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Vocabulary Builder Reference from...

Henry Richardson : What does the world's largest machine do? | TED Talk

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

All Words

IMPORTANT

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Session 1: Word List

- flip** v. to turn over into a different position quickly; to throw or toss with a light motion
synonym : throw, jump
(1) **flip** over the pork chop, (2) **flip** a coin
He **flipped** when he heard that he had been accepted into the university.
- grid** n. a pattern of regularly spaced horizontal and vertical lines; a system of high tension cables by which electrical power is distributed throughout a region
synonym : gridiron, battery grid, power system
(1) a **grid** design, (2) a wire **grid**
Grid pattern roads often appear in urban areas.
- statistics** n. the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data
(1) **statistics** for cancer, (2) official **statistics**
The **statistics** demonstrate that poverty and unemployment are genuine problems.
- interconnect** v. to connect similar things
synonym : interlink, connect, annex
(1) directly **interconnect** with those systems, (2) human

activities **interconnect** with the environment

Our system can now **interconnect** with other databases.

stretch

v. to make or be capable of making anything longer or broader without hurting or breaking

synonym : lengthen, prolong, extend

(1) **stretch** along the coast, (2) **stretch** a story

Some herds have been observed to **stretch** hundreds of kilometers.

electrify

v. to make a machine or system work by using electricity; to make someone extremely enthusiastic about or interested in something

synonym : wire, amaze, astonish

(1) **electrify** the audience, (2) **electrify** a manufacturing process

The product developed through years of research continues to **electrify** the market.

powerline

n. a system of cables, pylons, and other equipment used to distribute electrical power from a source, such as a power station, to homes, businesses, and other facilities

synonym : power cable, transmission line, electric cable

(1) **powerline** construction, (2) **powerline** maintenance

A storm knocked down a **powerline** tower, causing a blackout in the neighborhood.

transform

v. to change in outward structure or looks;

synonym : alter, convert, change

(1) **transform** an education system, (2) **transform** heat into power

My father's death **transformed** my life completely.

substation

n. a facility where high-voltage electric power is transformed to a lower voltage, allowing the energy to be distributed through power lines to homes and businesses

synonym : power plant, electrical grid

(1) distribution **substation**, (2) power **substation**

A malfunction at the **substation** caused the power outage.

span

n. the entire length of something, such as time or space from beginning to end; the amount of space that something covers

synonym : interval, period, length

(1) the **span** of a bird's wings, (2) the average life **span**

He slightly modified the **span** of training because it was just before a match.

continent

n. one of the earth's large landmasses; (adjective) abstaining from your feelings, especially your desire to have sex

synonym : landmass, (adjective) chaste, (adjective) pure

(1) the inland of a **continent**, (2) **continent** urinary diversion

Flight across the **continent** was a daring adventure in its day.

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.

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.

feat

n. a notable or impressive achievement, especially one that requires great skill or bravery

synonym : achievement, accomplishment, exploit

(1) intellectual **feat**, (2) **feat** accomplishment

It is an incredible **feat** to climb Mount Everest, the highest

mountain in the world.

engineer

n. a person whose job is designing, building, or maintaining something such as machines, structures, or software

synonym : architect, creator, builder

(1) a civil **engineer**, (2) **engineer** shortage

The **engineer** will repair my telephone tomorrow morning.

balance

n. a condition in which everything has the same weight or force; something left after other parts have been taken away

synonym : equilibrium, counterpoise, remainder

(1) the **balance** of power, (2) asset on the company's **balance** sheet

Try to keep a **balance** between work and off.

component

n. one of several parts that combines with others to form something bigger

synonym : element, part, factor

(1) key **component**, (2) spare **components** for cars

The researchers try to discover a common **component** in all types of successful organizations.

unison

n. occurring or corresponding together, simultaneously, or exactly; (music) two or more sounds or tones at the same pitch or in octaves

synonym : harmony, accord, unanimity

(1) singing in **unison**, (2) clap the hands in **unison**

They saluted in **unison** to the captain.

constant

adj. happening repeatedly or all the time

synonym : ceaseless, stable, unchanging

(1) a **constant** wind, (2) a **constant** temperature

Constant dropping wears away the stone.

frequency

n. an ordered array of colors into which a light beam can be split

synonym : recurrence, repetition, regularity

(1) **frequency** band, (2) high **frequency**

The oscillator hunts for the correct **frequency**.

spike

n. a narrow, thin, pointed piece of metal, wood, etc.; a sudden large increase in the magnitude or concentration of something

synonym : end, spindle, point

(1) to **spike**, (2) to prevent blood sugar **spikes**

The recent **spike** in grain prices is partly due to the war in the producing countries.

overheat

v. to become too hot, or to cause something to become too hot

synonym : become too hot, heat up too much

(1) **overheat** while charging, (2) starts to **overheat**

The car engine **overheated** and had to be repaired.

dam

n. a wall constructed over a river to block the flow of water, mainly used to generate energy

synonym : barricade, barrier, embankment

(1) **dam-building** program, (2) **dam** collapsing

The break in the **dam** threatened the valley.

equip

v. to provide a person or a place with the things that are needed for a particular purpose or activity

synonym : prepare, furnish, provide

(1) **equip** an army, (2) **equip** our children with some special skills

The construction company **equipped** the building with an earthquake-resistant device.

blackout

n. a loss of electric power for a general region; a suspension of radio or TV broadcasting; a momentary loss of consciousness

synonym : outage, failure, knockout

(1) media **blackout**, (2) memory **blackout**

The nationwide **blackout** caused widespread power outages and disrupted daily life.

strike

v. to wallop somebody or something with the hand, fist, or weapon; to have an emotional or cognitive impact upon
synonym : hit, impact, influence

(1) **strike** up a conversation, (2) **strike** a blow

We **strike** to achieve more wages and safer working conditions.

operator

n. a person who uses and controls machinery or equipment; a mathematical symbol used to perform calculations

synonym : controller, handler, manipulator

(1) **operator** error, (2) an elevator **operator**

The **operator** of the machine must follow strict safety protocols.

monitor

v. to observe, check, and track the progress or quality of something over a period of time

synonym : proctor, check, observe

(1) **monitor** an exam, (2) **monitor** the data carefully

They used a special receiver to **monitor** police radio channels.

sophisticated

adj. having a great deal of worldly experience and knowledge of people's behavior, culture, and fashion

synonym : refined, cultured, worldly

(1) **sophisticated** look, (2) a **sophisticated** lifestyle

Marketing strategies are growing more **sophisticated**.

forecast

n. a prediction or statement about how something, such as the weather, will develop or what will happen in the future; (verb) to predict the future in advance

synonym : prediction, outlook, (verb) guess

(1) a weather **forecast**, (2) **forecast** an epidemic

Their team specializes in demand **forecasts** for our products.

adjust

v. to make a minor modification to something to make it more suited for a new set of conditions or to make it function better.

synonym : adapt, alter, acclimate

(1) **adjust** a schedule, (2) **adjust** the rearview mirror

You have to **adjust** your content to the age of the audience.

precise

adj. sharply exact or accurate or delimited

synonym : accurate, exact, distinct

(1) **precise** analyses, (2) estimate **precise** costs

The content is **precise** and informative for me.

avail

v. to help or benefit; to use or take advantage of

synonym : help, benefit, serve

(1) **avail** you little, (2) **avail** ourselves of this opportunity

Their financing options are reasonable and easy to **avail**.

dispatch

v. to send someone or something somewhere for a particular purpose; to send a message or piece of information

synonym : send, release, kill

(1) **dispatch** soldiers, (2) **dispatch** a letter

The ambulance was **dispatched** to the scene of the accident.

renewable

adj. capable of being renewed, extended, or replaced

synonym : sustainable, replaceable

(1) **renewable** energy, (2) **renewable** subscriptions

The production of **renewable** fuels requires massive volumes of fresh water.

carbon

n. a chemical element that can be found in pure form as diamond or graphite, and it is also an essential part of coal and oil and is found in all plants and animals

(1) **carbon** dioxide, (2) **carbon** emission

Trees absorb **carbon** dioxide and give off oxygen.

vary

v. to become different in terms of size, shape, etc.

synonym : alter, contrast, differ

(1) **vary** according to the age, (2) **vary** directly with the price
Maximum heart rates **vary** a lot for each individual.

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.

rely

v. to require a specific thing or the assistance and support of someone or something to continue, run properly, or succeed.

synonym : depend, count, lean

(1) **rely** on convenience stores, (2) **rely** entirely on him
Babies heavily **rely** on others for food.

disposed

adj. inclined or willing to do something

synonym : prepared, inclined, apt

(1) he is evilly **disposed**, (2) **disposed** of without being eaten

I'm **disposed** to agree with your opinion.

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.

comparable

adj. able to link the similarities or differences with others; similar or equivalent to someone or something

synonym : equal, commensurate, similar

(1) **comparable** sales, (2) a **comparable** amount of energy
Humans and apes have **comparable** anatomical structures.

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.

intermittent

adj. occurring at irregular intervals; not continuous or steady; stopping and starting periodically; sporadic

synonym : sporadic, irregular, periodic

(1) **intermittent** fever, (2) **intermittent** Wi-Fi

The **intermittent** rain made it difficult to plan a picnic.

experiment

n. the scientific test conducted to observe what happens and gain new knowledge

synonym : experimentation, investigation

(1) **experiment** design, (2) series of **experiments**

His **experiments** showed highly positive results.

unique

adj. being the only one of its kind; unlike anything else

synonym : one-of-a-kind, unparalleled, incomparable

(1) a **unique** teacher, (2) **unique** design

The painting is **unique**, and there is no other like it.

storage

n. the act or process of putting in and keeping something in a particular place for use in the future; an electronic memory device that can store information

synonym : storehouse, depository, warehousing

(1) a **storage** battery, (2) **storage** at low temperature

We store customer data in cloud **storage**.

substantial

adj. fairly large in size, value, or importance

synonym : significant, notable, actual

(1) a **substantial** amount of capital, (2) have a **substantial** meal

The pandemic was a **substantial** business opportunity for certain companies.

invest

v. to put money, effort, time, etc. into something to make a profit or achieve a result

synonym : fund, sponsor, support

(1) **invest** in stocks, (2) **invest** capital

The government should view children as national assets and actively **invest** in them.

opportune

adj. suitable or happening at a time that is suitable or convenient for a particular purpose

synonym : suitable, timely, practical

(1) **opportune** occasion, (2) an **opportune** remark

The phone rang at the most **opportune** time.

shifting

adj. constantly changing or moving

synonym : unfirm, shifty, fluctuating

(1) **shifting** balance, (2) continuously **shifting** landscape

Trends in the fashion industry are so **shifting** that it is challenging to keep up with them.

spare

adj. additional to what is necessary for ordinary use; (verb) to give time, money, space, etc. to someone

synonym : extra, excess, (verb) afford

(1) **spare** parts, (2) **spare** cost

I made plans to spend my **spare** time beneficially.

lean

adj. having a noticeably small amount of body fat; (verb) to bend or move from a straight to a sloping posture

synonym : skinny, slender, (verb) slant

(1) a **lean** horse, (2) **lean** athletic figure

Lean operational improvements often lead to better environmental performance.

concept

n. an idea or principle associated with something abstract

synonym : idea, notion, vision

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

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

flexibility

n. the quality of changing or being changed easily according to new conditions or situations

synonym : elasticity, adaptability, resilience

(1) mental **flexibility**, (2) the **flexibility** of the body

We dealt with those problems with speed and **flexibility**.

peak

n. the point to which something or someone is at its strongest, best, or most successful; the pointed top of a mountain

synonym : summit, vertex, apex

(1) at **peak** hour, (2) the **peak** current in the circuit

This measurement aims to reduce traffic at **peak** periods.

automated

adj. carried out by machines or computers to replace or decrease human labor

synonym : computerized, mechanical, laborsaving

(1) **automated** manual transmission, (2) **automated** way

The plant will continue operating through an **automated** system 24 hours a day.

emission

n. the act of production or sending out gas, heat, light, etc.

synonym : emanation, radiation, discharge

(1) global **emissions** of greenhouse gases, (2) the **emission** of light

There are five distinct **emissions** at five unique wavelengths.

reduction

n. a decrease in size, amount, or degree

synonym : diminution, decrease, cutback

(1) **reduction** strategy, (2) a gradual **reduction**

The **reduction** in carbon emissions has been significant since the implementation of the new policy.

tap

v. to hit someone or something quickly, gently, and often repeatedly; to use existing resources, such as energy, knowledge, etc.

synonym : knock, exploit, use

(1) **tap** a new market, (2) **tap** keyboard with an index finger

To expand the company, we must **tap** new human resources.

charger

n. a device used to supply electricity to recharge a battery or power a device

synonym : power supply, adaptor, transformer

(1) portable **charger**, (2) battery **charger**

Remember to bring your phone **charger** with you when you go on vacation.

implement

v. to put a decision, plan, or system into effect

synonym : execute, enforce, put through

(1) **implement** a corporate strategy, (2) **implement** security measures

The government promised to **implement** a new system to control the financial crisis.

coordinate

v. to bring the different parts of the activity and the people into an organized, ordered, or efficient relationship;
(adjective) of equal importance, rank, or degree

synonym : organize, harmonize, ordinate

(1) **coordinate** a special project, (2) a **coordinate** clause

We want to **coordinate** a schedule for the investigation.

translate

v. to convert or change words into another language

synonym : convert, transcribe, render

(1) **translate** a document into English, (2) **translate** the emotion to a movement

Translate the text from Italian into English.

release

v. to set free or allow to escape from confinement

synonym : free, let go, discharge

(1) **release** a prisoner, (2) **release** CO2 into the air

The animal rights group worked to **release** the dolphins back into the wild.

atmosphere

n. the mass of air that surrounds the Earth; the pervading tone or mood of a place, situation, or creative work

synonym : air, ambiance, circumstances

(1) carbon dioxide in the **atmosphere**, (2) a convivial

atmosphere

The spaceship began to burn up as it approached the Earth's **atmosphere**.

Session 2: Spelling

- | | |
|--|---|
| 1. a wire g__d | <i>n.</i> a pattern of regularly spaced horizontal and vertical lines; a system of high tension cables by which electrical power is distributed throughout a region |
| 2. intellectual f__t | <i>n.</i> a notable or impressive achievement, especially one that requires great skill or bravery |
| 3. continuously sh_____ng landscape | <i>adj.</i> constantly changing or moving |
| 4. op_____or error | <i>n.</i> a person who uses and controls machinery or equipment; a mathematical symbol used to perform calculations |
| 5. high fr_____cy | <i>n.</i> an ordered array of colors into which a light beam can be split |
| 6. directly int_____ect with those systems | <i>v.</i> to connect similar things |
| 7. sp__e cost | <i>adj.</i> additional to what is necessary for ordinary use; (verb) to give time, money, space, etc. to someone |
| 8. tr_____it the disease | <i>v.</i> to send or forward an electronic signal; to pass something from one person or thing to another |
| 9. singing in un____n | <i>n.</i> occurring or corresponding together, simultaneously, or exactly; (music) two or more sounds or tones at the same pitch or in octaves |

ANSWERS: 1. grid, 2. feat, 3. shifting, 4. operator, 5. frequency, 6. interconnect, 7. spare, 8. transmit, 9. unison

- | | | |
|---|-------------|--|
| 10. battery ch_____r | <i>n.</i> | a device used to supply electricity to recharge a battery or power a device |
| 11. the worst case sc_____io | <i>n.</i> | a description of possible actions or events in the future; a written outline of a play, film, or literary work |
| 12. mo_____r an exam | <i>v.</i> | to observe, check, and track the progress or quality of something over a period of time |
| 13. spare co_____nts for cars | <i>n.</i> | one of several parts that combines with others to form something bigger |
| 14. global em_____ons of greenhouse gases | <i>n.</i> | the act of production or sending out gas, heat, light, etc. |
| 15. exp_____nt design | <i>n.</i> | the scientific test conducted to observe what happens and gain new knowledge |
| 16. post re_____ly to a blog | <i>adv.</i> | at regular intervals or times |
| 17. memory bl_____ut | <i>n.</i> | a loss of electric power for a general region; a suspension of radio or TV broadcasting; a momentary loss of consciousness |
| 18. d_m-building program | <i>n.</i> | a wall constructed over a river to block the flow of water, mainly used to generate energy |
| 19. an op_____ne remark | <i>adj.</i> | suitable or happening at a time that is suitable or convenient for a particular purpose |
| 20. media bl_____ut | <i>n.</i> | a loss of electric power for a general region; a suspension of radio or TV broadcasting; a momentary loss of consciousness |

ANSWERS: 10. charger, 11. scenario, 12. monitor, 13. component, 14. emission, 15. experiment, 16. regularly, 17. blackout, 18. dam, 19. opportune, 20. blackout

21. tr_____rm an education system *v.* to change in outward structure or looks;
22. a weather fo_____st *n.* a prediction or statement about how something, such as the weather, will develop or what will happen in the future; (*v.*) to predict the future in advance
23. tr_____rm heat into power *v.* to change in outward structure or looks;
24. av__l ourselves of this opportunity *v.* to help or benefit; to use or take advantage of
25. st_____h a story *v.* to make or be capable of making anything longer or broader without hurting or breaking
26. fr_____cy band *n.* an ordered array of colors into which a light beam can be split
27. key co_____nt *n.* one of several parts that combines with others to form something bigger
28. the fle_____ty of the body *n.* the quality of changing or being changed easily according to new conditions or situations
29. po_____ne maintenance *n.* a system of cables, pylons, and other equipment used to distribute electrical power from a source, such as a power station, to homes, businesses, and other facilities
30. un___e design *adj.* being the only one of its kind; unlike anything else
31. eq__p an army *v.* to provide a person or a place with the things that are needed for a particular purpose or activity

ANSWERS: 21. transform, 22. forecast, 23. transform, 24. avail, 25. stretch, 26. frequency, 27. component, 28. flexibility, 29. powerline, 30. unique, 31. equip

32. f__p a coin *v.* to turn over into a different position quickly; to throw or toss with a light motion
33. re_____le subscriptions *adj.* capable of being renewed, extended, or replaced
34. human activities int_____ect with the environment *v.* to connect similar things
35. a l__n horse *adj.* having a noticeably small amount of body fat; (verb) to bend or move from a straight to a sloping posture
36. asset on the company's ba_____e sheet *n.* a condition in which everything has the same weight or force; something left after other parts have been taken away
37. to prevent blood sugar sp__es *n.* a narrow, thin, pointed piece of metal, wood, etc.; a sudden large increase in the magnitude or concentration of something
38. st_____e at low temperature *n.* the act or process of putting in and keeping something in a particular place for use in the future; an electronic memory device that can store information
39. f__t accomplishment *n.* a notable or impressive achievement, especially one that requires great skill or bravery
40. he is evilly di_____ed *adj.* inclined or willing to do something
41. st_____e a blow *v.* to wallop somebody or something with the hand, fist, or weapon; to have an emotional or cognitive impact upon

ANSWERS: 32. flip, 33. renewable, 34. interconnect, 35. lean, 36. balance, 37. spike, 38. storage, 39. feat, 40. disposed, 41. strike

42. st___e up a conversation *v.* to wallop somebody or something with the hand, fist, or weapon; to have an emotional or cognitive impact upon
43. d_m collapsing *n.* a wall constructed over a river to block the flow of water, mainly used to generate energy
44. the ba_____e of power *n.* a condition in which everything has the same weight or force; something left after other parts have been taken away
45. ma_____e amounts *adj.* enormous amount; very heavy and solid
46. tr_____te a document into English *v.* to convert or change words into another language
47. co_____nt urinary diversion *n.* one of the earth's large landmasses; (adjective) abstaining from your feelings, especially your desire to have sex
48. series of exp_____nts *n.* the scientific test conducted to observe what happens and gain new knowledge
49. in___t in stocks *v.* to put money, effort, time, etc. into something to make a profit or achieve a result
50. 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
51. the p__k current in the circuit *n.* the point to which something or someone is at its strongest, best, or most successful; the pointed top of a mountain
52. ca___n emission *n.* a chemical element that can be found in pure form as diamond or graphite, and it is also an essential part of coal and oil and is found in all plants and animals

ANSWERS: 42. strike, 43. dam, 44. balance, 45. massive, 46. translate, 47. continent, 48. experiment, 49. invest, 50. scenario, 51. peak, 52. carbon

53. a sop_____ted lifestyle *adj.* having a great deal of worldly experience and knowledge of people's behavior, culture, and fashion
54. official sta_____cs *n.* the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data
55. v__y directly with the price *v.* to become different in terms of size, shape, etc.
56. a civil en_____er *n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software
57. mo_____r the data carefully *v.* to observe, check, and track the progress or quality of something over a period of time
58. a un_____e teacher *adj.* being the only one of its kind; unlike anything else
59. re_____ly arranged *adv.* at regular intervals or times
60. di_____ch a letter *v.* to send someone or something somewhere for a particular purpose; to send a message or piece of information
61. op_____ne occasion *adj.* suitable or happening at a time that is suitable or convenient for a particular purpose
62. av__l you little *v.* to help or benefit; to use or take advantage of
63. t_p keyboard with an index finger *v.* to hit someone or something quickly, gently, and often repeatedly; to use existing resources, such as energy, knowledge, etc.

ANSWERS: 53. sophisticated, 54. statistics, 55. vary, 56. engineer, 57. monitor, 58. unique, 59. regularly, 60. dispatch, 61. opportune, 62. avail, 63. tap

64. ca___n dioxide *n.* a chemical element that can be found in pure form as diamond or graphite, and it is also an essential part of coal and oil and is found in all plants and animals
65. co_____t car *n.* an idea or principle associated with something abstract
66. distribution sub_____on *n.* a facility where high-voltage electric power is transformed to a lower voltage, allowing the energy to be distributed through power lines to homes and businesses
67. sta_____cs for cancer *n.* the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data
68. re_____e a prisoner *v.* to set free or allow to escape from confinement
69. a st_____e battery *n.* the act or process of putting in and keeping something in a particular place for use in the future; an electronic memory device that can store information
70. di_____ed of without being eaten *adj.* inclined or willing to do something
71. fo_____st an epidemic *n.* a prediction or statement about how something, such as the weather, will develop or what will happen in the future; (verb) to predict the future in advance
72. di_____ch soldiers *v.* to send someone or something somewhere for a particular purpose; to send a message or piece of information

ANSWERS: 64. carbon, 65. concept, 66. substation, 67. statistics, 68. release, 69. storage, 70. disposed, 71. forecast, 72. dispatch

73. learn new co_____ts
n. an idea or principle associated with something abstract
74. the average life s__n
n. the entire length of something, such as time or space from beginning to end; the amount of space that something covers
75. com_____le sales
adj. able to link the similarities or differences with others; similar or equivalent to someone or something
76. a convivial atm_____re
n. the mass of air that surrounds the Earth; the pervading tone or mood of a place, situation, or creative work
77. clap the hands in un____n
n. occurring or corresponding together, simultaneously, or exactly; (music) two or more sounds or tones at the same pitch or in octaves
78. power sub_____on
n. a facility where high-voltage electric power is transformed to a lower voltage, allowing the energy to be distributed through power lines to homes and businesses
79. carbon dioxide in the atm_____re
n. the mass of air that surrounds the Earth; the pervading tone or mood of a place, situation, or creative work
80. ma_____e stars
adj. enormous amount; very heavy and solid
81. int_____ent fever
adj. occurring at irregular intervals; not continuous or steady; stopping and starting periodically; sporadic
82. coo_____te a special project
v. to bring the different parts of the activity and the people into an organized, ordered, or efficient relationship; (adjective) of equal importance, rank, or degree

ANSWERS: 73. concept, 74. span, 75. comparable, 76. atmosphere, 77. unison, 78. substation, 79. atmosphere, 80. massive, 81. intermittent, 82. coordinate

83. a co____nt wind *adj.* happening repeatedly or all the time
84. re____e CO2 into the air *v.* to set free or allow to escape from confinement
85. el_____fy a manufacturing process *v.* to make a machine or system work by using electricity; to make someone extremely enthusiastic about or interested in something
86. el_____fy the audience *v.* to make a machine or system work by using electricity; to make someone extremely enthusiastic about or interested in something
87. pr____e analyses *adj.* sharply exact or accurate or delimited
88. f__p over the pork chop *v.* to turn over into a different position quickly; to throw or toss with a light motion
89. mental fle_____ty *n.* the quality of changing or being changed easily according to new conditions or situations
90. estimate pr____e costs *adj.* sharply exact or accurate or delimited
91. starts to ov____at *v.* to become too hot, or to cause something to become too hot
92. l__n athletic figure *adj.* having a noticeably small amount of body fat; (verb) to bend or move from a straight to a sloping posture
93. eq__p our children with some special skills *v.* to provide a person or a place with the things that are needed for a particular purpose or activity
94. ad____t a schedule *v.* to make a minor modification to something to make it more suited for a new set of conditions or to make it function better.

ANSWERS: 83. constant, 84. release, 85. electrify, 86. electrify, 87. precise, 88. flip, 89. flexibility, 90. precise, 91. overheat, 92. lean, 93. equip, 94. adjust

95. the s__n of a bird's wings *n.* the entire length of something, such as time or space from beginning to end; the amount of space that something covers
96. en____er shortage *n.* a person whose job is designing, building, or maintaining something such as machines, structures, or software
97. a sub_____al amount of capital *adj.* fairly large in size, value, or importance
98. the inland of a co_____nt *n.* one of the earth's large landmasses; (adjective) abstaining from your feelings, especially your desire to have sex
99. re_____le energy *adj.* capable of being renewed, extended, or replaced
100. re_____on strategy *n.* a decrease in size, amount, or degree
101. in___t capital *v.* to put money, effort, time, etc. into something to make a profit or achieve a result
102. tr_____it information *v.* to send or forward an electronic signal; to pass something from one person or thing to another
103. tr_____te the emotion to a movement *v.* to convert or change words into another language
104. st_____h along the coast *v.* to make or be capable of making anything longer or broader without hurting or breaking
105. t_p a new market *v.* to hit someone or something quickly, gently, and often repeatedly; to use existing resources, such as energy, knowledge, etc.

ANSWERS: 95. span, 96. engineer, 97. substantial, 98. continent, 99. renewable, 100. reduction, 101. invest, 102. transmit, 103. translate, 104. stretch, 105. tap

106. sh_____ng balance *adj.* constantly changing or moving
107. im_____nt a corporate strategy *v.* to put a decision, plan, or system into effect
108. an ex____s of exports *n.* an amount or quantity beyond what is acceptable, expected, or reasonable
109. int_____ent Wi-Fi *adj.* occurring at irregular intervals; not continuous or steady; stopping and starting periodically; sporadic
110. a com_____le amount of energy *adj.* able to link the similarities or differences with others; similar or equivalent to someone or something
111. a coo_____te clause *v.* to bring the different parts of the activity and the people into an organized, ordered, or efficient relationship; (adjective) of equal importance, rank, or degree
112. have a sub_____al meal *adj.* fairly large in size, value, or importance
113. im_____nt security measures *v.* to put a decision, plan, or system into effect
114. portable ch_____r *n.* a device used to supply electricity to recharge a battery or power a device
115. sop_____ted look *adj.* having a great deal of worldly experience and knowledge of people's behavior, culture, and fashion
116. a gradual re_____on *n.* a decrease in size, amount, or degree
117. po_____ne construction *n.* a system of cables, pylons, and other equipment used to distribute electrical power from a source, such as a power station, to homes, businesses, and other facilities

ANSWERS: 106. shifting, 107. implement, 108. excess, 109. intermittent, 110. comparable, 111. coordinate, 112. substantial, 113. implement, 114. charger, 115. sophisticated, 116. reduction, 117. powerline

118. a g__d design *n.* a pattern of regularly spaced horizontal and vertical lines; a system of high tension cables by which electrical power is distributed throughout a region
119. the em_____on of light *n.* the act of production or sending out gas, heat, light, etc.
120. v__y according to the age *v.* to become different in terms of size, shape, etc.
121. r__y on convenience stores *v.* to require a specific thing or the assistance and support of someone or something to continue, run properly, or succeed.
122. an elevator op_____or *n.* a person who uses and controls machinery or equipment; a mathematical symbol used to perform calculations
123. to sp__e *n.* a narrow, thin, pointed piece of metal, wood, etc.; a sudden large increase in the magnitude or concentration of something
124. r__y entirely on him *v.* to require a specific thing or the assistance and support of someone or something to continue, run properly, or succeed.
125. ad___t the rearview mirror *v.* to make a minor modification to something to make it more suited for a new set of conditions or to make it function better.
126. a co_____nt temperature *adj.* happening repeatedly or all the time

ANSWERS: 118. grid, 119. emission, 120. vary, 121. rely, 122. operator, 123. spike, 124. rely, 125. adjust, 126. constant

127. sp__e parts *adj.* additional to what is necessary for ordinary use; (verb) to give time, money, space, etc. to someone
128. at p__k hour *n.* the point to which something or someone is at its strongest, best, or most successful; the pointed top of a mountain
129. ov____at while charging *v.* to become too hot, or to cause something to become too hot
130. au_____ed manual transmission *adj.* carried out by machines or computers to replace or decrease human labor
131. au_____ed way *adj.* carried out by machines or computers to replace or decrease human labor
132. lose ex___s weight *n.* an amount or quantity beyond what is acceptable, expected, or reasonable

ANSWERS: 127. spare, 128. peak, 129. overheat, 130. automated, 131. automated, 132. excess

Session 3: Fill in the Blanks

1. He _____ when he heard that he had been accepted into the university.
v. to turn over into a different position quickly; to throw or toss with a light motion
2. They saluted in _____ to the captain.
n. occurring or corresponding together, simultaneously, or exactly; (music) two or more sounds or tones at the same pitch or in octaves
3. The government should view children as national assets and actively _____ in them.
v. to put money, effort, time, etc. into something to make a profit or achieve a result
4. The _____ will repair my telephone tomorrow morning.
n. a person whose job is designing, building, or maintaining something such as machines, structures, or software
5. There are five distinct _____ at five unique wavelengths.
n. the act of production or sending out gas, heat, light, etc.
6. Maximum heart rates _____ a lot for each individual.
v. to become different in terms of size, shape, etc.
7. The _____ demonstrate that poverty and unemployment are genuine problems.
n. the discipline that concerns the collection, organization, analysis, interpretation, and presentation of data

ANSWERS: 1. flipped, 2. unison, 3. invest, 4. engineer, 5. emissions, 6. vary, 7. statistics

8. Remember to bring your phone _____ with you when you go on vacation.
n. a device used to supply electricity to recharge a battery or power a device
9. The car engine _____ and had to be repaired.
v. to become too hot, or to cause something to become too hot
10. The _____ in carbon emissions has been significant since the implementation of the new policy.
n. a decrease in size, amount, or degree
11. The content is _____ and informative for me.
adj. sharply exact or accurate or delimited
12. The government promised to _____ a new system to control the financial crisis.
v. to put a decision, plan, or system into effect
13. Babies heavily _____ on others for food.
v. to require a specific thing or the assistance and support of someone or something to continue, run properly, or succeed.
14. The pandemic was a _____ business opportunity for certain companies.
adj. fairly large in size, value, or importance
15. We want to _____ a schedule for the investigation.
v. to bring the different parts of the activity and the people into an organized, ordered, or efficient relationship; (adjective) of equal importance, rank, or degree

ANSWERS: 8. charger, 9. overheated, 10. reduction, 11. precise, 12. implement, 13. rely, 14. substantial, 15. coordinate

16. Flight across the _____ was a daring adventure in its day.
n. one of the earth's large landmasses; (adjective) abstaining from your feelings, especially your desire to have sex
17. Our system can now _____ with other databases.
v. to connect similar things
18. The painting is _____ and there is no other like it.
adj. being the only one of its kind; unlike anything else
19. His _____ showed highly positive results.
n. the scientific test conducted to observe what happens and gain new knowledge
20. We _____ to achieve more wages and safer working conditions.
v. to wallop somebody or something with the hand, fist, or weapon; to have an emotional or cognitive impact upon
21. 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
22. Some herds have been observed to _____ hundreds of kilometers.
v. to make or be capable of making anything longer or broader without hurting or breaking
23. My father's death _____ my life completely.
v. to change in outward structure or looks;
24. The ambulance was _____ to the scene of the accident.
v. to send someone or something somewhere for a particular purpose; to send a message or piece of information

ANSWERS: 16. continent, 17. interconnect, 18. unique, 19. experiments, 20. strike, 21. scenarios, 22. stretch, 23. transformed, 24. dispatched

25. 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
26. The break in the ____ threatened the valley.
n. a wall constructed over a river to block the flow of water, mainly used to generate energy
27. _____ dropping wears away the stone.
adj. happening repeatedly or all the time
28. You have to _____ your content to the age of the audience.
v. to make a minor modification to something to make it more suited for a new set of conditions or to make it function better.
29. _____ operational improvements often lead to better environmental performance.
adj. having a noticeably small amount of body fat; (verb) to bend or move from a straight to a sloping posture
30. The phone rang at the most _____ time.
adj. suitable or happening at a time that is suitable or convenient for a particular purpose
31. Trends in the fashion industry are so _____ that it is challenging to keep up with them.
adj. constantly changing or moving
32. It is an incredible _____ to climb Mount Everest, the highest mountain in the world.
n. a notable or impressive achievement, especially one that requires great skill or bravery

ANSWERS: 25. transmit, 26. dam, 27. Constant, 28. adjust, 29. Lean, 30. opportune, 31. shifting, 32. feat

33. The plant will continue operating through an _____ system 24 hours a day.
adj. carried out by machines or computers to replace or decrease human labor
34. The recent economic downturn has resulted in _____ layoffs.
adj. enormous amount; very heavy and solid
35. The researchers try to discover a common _____ in all types of successful organizations.
n. one of several parts that combines with others to form something bigger
36. We store customer data in cloud _____.
n. the act or process of putting in and keeping something in a particular place for use in the future; an electronic memory device that can store information
37. Trees absorb _____ dioxide and give off oxygen.
n. a chemical element that can be found in pure form as diamond or graphite, and it is also an essential part of coal and oil and is found in all plants and animals
38. A storm knocked down a _____ tower, causing a blackout in the neighborhood.
n. a system of cables, pylons, and other equipment used to distribute electrical power from a source, such as a power station, to homes, businesses, and other facilities
39. Humans and apes have _____ anatomical structures.
adj. able to link the similarities or differences with others; similar or equivalent to someone or something
40. Their financing options are reasonable and easy to _____.
v. to help or benefit; to use or take advantage of

ANSWERS: 33. automated, 34. massive, 35. component, 36. storage, 37. carbon, 38. powerline, 39. comparable, 40. avail

41. _____ pattern roads often appear in urban areas.
n. a pattern of regularly spaced horizontal and vertical lines; a system of high tension cables by which electrical power is distributed throughout a region
42. The production of _____ fuels requires massive volumes of fresh water.
adj. capable of being renewed, extended, or replaced
43. We dealt with those problems with speed and _____.
n. the quality of changing or being changed easily according to new conditions or situations
44. Try to keep a _____ between work and off.
n. a condition in which everything has the same weight or force; something left after other parts have been taken away
45. Their team specializes in demand _____ for our products.
n. a prediction or statement about how something, such as the weather, will develop or what will happen in the future; (verb) to predict the future in advance
46. The recent _____ in grain prices is partly due to the war in the producing countries.
n. a narrow, thin, pointed piece of metal, wood, etc.; a sudden large increase in the magnitude or concentration of something
47. The construction company _____ the building with an earthquake-resistant device.
v. to provide a person or a place with the things that are needed for a particular purpose or activity
48. This measurement aims to reduce traffic at _____ periods.
n. the point to which something or someone is at its strongest, best, or most successful; the pointed top of a mountain

ANSWERS: 41. Grid, 42. renewable, 43. flexibility, 44. balance, 45. forecasts, 46. spike, 47. equipped, 48. peak

49. The spaceship began to burn up as it approached the Earth's _____.
- n.* the mass of air that surrounds the Earth; the pervading tone or mood of a place, situation, or creative work
50. _____ the text from Italian into English.
- v.* to convert or change words into another language
51. He slightly modified the _____ of training because it was just before a match.
- n.* the entire length of something, such as time or space from beginning to end; the amount of space that something covers
52. The animal rights group worked to _____ the dolphins back into the wild.
- v.* to set free or allow to escape from confinement
53. The product developed through years of research continues to _____ the market.
- v.* to make a machine or system work by using electricity; to make someone extremely enthusiastic about or interested in something
54. They used a special receiver to _____ police radio channels.
- v.* to observe, check, and track the progress or quality of something over a period of time
55. One such rapidly growing _____ is quantum cryptography.
- n.* an idea or principle associated with something abstract
56. The nationwide _____ caused widespread power outages and disrupted daily life.
- n.* a loss of electric power for a general region; a suspension of radio or TV broadcasting; a momentary loss of consciousness

ANSWERS: 49. atmosphere, 50. Translate, 51. span, 52. release, 53. electrify, 54. monitor, 55. concept, 56. blackout

57. Marketing strategies are growing more _____.

adj. having a great deal of worldly experience and knowledge of people's behavior, culture, and fashion

58. The _____ rain made it difficult to plan a picnic.

adj. occurring at irregular intervals; not continuous or steady; stopping and starting periodically; sporadic

59. The _____ of the machine must follow strict safety protocols.

n. a person who uses and controls machinery or equipment; a mathematical symbol used to perform calculations

60. I'm _____ to agree with your opinion.

adj. inclined or willing to do something

61. A malfunction at the _____ caused the power outage.

n. a facility where high-voltage electric power is transformed to a lower voltage, allowing the energy to be distributed through power lines to homes and businesses

62. I made plans to spend my _____ time beneficially.

adj. additional to what is necessary for ordinary use; (verb) to give time, money, space, etc. to someone

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

adv. at regular intervals or times

64. The oscillator hunts for the correct _____.

n. an ordered array of colors into which a light beam can be split

ANSWERS: 57. sophisticated, 58. intermittent, 59. operator, 60. disposed, 61. substation, 62. spare, 63. regularly, 64. frequency

65. The road of _____ leads to the palace of wisdom.

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

66. To expand the company, we must ____ new human resources.

v. to hit someone or something quickly, gently, and often repeatedly; to use existing resources, such as energy, knowledge, etc.

ANSWERS: 65. excess, 66. tap