or introductory stage of something, such as a school year or election cycle
6. Aging societies tend to require huge costs for _____ maintenance.
n. the basic systems, services, or features that are necessary for an organization or country, such as transport and power supplies
7. The little girl lived in a small _____ in the woods with her family.
n. a small, simple, and often crude shelter or dwelling, typically made of natural materials such as wood or mud

ANSWERS: 1. handkerchief, 2. absorbs, 3. laser, 4. beam, 5. primary, 6. infrastructure, 7. hut

8. He found that it is difficult to _____ socially.
- v.* to combine one thing with another so that they form a whole or work together; to accept equal participation for members of all races and ethnic groups
9. I'm not _____ in our victory.
- adj.* feeling sure about your abilities or qualities or having trust in people, plans, or the future
10. 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
11. The _____ reason for the company's success is its innovative products.
- adj.* most important, main, or chief
12. Eventually, the new design will _____ all older models.
- v.* to take the place of something
13. Sensors convert physical phenomena into _____ signals.
- adj.* processing or storing information as a succession of 1 and 0 to show that a signal is present or missing; relating to the use of computer technology, especially the internet
14. The engine did not start because the _____ was flat.
- n.* a device that is placed inside a car, gadget, equipment, etc. and that provides electrical power to them
15. Actuators convert _____ pulses into motion.
- adj.* relating to electricity

ANSWERS: 8. integrate, 9. confident, 10. transmission, 11. principal, 12. replace, 13. digital, 14. battery, 15. electrical

16. This site _____ shares high-quality academic materials.

adv. at regular intervals or times

17. I want to _____ my sadness into strength.

v. to have a talk with someone; (adjective) reversed in order, relation, or action

18. Delivery companies often require the _____ signature to certify the completion of package delivery.

n. the part of a phone that you hold close to your ear and mouth; a person who receives something

19. The event planners bought _____ decorations to save time and money.

adj. of or relating to a product or solution that is readily available and does not require customization or special ordering; typically used in contrast to products that are tailor-made or bespoke

20. I need to upgrade my Internet plan to get faster _____ speeds.

n. a type of high-speed internet connection that provides wide bandwidth for faster data transmission; any communication technology that allows high-speed data transfer

21. The _____ party strongly disagreed with the government's proposed legislation.

n. the act of disagreeing or resisting; the state of strong disagreement

22. The office's _____ network allows employees to work from anywhere in the building.

adj. of or relating a connection or communication that does not require a physical wire or cable, often through the use of radio waves or electromagnetic signals

ANSWERS: 16. regularly, 17. convert, 18. receiver's, 19. off-the-shelf, 20. broadband, 21. opposition, 22. wireless

23. The software could _____ the encrypted data and reveal the hidden information.
- v.* to convert something, such as a message or piece of information, from a specific form into one that you can understand
24. Stock prices _____ daily based on market demand and supply.
- v.* to rise and fall irregularly or unexpectedly; to vary or change often and unpredictably
25. The recent economic downturn has resulted in _____ layoffs.
- adj.* enormous amount; very heavy and solid
26. Thousands of people attended the protest _____ against the proposed policy.
- n.* a display or show, often of a particular skill or product, intended to convince or persuade others
27. The brain is an incredibly complex organ that controls the body's _____.
- n.* the purpose or use of an object, system, or process; a particular activity or operation that is designed to serve a specific purpose; a mathematical concept that describes a relationship between two sets of values, called the input and output sets; (verb) to operate or work in a specific way, or to perform a particular task or purpose
28. That candidate does not have _____ means to win an election with certainty.
- adj.* adequate; enough for a particular purpose or requirement
29. It's important to _____ your strengths and weaknesses.
- v.* to acknowledge or realize something or someone; to identify, remember, or become aware of something that was previously known or encountered

ANSWERS: 23. decode, 24. fluctuate, 25. massive, 26. demonstration, 27. function, 28. sufficient, 29. recognize

30. This substance acts as a neural _____ substance.
- n.* a piece of equipment used for generating and sending electronic signals, especially radio or television signals
31. The Prime Minister will pay a courtesy visit to the Nobel laureate's ____.
- n.* a workplace for the conduct of scientific research; a laboratory
32. This electronic _____ is required to undergo periodic inspections to ensure precision.
- n.* an object used to make musical sounds, such as a piano, guitar, or drum; a tool or device used for a specific activity, particularly in specialist or scientific work
33. Government workers cannot _____ to political campaigns.
- v.* to give something, especially money or goods, to provide or achieve something together with other people
34. Jet _____ are the common name for air currents that form high in the atmosphere.
- n.* a small, narrow river; a continuous flow of something, such as liquid, gas, people, vehicles, etc.
35. Several cities are experiencing _____ high unemployment rates.
- adv.* in a way that is very difficult to believe; exceedingly or extremely
36. The investigation _____ several government agencies and is expected to take several months.
- v.* to include or affect someone or something as a necessary part of something else
37. A _____ of economic advisers from the United States visited the country to help rebuild its economy.
- n.* a square or rectangular and flat piece of something that forms a distinct section or component of something; a small group of specialists who discuss particular topics or give their advice or opinion about something

ANSWERS: 30. transmitter, 31. lab, 32. instrument, 33. contribute, 34. streams, 35.

incredibly, 36. involves, 37. panel

38. The couple promised each other _____ in their marriage vows.
n. faithfulness to a person, cause, or thing; loyalty or devotion to a duty or obligation; accuracy or exactness in reproducing or representing something
39. The software can _____ and decode encrypted messages.
v. to convert information into a code or format suitable for storage or transmission
40. The ____ cleared away, and the star-filled sky appeared.
n. a thick cloud consisting of tiny water droplets or ice crystals suspended in the air at or near the Earth's surface; a weather condition in which visibility is reduced because of a cloud of water
41. I need to finish this report by tonight, so I'll be working on my _____ all day.
n. a portable computer that is small enough to be carried around easily and used on your lap
42. In our country, water _____ usually decreases during the winter.
n. the amount used or eaten; the act of using up a resource such as energy, food, or materials
43. She tried to _____ the conversation after the awkward silence.
v. to start something again, especially after a pause or interruption
44. The _____ lighting in the restaurant created a cozy and romantic atmosphere.
adj. relating to the immediate surroundings of something; creating a particular atmosphere or mood, often through sound or lighting
45. I need to _____ my car regularly to prevent any major mechanical issues.
v. to continue to uphold or sustain; to keep in a particular state or condition; to assert or declare something to be true

ANSWERS: 38. fidelity, 39. encode, 40. fog, 41. laptop, 42. consumption, 43. restart, 44. ambient, 45. maintain

46. They are building an _____ to the house to add more bedrooms.
- n.* a thing that is added to something to make it longer, larger, or wider; an educational opportunity provided by colleges and universities to people who are not enrolled as regular students; an additional telephone set that is connected to the same telephone line
47. Parallel lines are, by _____ lines on the same plane that never cross.
- n.* a concise explanation of the meaning of a word, phrase, or symbol
48. The security camera has _____ four intruders.
- v.* to find or recognize something, especially something difficult to see, hear, etc.
49. How can you _____ that the earth is a sphere?
- v.* to display something or give an exhibition to an interested audience
50. Parents often _____ their characteristics to their children.
- v.* to send or forward an electronic signal; to pass something from one person or thing to another
51. The sunlight shone through the _____ curtains, casting a warm glow in the room.
- adj.* allowing light to pass through but scattering it so that objects behind cannot be seen clearly; partially transparent
52. Enhanced rail _____ is crucial for our business.
- n.* a system for moving people or products from one location to another using automobiles, roads, and so on
53. She tried to _____ the layout of the new house in her mind.
- v.* to form a mental image or concept of something; to make something visible

ANSWERS: 46. extension, 47. definition, 48. detected, 49. demonstrate, 50. transmit, 51. translucent, 52. transportation, 53. visualize

54. I always carry a backup _____ in case my phone runs out of battery.
n. a piece of equipment, tool, or technology that serves a particular purpose or function, often mechanical or electronic
55. The numbers on the sign _____ to points on the map.
v. to match or be similar to something else almost exactly; to exchange messages
56. He discovered unique _____ for photochemical reactions.
n. a part of a machine, or a set of parts that performs a task; a natural or established process that occurs during a specific situation or reaction
57. Temperature _____ are often milder in oceanfront areas.
n. a change, or the process of changing, that frequently happens, especially from one extreme to another; the quality of being unsteady and subject to changes
58. A famous artist painted the room in a _____ pink hue.
adj. not readily apparent or visible
59. The computer hard drive had plenty of storage space but was running low on available _____.
n. a unit of digital information that consists of 8 bits, typically used to represent a single character of text or a small amount of computer code
60. Can you _____ 123321 by eleven?
v. to separate or cause to separate into parts or groups
61. The flying car is presently in the _____ stage.
n. a first or preliminary example of something such as a device or vehicle from which other forms are developed

ANSWERS: 54. device, 55. correspond, 56. mechanisms, 57. fluctuations, 58. subtle, 59. bytes, 60. divide, 61. prototype

62. During _____ farmers are incredibly busy.

n. yields of plants in a single growing season; the period of the year when gathering occurs on a farm

63. A legislative speaker should always be _____.

adj. not helping or assisting either side in a conflict, argument, etc.

ANSWERS: 62. harvest, 63. neutral