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Vocabulary Builder Reference from...

Katie McGinty: Smart solutions to decarbonize buildings | TED Talk

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

All Words

IMPORTANT

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Session 1: Word List

- roll**
- v. to move in a particular direction by turning over and over or from side to side
synonym: spin, swirl, wheel
(1) **roll** a ball, (2) **roll** down his cheeks
He was exhausted and **rolled** into bed as soon as he got home.
- indoor**
- adj.* located, happened, or used inside a building
(1) an **indoor** pool, (2) designed for **indoor** use
Table tennis is an **indoor** sport.
- invention**
- n.* the creation of a new device or process resulting from study and experimentation; the act of inventing
synonym: creation, design, innovation
(1) the **invention** of new techniques, (2) common **invention**
Necessity is the mother of **invention**.
- disease**
- n.* a disorder or illness that affects the body or mind, often characterized by specific symptoms or abnormal functioning of organs or systems
synonym: illness, ailment, affliction
(1) **disease** prevention, (2) **disease** control
The doctor diagnosed him with a rare **disease** that had no

known cure.

climate

n. the weather in a particular location averaged over some long period

synonym: atmosphere, weather, environment

(1) a cold **climate**, (2) effects of **climate** change

Climate and weather have an impact on every part of our lifestyles.

countdown

n. a counting sequence leading up to an event, often marked by a series of signals or cues, also used as a term to describe the final stages leading up to a major event or deadline

synonym: timer

(1) **countdown** clock, (2) wedding **countdown**

The **countdown** to launch began as the astronauts prepared for their mission.

pledge

v. to make a formal promise to give or do something

synonym: promise, assure, guarantee

(1) **pledge** my fidelity, (2) **pledge** military assistance

At this ceremony, We will **pledge** allegiance to the country's flag.

sector

n. a distinct part or division of something often used to refer to a segment of an economy or industry; an area or field of work or activity

synonym: division, department, branch

(1) industrial **sector**, (2) private **sector**

The technology **sector** is constantly evolving and innovating.

locate

v. to specify or determine the exact position of someone or something

synonym: discover, find, place

(1) **locate** a missing pet, (2) **locate** a tumor

The robot can accurately **locate** construction material.

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.

greenhouse

n. a building with walls and roof made chiefly of transparent material, such as glass, for growing plants in

synonym: conservatory

(1) exotic plants in a **greenhouse**, (2) emissions of **greenhouse** gases

The **greenhouse** effect is a phenomenon that happens naturally.

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.

represent

v. to speak, act, or be present on behalf of another person or group; to form or constitute

synonym: depict, express, describe

(1) **represent** by a diagram, (2) the characters that **represent** numbers

We elected him to **represent** us at the international conference.

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.

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.

crack

v. to break or cause to break without dividing into separate parts; (noun) a line on the surface of something along which it has separated without breaking

synonym: snap, burst, break

(1) **crack** an eggshell, (2) a **crack** in a board

He that would eat the kernel must **crack** the nut.

decarbonize

v. to stop or reduce emitting carbon gases, especially carbon dioxide, by replacing energy made from fossil fuels with renewable energy

synonym: decoke, decarburise, decarburize

(1) **decarbonize** their manufacturing process,

(2) **decarbonize** its energy system

We have to seek methods to **decarbonize** its fossil fuel economy.

aspect

n. one part or feature of a situation, problem, subject, etc.

synonym: characteristic, element, factor

(1) nontechnical **aspects** of the job, (2) **aspects** of social, political, and economic life

His professional experience includes all **aspects** of media production.

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.

rid

v. to make someone or something free of unwanted or unpleasant tasks, objects, or person

synonym: do away with, free, clear

(1) get **rid** of the rats, (2) **rid** the body of waste products
We must **rid** ourselves of pollution.

incandescent

adj. emitting light as a result of being heated; shining brightly; passionate or enthusiastic

synonym: glowing, radiant, brilliant

(1) **incandescent** emotion, (2) **incandescent** personality
The **incandescent** lights in the room created a warm and inviting atmosphere.

efficiency

n. the state or quality of doing something well with no waste of input such as time or money

synonym: effectiveness, efficacy, productivity

(1) better fuel **efficiency**, (2) an energy **efficiency**
Our company must continue to strive for greater **efficiency**.

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.

sensor

n. a device that receives a signal or stimulus such as heat, pressure, light, motion, etc. and responds to it in a specific manner

synonym: detector

(1) motion **sensor** lighting, (2) an image **sensor**
This automatic door could no longer be opened due to a **sensor** failure.

ratchet

n. a mechanical device with a toothed wheel that can rotate in only one direction used to transmit or control motion or to prevent backward movement

synonym: gear, wrench, spanner

(1) **ratchet** wrench, (2) **ratchet** effect

He turned the bolt with the **ratchet**, making sure it was secure.

blast

n. explosion, or a strong current of air, usually caused by an explosion; a sudden, thunderous noise

synonym: blow, burst, explosion

(1) a **blast** of wind, (2) an icy **blast**

The **blast** shattered the laboratory equipment.

upfront

adj. frank and honest; (adverb) (of payment) in advance

synonym: honest, authentic, fair

(1) an **upfront** tone, (2) pay **upfront**

He was very **upfront** with him about his intentions.

upgrade

v. to improve the value or usefulness of something such as a machine, computer system, etc., or to replace it with something newer or of a higher standard

synonym: improve, boost, enrich

(1) **upgrade** a product, (2) **upgrade** work performance

It's an excellent opportunity to **upgrade** our networking.

generate

v. to produce or create something; to make offspring by reproduction

synonym: create, yield, produce

(1) **generate** more electricity, (2) **generate** \$100 a month

The economic stimulation program would **generate** a lot of new jobs.

finance

n. the management of money, credit, banking, and investments, especially by a government or commercial organization; the branch of economics that studies the management of money and other assets

synonym : banking, investment, fund

(1) **finance** act, (2) manage my **finances**

Our company decided to hire an advisor who specializes in **finance**.

sustainable

adj. able to continue or be continued for a long time

synonym : continuable, enduring, tolerable

(1) **sustainable** alternative fuel, (2) principles of **sustainable** development

The government should do more to support environmentally **sustainable** agriculture.

unexpected

adj. not anticipated or regarded as likely to happen

synonym : surprising, unanticipated, incredible

(1) an **unexpected** visitor, (2) some **unexpected** events

The **unexpected** rainstorm caused the collapse of the corral.

communal

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

synonym : collaborative, combined, collective

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

Communal elections were held in several European countries.

technological

adj. based on scientific and industrial progress

synonym : specialized, technical

(1) **technological** advancement, (2) **technological** policy

Technological advances have disrupted many industries.

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.

empower

v. to give someone the power or authority to do something
synonym: authorize, endow, entitle

(1) **empower** my life, (2) **empower** the secretary to do the same

The company **empowered** employees to buy low-price items without approval to achieve efficient purchasing.

engagement

n. a mutual promise to marry someone; an agreement to do something, especially at a particular time

synonym: betrothal, promise, commitment

(1) a prior **engagement**, (2) break off an **engagement**

They selected a gorgeous diamond **engagement** ring.

lift

v. to raise something to a higher position or level; to pick up something or somebody and move them to a different position

synonym: raise, elevate, move up

(1) **lift** sagging skin, (2) **lift** a ban on alcohol

The drought **lifted** the prices of grain globally.

piecemeal

adv. gradually or in small increments, usually referring to a process or action that is done in stages or bit by bit;
(adjective) consisting of many small parts or pieces; done gradually or bit by bit

synonym: gradually, incrementally, (adjective) bit by bit

(1) **piecemeal** approach, (2) **piecemeal** changes

The building was constructed **piecemeal** over several years.

catalyst

n. a person or thing that causes an important event to happen or changes the current situation rapidly;
(chemistry) a substance that initiates or accelerates a chemical reaction without being changed itself

synonym: accelerator, stimulant, motivation

(1) a **catalyst** in the process of hydrolysis, (2) **catalyst** for reform

The global financial crisis acted as a **catalyst** to unite the country.

basis

n. the most important facts, ideas, or events from which something is developed; the way how things are organized or arranged

synonym: foundation, base, ground

(1) on an equal **basis**, (2) **basis** for calculation

This evidence will form the **basis** for our discussion.

tangible

adj. real and concrete; able to be perceived, especially able to be touched; (of business assets) having physical substance and intrinsic monetary value

synonym: palpable, real, actual

(1) **tangible** assets, (2) produce **tangible** results

A problem that has been pointed out for years finally becomes **tangible**.

environment

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

synonym: atmosphere, surroundings, climate

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

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

brick

n. a rectangular block of baked clay used as a building material

synonym: block, tile, paver

(1) **brick** wall, (2) dressed **brick**

The wall was made of hard **bricks** that had been used for centuries.

mortar

n. a mixture of cement, sand, and water used for binding building materials together; a heavy, deep bowl used to pound or grind substances

synonym: howitzer, cement mixer, masonry tool

(1) **mortar** joints, (2) apply **mortar**

The bricklayer started on the second course of bricks, laying them in fresh **mortar**.

partnership

n. the state of a cooperative relationship between people or groups, especially in business

synonym: alliance, participation, cooperation

(1) **partnership** across the Atlantic, (2) establish a **partnership**

The military **partnership** between the two countries created tension in the international community.

flexible

adj. able to change or be changed to suit new conditions or situations; able to bend easily

synonym: adaptable, elastic, pliable

(1) **flexible** schedules, (2) a **flexible** wire

You can be more **flexible** and creative in your approach.

agile

adj. able to move quickly and easily, often in a way that is graceful and controlled

synonym: nimble, quick, flexible

(1) an **agile** mind, (2) **agile** in his movements

The **agile** development process allowed the team to make changes quickly.

asset

n. something or someone that is useful or valuable quality, skill, etc.; valuable property

synonym: aid, resource, equity

(1) frozen **assets**, (2) liquid **assets** of the company

A sense of humor is an invaluable **asset** in this job.

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.

tackle

v. to try to deal with a complex problem or situation

synonym: deal with, dive into, work on

(1) **tackle** the issue, (2) help **tackle** climate change

The government is determined to **tackle** sharp inflation.

Session 2: Spelling

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|------------------------------------|---|
| 1. di____e prevention | <i>n.</i> a disorder or illness that affects the body or mind, often characterized by specific symptoms or abnormal functioning of organs or systems |
| 2. dressed br__k | <i>n.</i> a rectangular block of baked clay used as a building material |
| 3. a cr__k in a board | <i>v.</i> to break or cause to break without dividing into separate parts; (noun) a line on the surface of something along which it has separated without breaking |
| 4. an op_____ne remark | <i>adj.</i> suitable or happening at a time that is suitable or convenient for a particular purpose |
| 5. nontechnical as___ts of the job | <i>n.</i> one part or feature of a situation, problem, subject, etc. |
| 6. on an equal ba__s | <i>n.</i> the most important facts, ideas, or events from which something is developed; the way how things are organized or arranged |
| 7. co_____wn clock | <i>n.</i> a counting sequence leading up to an event, often marked by a series of signals or cues, also used as a term to describe the final stages leading up to a major event or deadline |
| 8. chaotic env_____nt | <i>n.</i> the natural world such as air, water, and land in which humans, animals, and plants live |

ANSWERS: 1. disease, 2. brick, 3. crack, 4. opportune, 5. aspect, 6. basis, 7. countdown, 8. environment

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|------------------------------------|---|
| 9. an image se___r | <i>n.</i> a device that receives a signal or stimulus such as heat, pressure, light, motion, etc. and responds to it in a specific manner |
| 10. op_____ne occasion | <i>adj.</i> suitable or happening at a time that is suitable or convenient for a particular purpose |
| 11. effects of cl_____e change | <i>n.</i> the weather in a particular location averaged over some long period |
| 12. liquid as__ts of the company | <i>n.</i> something or someone that is useful or valuable quality, skill, etc.; valuable property |
| 13. r_d the body of waste products | <i>v.</i> to make someone or something free of unwanted or unpleasant tasks, objects, or person |
| 14. produce ta_____le results | <i>adj.</i> real and concrete; able to be perceived, especially able to be touched; (of business assets) having physical substance and intrinsic monetary value |
| 15. co_____al swimming pool | <i>adj.</i> belonging to or used by a group rather than individuals; for common use |
| 16. emissions of gre_____se gases | <i>n.</i> a building with walls and roof made chiefly of transparent material, such as glass, for growing plants in |
| 17. ra_____t wrench | <i>n.</i> a mechanical device with a toothed wheel that can rotate in only one direction used to transmit or control motion or to prevent backward movement |

ANSWERS: 9. sensor, 10. opportune, 11. climate, 12. asset, 13. rid, 14. tangible, 15. communal, 16. greenhouse, 17. ratchet

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|---|---|
| 18. pl___e military assistance | <i>v.</i> to make a formal promise to give or do something |
| 19. l__t a ban on alcohol | <i>v.</i> to raise something to a higher position or level; to pick up something or somebody and move them to a different position |
| 20. a cold cl_____e | <i>n.</i> the weather in a particular location averaged over some long period |
| 21. fl_____le schedules | <i>adj.</i> able to change or be changed to suit new conditions or situations; able to bend easily |
| 22. designed for in___r use | <i>adj.</i> located, happened, or used inside a building |
| 23. an in___r pool | <i>adj.</i> located, happened, or used inside a building |
| 24. as___ts of social, political, and economic life | <i>n.</i> one part or feature of a situation, problem, subject, etc. |
| 25. fi_____e act | <i>n.</i> the management of money, credit, banking, and investments, especially by a government or commercial organization; the branch of economics that studies the management of money and other assets |
| 26. sus_____le alternative fuel | <i>adj.</i> able to continue or be continued for a long time |
| 27. private se___r | <i>n.</i> a distinct part or division of something often used to refer to a segment of an economy or industry; an area or field of work or activity |

ANSWERS: 18. pledge, 19. lift, 20. climate, 21. flexible, 22. indoor, 23. indoor, 24. aspect, 25. finance, 26. sustainable, 27. sector

28. ta___e the issue	<i>v.</i> to try to deal with a complex problem or situation
29. re____e one word with another	<i>v.</i> to take the place of something
30. el_____fy a manufacturing process	<i>v.</i> to make a machine or system work by using electricity; to make someone extremely enthusiastic about or interested in something
31. break off an eng_____nt	<i>n.</i> a mutual promise to marry someone; an agreement to do something, especially at a particular time
32. tec_____cal advancement	<i>adj.</i> based on scientific and industrial progress
33. better fuel eff_____cy	<i>n.</i> the state or quality of doing something well with no waste of input such as time or money
34. an up_____t tone	<i>adj.</i> frank and honest; (adverb) (of payment) in advance
35. the characters that re_____nt numbers	<i>v.</i> to speak, act, or be present on behalf of another person or group; to form or constitute
36. a bl__t of wind	<i>n.</i> explosion, or a strong current of air, usually caused by an explosion; a sudden, thunderous noise
37. exotic plants in a gre_____se	<i>n.</i> a building with walls and roof made chiefly of transparent material, such as glass, for growing plants in
38. l__t sagging skin	<i>v.</i> to raise something to a higher position or level; to pick up something or somebody and move them to a different position

ANSWERS: 28. tackle, 29. replace, 30. electrify, 31. engagement, 32. technological, 33. efficiency, 34. upfront, 35. represent, 36. blast, 37. greenhouse, 38. lift

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|---------------------------------|---|
| 39. ge____te more electricity | <i>v.</i> to produce or create something; to make offspring by reproduction |
| 40. apply mo____r | <i>n.</i> a mixture of cement, sand, and water used for binding building materials together; a heavy, deep bowl used to pound or grind substances |
| 41. env_____nt affairs | <i>n.</i> the natural world such as air, water, and land in which humans, animals, and plants live |
| 42. ta____le assets | <i>adj.</i> real and concrete; able to be perceived, especially able to be touched; (of business assets) having physical substance and intrinsic monetary value |
| 43. pay up____t | <i>adj.</i> frank and honest; (adverb) (of payment) in advance |
| 44. an ag__e mind | <i>adj.</i> able to move quickly and easily, often in a way that is graceful and controlled |
| 45. ra____t effect | <i>n.</i> a mechanical device with a toothed wheel that can rotate in only one direction used to transmit or control motion or to prevent backward movement |
| 46. ag__e in his movements | <i>adj.</i> able to move quickly and easily, often in a way that is graceful and controlled |
| 47. help ta____e climate change | <i>v.</i> to try to deal with a complex problem or situation |
| 48. ge____te \$100 a month | <i>v.</i> to produce or create something; to make offspring by reproduction |
| 49. get r_d of the rats | <i>v.</i> to make someone or something free of unwanted or unpleasant tasks, objects, or person |

ANSWERS: 39. generate, 40. mortar, 41. environment, 42. tangible, 43. upfront, 44. agile, 45. ratchet, 46. agile, 47. tackle, 48. generate, 49. rid

50. up____e a product	<i>v.</i> to improve the value or usefulness of something such as a machine, computer system, etc., or to replace it with something newer or of a higher standard
51. tr_____te a document into English	<i>v.</i> to convert or change words into another language
52. the con_____on of food	<i>n.</i> the amount used or eaten; the act of using up a resource such as energy, food, or materials
53. up____e work performance	<i>v.</i> to improve the value or usefulness of something such as a machine, computer system, etc., or to replace it with something newer or of a higher standard
54. an energy eff_____cy	<i>n.</i> the state or quality of doing something well with no waste of input such as time or money
55. average fuel con_____on	<i>n.</i> the amount used or eaten; the act of using up a resource such as energy, food, or materials
56. inc_____ent personality	<i>adj.</i> emitting light as a result of being heated; shining brightly; passionate or enthusiastic
57. ba__s for calculation	<i>n.</i> the most important facts, ideas, or events from which something is developed; the way how things are organized or arranged
58. con_____te a large sum of money to the fund	<i>v.</i> to give something, especially money or goods, to provide or achieve something together with other people

ANSWERS: 50. upgrade, 51. translate, 52. consumption, 53. upgrade, 54. efficiency, 55. consumption, 56. incandescent, 57. basis, 58. contribute

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|----------------------------------|---|
| 59. dec_____ze its energy system | <i>v.</i> to stop or reduce emitting carbon gases, especially carbon dioxide, by replacing energy made from fossil fuels with renewable energy |
| 60. an icy bl__t | <i>n.</i> explosion, or a strong current of air, usually caused by an explosion; a sudden, thunderous noise |
| 61. tec_____cal policy | <i>adj.</i> based on scientific and industrial progress |
| 62. r__l down his cheeks | <i>v.</i> to move in a particular direction by turning over and over or from side to side |
| 63. frozen as__ts | <i>n.</i> something or someone that is useful or valuable quality, skill, etc.; valuable property |
| 64. mo___r joints | <i>n.</i> a mixture of cement, sand, and water used for binding building materials together; a heavy, deep bowl used to pound or grind substances |
| 65. wedding co_____wn | <i>n.</i> a counting sequence leading up to an event, often marked by a series of signals or cues, also used as a term to describe the final stages leading up to a major event or deadline |
| 66. r__l a ball | <i>v.</i> to move in a particular direction by turning over and over or from side to side |
| 67. inc_____ent emotion | <i>adj.</i> emitting light as a result of being heated; shining brightly; passionate or enthusiastic |

ANSWERS: 59. decarbonize, 60. blast, 61. technological, 62. roll, 63. asset, 64. mortar, 65. countdown, 66. roll, 67. incandescent

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|---|---|
| 68. el_____fy the audience | <i>v.</i> to make a machine or system work by using electricity; to make someone extremely enthusiastic about or interested in something |
| 69. pi_____al approach | <i>adv.</i> gradually or in small increments, usually referring to a process or action that is done in stages or bit by bit; (adjective) consisting of many small parts or pieces; done gradually or bit by bit |
| 70. em_____r my life | <i>v.</i> to give someone the power or authority to do something |
| 71. global em_____ons of greenhouse gases | <i>n.</i> the act of production or sending out gas, heat, light, etc. |
| 72. common in _____on | <i>n.</i> the creation of a new device or process resulting from study and experimentation; the act of inventing |
| 73. some une_____ed events | <i>adj.</i> not anticipated or regarded as likely to happen |
| 74. industrial se____r | <i>n.</i> a distinct part or division of something often used to refer to a segment of an economy or industry; an area or field of work or activity |
| 75. tr_____te the emotion to a movement | <i>v.</i> to convert or change words into another language |
| 76. em_____r the secretary to do the same | <i>v.</i> to give someone the power or authority to do something |
| 77. re_____nt by a diagram | <i>v.</i> to speak, act, or be present on behalf of another person or group; to form or constitute |

ANSWERS: 68. electrify, 69. piecemeal, 70. empower, 71. emission, 72. invention, 73. unexpected, 74. sector, 75. translate, 76. empower, 77. represent

78. re_____e a phone	<i>v.</i> to take the place of something
79. par_____ip across the Atlantic	<i>n.</i> the state of a cooperative relationship between people or groups, especially in business
80. co_____al combination of funds	<i>adj.</i> belonging to or used by a group rather than individuals; for common use
81. lo___e a tumor	<i>v.</i> to specify or determine the exact position of someone or something
82. a di_____l watch	<i>adj.</i> 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
83. lo___e a missing pet	<i>v.</i> to specify or determine the exact position of someone or something
84. the in_____on of new techniques	<i>n.</i> the creation of a new device or process resulting from study and experimentation; the act of inventing
85. principles of sus_____le development	<i>adj.</i> able to continue or be continued for a long time
86. pl___e my fidelity	<i>v.</i> to make a formal promise to give or do something
87. pi_____al changes	<i>adv.</i> gradually or in small increments, usually referring to a process or action that is done in stages or bit by bit; (adjective) consisting of many small parts or pieces; done gradually or bit by bit
88. a fl_____le wire	<i>adj.</i> able to change or be changed to suit new conditions or situations; able to bend easily

ANSWERS: 78. replace, 79. partnership, 80. communal, 81. locate, 82. digital, 83. locate, 84. invention, 85. sustainable, 86. pledge, 87. piecemeal, 88. flexible

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|---|---|
| 89. a ca____st in the process of hydrolysis | <i>n.</i> a person or thing that causes an important event to happen or changes the current situation rapidly; (chemistry) a substance that initiates or accelerates a chemical reaction without being changed itself |
| 90. manage my fi____es | <i>n.</i> the management of money, credit, banking, and investments, especially by a government or commercial organization; the branch of economics that studies the management of money and other assets |
| 91. di____l electronic signature | <i>adj.</i> 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 |
| 92. dec____ze their manufacturing process | <i>v.</i> to stop or reduce emitting carbon gases, especially carbon dioxide, by replacing energy made from fossil fuels with renewable energy |
| 93. the em____on of light | <i>n.</i> the act of production or sending out gas, heat, light, etc. |
| 94. ca____st for reform | <i>n.</i> a person or thing that causes an important event to happen or changes the current situation rapidly; (chemistry) a substance that initiates or accelerates a chemical reaction without being changed itself |
| 95. di____e control | <i>n.</i> a disorder or illness that affects the body or mind, often characterized by specific symptoms or abnormal functioning of organs or systems |

ANSWERS: 89. catalyst, 90. finance, 91. digital, 92. decarbonize, 93. emission, 94. catalyst, 95. disease

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|----------------------------|--|
| 96. establish a par_____ip | <i>n.</i> the state of a cooperative relationship between people or groups, especially in business |
| 97. motion se___r lighting | <i>n.</i> a device that receives a signal or stimulus such as heat, pressure, light, motion, etc. and responds to it in a specific manner |
| 98. br__k wall | <i>n.</i> a rectangular block of baked clay used as a building material |
| 99. an une_____ed visitor | <i>adj.</i> not anticipated or regarded as likely to happen |
| 100. a prior eng_____nt | <i>n.</i> a mutual promise to marry someone; an agreement to do something, especially at a particular time |
| 101. con_____te to society | <i>v.</i> to give something, especially money or goods, to provide or achieve something together with other people |
| 102. cr__k an eggshell | <i>v.</i> to break or cause to break without dividing into separate parts; (noun) a line on the surface of something along which it has separated without breaking |

ANSWERS: 96. partnership, 97. sensor, 98. brick, 99. unexpected, 100. engagement, 101. contribute, 102. crack

Session 3: Fill in the Blanks

1. There are five distinct _____ at five unique wavelengths.
n. the act of production or sending out gas, heat, light, etc.
2. The _____ shattered the laboratory equipment.
n. explosion, or a strong current of air, usually caused by an explosion; a sudden, thunderous noise
3. He was very _____ with him about his intentions.
adj. frank and honest; (adverb) (of payment) in advance
4. The _____ to launch began as the astronauts prepared for their mission.
n. a counting sequence leading up to an event, often marked by a series of signals or cues, also used as a term to describe the final stages leading up to a major event or deadline
5. Every human is responsible for taking care of the Earth's _____.
n. the natural world such as air, water, and land in which humans, animals, and plants live
6. Table tennis is an _____ sport.
adj. located, happened, or used inside a building
7. Eventually, the new design will _____ all older models.
v. to take the place of something
8. A sense of humor is an invaluable _____ in this job.
n. something or someone that is useful or valuable quality, skill, etc.; valuable property

ANSWERS: 1. emissions, 2. blast, 3. upfront, 4. countdown, 5. environment, 6. indoor, 7. replace, 8. asset

9. The bricklayer started on the second course of bricks, laying them in fresh _____.
- n.* a mixture of cement, sand, and water used for binding building materials together; a heavy, deep bowl used to pound or grind substances
10. The global financial crisis acted as a _____ to unite the country.
- n.* a person or thing that causes an important event to happen or changes the current situation rapidly; (chemistry) a substance that initiates or accelerates a chemical reaction without being changed itself
11. _____ and weather have an impact on every part of our lifestyles.
- n.* the weather in a particular location averaged over some long period
12. 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
13. We elected him to _____ us at the international conference.
- v.* to speak, act, or be present on behalf of another person or group; to form or constitute
14. The _____ effect is a phenomenon that happens naturally.
- n.* a building with walls and roof made chiefly of transparent material, such as glass, for growing plants in
15. We must ____ ourselves of pollution.
- v.* to make someone or something free of unwanted or unpleasant tasks, objects, or person

ANSWERS: 9. mortar, 10. catalyst, 11. Climate, 12. electrify, 13. represent, 14. greenhouse, 15. rid

16. Our company decided to hire an advisor who specializes in _____.
n. the management of money, credit, banking, and investments, especially by a government or commercial organization; the branch of economics that studies the management of money and other assets
17. Government workers cannot _____ to political campaigns.
v. to give something, especially money or goods, to provide or achieve something together with other people
18. The _____ lights in the room created a warm and inviting atmosphere.
adj. emitting light as a result of being heated; shining brightly; passionate or enthusiastic
19. This evidence will form the _____ for our discussion.
n. the most important facts, ideas, or events from which something is developed; the way how things are organized or arranged
20. It's an excellent opportunity to _____ our networking.
v. to improve the value or usefulness of something such as a machine, computer system, etc., or to replace it with something newer or of a higher standard
21. A problem that has been pointed out for years finally becomes _____.
adj. real and concrete; able to be perceived, especially able to be touched; (of business assets) having physical substance and intrinsic monetary value
22. The drought _____ the prices of grain globally.
v. to raise something to a higher position or level; to pick up something or somebody and move them to a different position
23. _____ elections were held in several European countries.
adj. belonging to or used by a group rather than individuals; for common use

ANSWERS: 16. finance, 17. contribute, 18. incandescent, 19. basis, 20. upgrade, 21. tangible, 22. lifted, 23. Communal

24. Necessity is the mother of _____.
n. the creation of a new device or process resulting from study and experimentation; the act of inventing
25. We have to seek methods to _____ its fossil fuel economy.
v. to stop or reduce emitting carbon gases, especially carbon dioxide, by replacing energy made from fossil fuels with renewable energy
26. _____ the text from Italian into English.
v. to convert or change words into another language
27. The company _____ employees to buy low-price items without approval to achieve efficient purchasing.
v. to give someone the power or authority to do something
28. Our company must continue to strive for greater _____.
n. the state or quality of doing something well with no waste of input such as time or money
29. The technology _____ is constantly evolving and innovating.
n. a distinct part or division of something often used to refer to a segment of an economy or industry; an area or field of work or activity
30. 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
31. _____ advances have disrupted many industries.
adj. based on scientific and industrial progress

ANSWERS: 24. invention, 25. decarbonize, 26. Translate, 27. empowered, 28. efficiency, 29. sector, 30. digital, 31. Technological

32. The _____ rainstorm caused the collapse of the corral.

adj. not anticipated or regarded as likely to happen

33. 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

34. The phone rang at the most _____ time.

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

35. The building was constructed _____ over several years.

adv. gradually or in small increments, usually referring to a process or action that is done in stages or bit by bit; (adjective) consisting of many small parts or pieces; done gradually or bit by bit

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

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

37. The economic stimulation program would _____ a lot of new jobs.

v. to produce or create something; to make offspring by reproduction

38. The government is determined to _____ sharp inflation.

v. to try to deal with a complex problem or situation

39. He that would eat the kernel must _____ the nut.

v. to break or cause to break without dividing into separate parts; (noun) a line on the surface of something along which it has separated without breaking

ANSWERS: 32. unexpected, 33. consumption, 34. opportune, 35. piecemeal, 36. disease, 37. generate, 38. tackle, 39. crack

40. He was exhausted and _____ into bed as soon as he got home.
v. to move in a particular direction by turning over and over or from side to side
41. The _____ development process allowed the team to make changes quickly.
adj. able to move quickly and easily, often in a way that is graceful and controlled
42. They selected a gorgeous diamond _____ ring.
n. a mutual promise to marry someone; an agreement to do something, especially at a particular time
43. This automatic door could no longer be opened due to a _____ failure.
n. a device that receives a signal or stimulus such as heat, pressure, light, motion, etc. and responds to it in a specific manner
44. The wall was made of hard _____ that had been used for centuries.
n. a rectangular block of baked clay used as a building material
45. At this ceremony, We will _____ allegiance to the country's flag.
v. to make a formal promise to give or do something
46. He turned the bolt with the _____ making sure it was secure.
n. a mechanical device with a toothed wheel that can rotate in only one direction used to transmit or control motion or to prevent backward movement
47. His professional experience includes all _____ of media production.
n. one part or feature of a situation, problem, subject, etc.
48. The robot can accurately _____ construction material.
v. to specify or determine the exact position of someone or something

ANSWERS: 40. rolled, 41. agile, 42. engagement, 43. sensor, 44. bricks, 45. pledge, 46. ratchet, 47. aspects, 48. locate

49. The military _____ between the two countries created tension in the international community.

n. the state of a cooperative relationship between people or groups, especially in business

50. You can be more _____ and creative in your approach.

adj. able to change or be changed to suit new conditions or situations; able to bend easily

51. The government should do more to support environmentally _____ agriculture.

adj. able to continue or be continued for a long time

ANSWERS: 49. partnership, 50. flexible, 51. sustainable