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Chad Frischmann: 100 solutions to reverse global warming | TED Talk

https://www.ted.com/talks/chad_frischmann_100_solutions_to_reverse_global_warming

Advanced Words Only

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Session 1: Word List

drawdown

n. the reduction or depletion of a resource, such as water, as a result of extraction or use; the act of withdrawing funds from an account or asset, typically associated with investment or borrowing

synonym : decline, reduction, decrease

(1) **drawdown** period, (2) investment **drawdown**

The organization initiated a **drawdown** of resources from its disaster relief fund to assist the affected communities.

provoke

v. to stimulate or give rise to a particular reaction or have a particular effect

synonym : stimulate, incite, encourage

(1) **provoke** a disease, (2) **provoke** a reaction

Her behavior **provoked** a quarrel between the couple.

apathy

n. lack of emotion, concern, or enthusiasm

synonym : affectlessness, dispassion, indifference

(1) **apathy** in the election, (2) political **apathy**

The global economic crisis has led to pervasive **apathy** and powerlessness.

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.

sequester

v. to take temporary possession of someone's property until a debt is paid.

synonym : isolate, set apart, segregate

(1) **sequester** ten percent of the annual carbon emissions,

(2) **sequester** myself from the world

He approved their requests to **sequester** the jury.

photosynthesis

n. the process through which plants and other organisms transform light energy into chemical energy, which is then released through cellular respiration to power the organism's activities.

(1) oxygenic **photosynthesis**, (2) process of

photosynthesis

In **photosynthesis**, plants use carbon dioxide to feed themselves.

onshore

adj. located or happening on or near the shore or coastline; relating to activities or operations that take place on land as opposed to at sea

synonym : coastal, domestic, seaward

(1) **onshore** drilling, (2) **onshore** wind farm

The shipping company decided to switch to **onshore** storage to reduce costs.

rooftop

n. the upper surface or cover of a building's roof, often used for recreational or other purposes

synonym : roof, terrace, deck

(1) **rooftop** live, (2) **rooftop** deck

They held the dinner party on the **rooftop** terrace, enjoying the beautiful view of the city.

gigaton

n. a unit of explosive energy equal to one billion tons of TNT (= a powerful, yellow explosive substance); one

billion tons

(1) **gigaton-class** bomb, (2) half a **gigaton** of CO₂

The earthquake that hit the Pacific Ocean last night is said to have released about 30 **gigatons** of energy.

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.

refrigeration

n. the process of cooling or freezing something, especially food, to preserve it

synonym: cooling, freezing, preservation

(1) **refrigeration** car, (2) **refrigeration** technology

The supermarket had a large **refrigeration** section with all kinds of fresh produce.

fluorocarbon

n. any of a group of synthetic organic compounds containing carbon, fluorine, and sometimes other elements used as refrigerants, solvents, propellants, and lubricants

(1) **fluorocarbon** waste, (2) **fluorocarbon** aerosol

Fluorocarbon gases are used in some medical applications, such as artificial respiration.

chlorofluorocarbon

n. a type of organic compound containing carbon, chlorine, and fluorine, which was commonly used as a refrigerant and propellant, but which is now largely banned or restricted due to its destructive effect on the ozone layer

synonym: CFC, freon, halon

(1) **chlorofluorocarbon** gases, (2) **chlorofluorocarbon** production

Chlorofluorocarbon emissions have been linked to the thinning of the ozone layer.

refrigerant

n. a substance used to transfer heat from one place to another in a refrigeration (the act of making or keeping things cold) system, usually in the form of a liquid or gas

synonym : coolant, refrigeration gas

(1) **refrigerant** gas, (2) **refrigerant** leak

The **refrigerant** in the air conditioning system helps to cool the room.

underlie

v. to be the support, basis, hidden cause of something; to be located under or below

synonym : govern, control, determine

(1) **underlie** the theory of the big bang, (2) **underlie** the current economic deadlock

His bitter experiences **underlie** his moral principles.

recycle

v. to sort and collect things to process them and produce valuable materials that can be used again

synonym : reclaim, reuse, reprocess

(1) **recycle** the cardboard boxes, (2) **recycle** milk packaging into new paper

We largely **recycle** the circuit board of cell phones because they contain a lot of valuable metals.

regenerative

adj. tending to regrow or restore lost or injured tissue

synonym : rejuvenating, restorative, healing

(1) **regenerative** medicine, (2) **regenerative** therapy

The **regenerative** properties of stem cells make them a promising area of research.

envision

v. to imagine or expect what a situation will be like in the future

synonym : anticipate, foresee, picture

(1) **envision** the future, (2) **envision** the project's success

We cannot **envision** her as President.

cascade

n. a small waterfall or series of small waterfalls; a succession of stages or operations or processes or units

synonym: waterfall, watercourse, step

(1) **cascade** connection, (2) transistor **cascade**

The **cascade** of waterfalls in the national park was a breathtaking sight.

kerosene

n. a flammable, colorless, or pale yellow liquid derived from the distillation of petroleum, used as a fuel for lamps, stoves, and heaters

synonym: fuel oil, lamp oil, coal oil

(1) **kerosene** stove, (2) burning **kerosene**

The lamp in the cabin burned **kerosene** for light.

degrade

v. to make something worse, especially in quality; to show or treat someone in a way that makes them seem no value and do not have the respect or reasonable opinion of others

synonym: demean, disgrace, impair

(1) **degrade** his public image, (2) **degrade** environmental quality

You should not **degrade** yourself by allowing them to use you.

regeneration

n. the process of regrowing or re-forming a body part or tissue that has been lost or damaged due to injury, disease, or other factors; restoration or renewal of vitality, strength, or spirit

synonym: renewal, regrowth, restoration

(1) economic **regeneration**, (2) **regeneration** of forests

The **regeneration** of the damaged tissue in the body is a slow process.

rethink

v. to consider again a plan, idea, etc., especially to change it

synonym : reexplore, review, reconsider

(1) **rethink** a marketing plan, (2) **rethink** the role of the manager

We have to **rethink** our company's product lineup for further growth.

displace

v. to force someone or something to leave their home or place of origin, especially as a result of conflict, natural disaster, or manipulation

synonym : evict, exile, remove

(1) **displace** workers, (2) **displace** the explosive power

The construction of the new dam will **displace** hundreds of families living downstream.

monocropping

n. (also "monoculture") a farming practice involving the cultivation of a single crop on the same land year after year

synonym : monoculture, monoagriculture

(1) **monocropping** agriculture, (2) **monocropping** farming practices

The farmer's reliance on **monocropping** has depleted soil and decreased yields.

emit

v. to give off or send out something such as light, heat, sound, gas, etc.

synonym : give off, radiate, expel

(1) **emit** a gamma ray, (2) **emit** air pollution

During the unloading, the container box **emits** a clicking sound.

improvisation

n. the act of making something up on the spot or creating or performing something without preparation

synonym : spontaneity, ad-lib, extemporization

(1) **improvisation** on stage, (2) jazz **improvisation**

He created a beautiful piece of music using only **improvisation**.

smallholding

n. a small farm or estate that the owner or family typically works; often used to describe a farm that is smaller than a standard agricultural unit

synonym : small farm, homestead, mini ranch

(1) **smallholding** farm, (2) **smallholding** agriculture

The farmer's **smallholding** was enough to grow and sell vegetables for their family at the local market.

vegan

n. a person who does not eat or use any animal products, typically for ethical or environmental reasons

(1) raw food **vegan**, (2) **vegan** lifestyle

The **vegan** diet is based on plant-based foods.

applaud

v. to express approval of someone or something by clapping the hands

synonym : clap, celebrate, praise

(1) **applaud** his courage, (2) **applaud** the orchestra

I enthusiastically **applaud** my rival's achievement.

rebalance

v. to adjust or distribute something proportionally to restore balance; to make changes to bring a situation back into equilibrium or stability

synonym : adjust, realign, readjust

(1) **rebalance** the budget, (2) **rebalance** team roles

I need to **rebalance** my investment portfolio to reduce risk.

moreover

adv. indicating that what follows is an additional or supplementary point; furthermore; in addition to what has been said before

synonym : furthermore, besides, in addition

(1) **moreover**, she decided to go, (2) but **moreover**, they work well together

The company is environmentally conscious, and **moreover**, it uses sustainable materials in its products.

astound

v. to surprise or shock someone with wonder very much

synonym : amaze, astonish, surprise

(1) **astound** everyone, (2) **astound** the viewer
The final result was nothing short of **astounding**.

wastage

n. the act or process of losing or destroying something, especially because it is old or has been dealt with carelessly

synonym: dissipation, diffusion, abrasion

(1) natural **wastage**, (2) capital **wastage** cost

We must be more attentive to energy **wastage**.

methane

n. a chemical compound with the chemical formula CH₄ with no smell or color, often used as a fuel

(1) atmospheric **methane**, (2) reduce **methane** emissions

The ignition of **methane** gas in the plant killed five employees.

decompose

v. to break down or cause to break down over time into simpler substances or elements

synonym: break down, rot, spoil

(1) **decompose** matter, (2) **decompose** into simpler molecules

After the earthquake, many of the buildings in the city were left in ruins and began to **decompose**.

farmland

n. land used for farming or agricultural purposes

synonym: agriculture, cropland

(1) **farmland** acreage, (2) fertile **farmland**

The government is encouraging farmers to expand their **farmland** to increase food production.

insecure

adj. not firm or firmly fixed; likely to fail or give way, or not assured of safety

synonym: uncertain, unsure, unconfident

(1) an **insecure** future, (2) **insecure** attachment

Children in an unstructured environment often feel **insecure**.

contraception

n. the use of methods or devices to prevent pregnancy, typically by blocking fertilization or implantation of a fertilized egg, which options include contraceptives, condoms, intrauterine devices (IUDs), and sterilization procedures

(1) hormonal **contraception**, (2) **contraception** pills

Condoms are a common method of **contraception** that both men and women can use.

devoid

adj. completely lacking or free from something

synonym: empty, lacking, void

(1) **devoid** of life, (2) air **devoid** of pollution

The room was **devoid** of any furniture or decorations.

inextricable

adj. unable to be separated or escaped from

synonym: inescapable, inseparable, entangled

(1) an **inextricable** part of life, (2) form an **inextricable** bond

The knot was **inextricable**, and she had to use scissors to cut it.

intertwine

v. to twist together or become twisted together

synonym: interweave, interlace, entwine

(1) **intertwine** thread, (2) **intertwine** story

The vines **intertwine** to form a thick canopy overhead.

well-being

n. the state of being happy and healthy and prosperous

synonym: health, welfare, happiness

(1) the **well-being** of a nation, (2) a sense of **well-being**

We are responsible for the care and **well-being** of all our employees.

sustenance

n. food and drink that living things need to nourish their body

synonym: nourishment, livelihood, nutrition

(1) scanty **sustenance**, (2) **sustenance** allowance

A regular job is often a spiritual **sustenance**.

graze

v. to feed on grass or other vegetation, especially by nibbling at it repeatedly; to break the skin of a body part by scraping

synonym : nibble, feed, scrape

(1) turn cattle out to **graze**, (2) **graze** the left shoulder

The sheep **graze** on the green grass in the meadow.

agroforestry

n. a land-use management system that combines the cultivation of crops or the raising of livestock with the growth of trees and shrubs on the same piece of land

synonym : agroecology, silvopasture

(1) **agroforestry** practices, (2) sustainable **agroforestry**
Agroforestry systems significantly contribute to climate change mitigation by sequestering carbon in trees and soils.

pasture

n. an area of land used for grazing livestock

synonym : grazing land, meadow, lea

(1) **pasture** for sheep, (2) permanent **pasture**

The cows were grazing in the **pasture**.

incalculable

adj. impossible to calculate or determine accurately; too great or numerous to be measured or counted

synonym : immeasurable, incomputable, infinite

(1) **incalculable** damage, (2) **incalculable** consequences

The **incalculable** amount of stars in the universe is mind-boggling.

Session 2: Spelling

1. sma_____ing agriculture *n.* a small farm or estate that the owner or family typically works; often used to describe a farm that is smaller than a standard agricultural unit
2. un_____ie the theory of the big bang *v.* to be the support, basis, hidden cause of something; to be located under or below
3. chl_____bon gases *n.* a type of organic compound containing carbon, chlorine, and fluorine, which was commonly used as a refrigerant and propellant, but which is now largely banned or restricted due to its destructive effect on the ozone layer
4. re_____ce the budget *v.* to adjust or distribute something proportionally to restore balance; to make changes to bring a situation back into equilibrium or stability
5. gi_____n-class bomb *n.* a unit of explosive energy equal to one billion tons of TNT (= a powerful, yellow explosive substance); one billion tons
6. flu_____bon waste *n.* any of a group of synthetic organic compounds containing carbon, fluorine, and sometimes other elements used as refrigerants, solvents, propellants, and lubricants
7. inc_____ble damage *adj.* impossible to calculate or determine accurately; too great or numerous to be measured or counted

ANSWERS: 1. smallholding, 2. underlie, 3. chlorofluorocarbon, 4. rebalance, 5. gigaton, 6. fluorocarbon, 7. incalculable

8. an op_____ne remark *adj.* suitable or happening at a time that is suitable or convenient for a particular purpose
9. gr__e the left shoulder *v.* to feed on grass or other vegetation, especially by nibbling at it repeatedly; to break the skin of a body part by scraping
10. jazz imp_____ion *n.* the act of making something up on the spot or creating or performing something without preparation
11. ap_____d the orchestra *v.* to express approval of someone or something by clapping the hands
12. con_____ion pills *n.* the use of methods or devices to prevent pregnancy, typically by blocking fertilization or implantation of a fertilized egg, which options include contraceptives, condoms, intrauterine devices (IUDs), and sterilization procedures
13. atmospheric me_____e *n.* a chemical compound with the chemical formula CH₄ with no smell or color, often used as a fuel
14. agr_____try practices *n.* a land-use management system that combines the cultivation of crops or the raising of livestock with the growth of trees and shrubs on the same piece of land
15. half a gi_____n of CO₂ *n.* a unit of explosive energy equal to one billion tons of TNT (= a powerful, yellow explosive substance); one billion tons

ANSWERS: 8. opportune, 9. graze, 10. improvisation, 11. applaud, 12. contraception, 13. methane, 14. agroforestry, 15. gigaton

16. reg_____ion of forests *n.* the process of regrowing or re-forming a body part or tissue that has been lost or damaged due to injury, disease, or other factors; restoration or renewal of vitality, strength, or spirit
17. investment dr_____wn *n.* the reduction or depletion of a resource, such as water, as a result of extraction or use; the act of withdrawing funds from an account or asset, typically associated with investment or borrowing
18. un_____ie the current economic deadlock *v.* to be the support, basis, hidden cause of something; to be located under or below
19. inc_____ble consequences *adj.* impossible to calculate or determine accurately; too great or numerous to be measured or counted
20. de_____e his public image *v.* to make something worse, especially in quality; to show or treat someone in a way that makes them seem no value and do not have the respect or reasonable opinion of others
21. a sense of wel_____ng *n.* the state of being happy and healthy and prosperous
22. ap____y in the election *n.* lack of emotion, concern, or enthusiasm
23. on_____e drilling *adj.* located or happening on or near the shore or coastline; relating to activities or operations that take place on land as opposed to at sea
24. de_____se into simpler molecules *v.* to break down or cause to break down over time into simpler substances or elements

ANSWERS: 16. regeneration, 17. drawdown, 18. underlie, 19. incalculable, 20. degrade, 21. well-being, 22. apathy, 23. onshore, 24. decompose

25. mo_____er, she decided to go *adv.* indicating that what follows is an additional or supplementary point; furthermore; in addition to what has been said before
26. ref_____nt gas *n.* a substance used to transfer heat from one place to another in a refrigeration (the act of making or keeping things cold) system, usually in the form of a liquid or gas
27. but mo_____er, they work well together *adv.* indicating that what follows is an additional or supplementary point; furthermore; in addition to what has been said before
28. op_____ne occasion *adj.* suitable or happening at a time that is suitable or convenient for a particular purpose
29. en_____on the project's success *v.* to imagine or expect what a situation will be like in the future
30. flu_____bon aerosol *n.* any of a group of synthetic organic compounds containing carbon, fluorine, and sometimes other elements used as refrigerants, solvents, propellants, and lubricants
31. as_____d the viewer *v.* to surprise or shock someone with wonder very much
32. fa_____nd acreage *n.* land used for farming or agricultural purposes
33. hormonal con_____ion *n.* the use of methods or devices to prevent pregnancy, typically by blocking fertilization or implantation of a fertilized egg, which options include contraceptives, condoms, intrauterine devices (IUDs), and sterilization procedures

ANSWERS: 25. moreover, 26. refrigerant, 27. moreover, 28. opportune, 29. envision, 30. fluorocarbon, 31. astound, 32. farmland, 33. contraception

34. de___d of life *adj.* completely lacking or free from something
35. reg_____ive medicine *adj.* tending to regrow or restore lost or injured tissue
36. de_____e environmental quality *v.* to make something worse, especially in quality; to show or treat someone in a way that makes them seem no value and do not have the respect or reasonable opinion of others
37. de_____se matter *v.* to break down or cause to break down over time into simpler substances or elements
38. re_____k the role of the manager *v.* to consider again a plan, idea, etc., especially to change it
39. ap_____d his courage *v.* to express approval of someone or something by clapping the hands
40. on_____e wind farm *adj.* located or happening on or near the shore or coastline; relating to activities or operations that take place on land as opposed to at sea
41. reduce me_____e emissions *n.* a chemical compound with the chemical formula CH₄ with no smell or color, often used as a fuel
42. pr_____e a reaction *v.* to stimulate or give rise to a particular reaction or have a particular effect
43. permanent pa_____e *n.* an area of land used for grazing livestock
44. an in_____re future *adj.* not firm or firmly fixed; likely to fail or give way, or not assured of safety

ANSWERS: 34. devoid, 35. regenerative, 36. degrade, 37. decompose, 38. rethink, 39. applaud, 40. onshore, 41. methane, 42. provoke, 43. pasture, 44. insecure

45. di____ce workers *v.* to force someone or something to leave their home or place of origin, especially as a result of conflict, natural disaster, or manipulation
46. raw food ve__n *n.* a person who does not eat or use any animal products, typically for ethical or environmental reasons
47. political ap___y *n.* lack of emotion, concern, or enthusiasm
48. ve__n lifestyle *n.* a person who does not eat or use any animal products, typically for ethical or environmental reasons
49. the wel_____ng of a nation *n.* the state of being happy and healthy and prosperous
50. reg_____ive therapy *adj.* tending to regrow or restore lost or injured tissue
51. natural wa_____e *n.* the act or process of losing or destroying something, especially because it is old or has been dealt with carelessly
52. fertile fa_____nd *n.* land used for farming or agricultural purposes
53. process of pho_____sis *n.* the process through which plants and other organisms transform light energy into chemical energy, which is then released through cellular respiration to power the organism's activities.
54. pr_____e a disease *v.* to stimulate or give rise to a particular reaction or have a particular effect
55. se_____er myself from the world *v.* to take temporary possession of someone's property until a debt is paid.

ANSWERS: 45. displace, 46. vegan, 47. apathy, 48. vegan, 49. well-being, 50. regenerative, 51. wastage, 52. farmland, 53. photosynthesis, 54. provoke, 55. sequester

56. ke____ne stove *n.* a flammable, colorless, or pale yellow liquid derived from the distillation of petroleum, used as a fuel for lamps, stoves, and heaters
57. dr____wn period *n.* the reduction or depletion of a resource, such as water, as a result of extraction or use; the act of withdrawing funds from an account or asset, typically associated with investment or borrowing
58. se_____er ten percent of the annual carbon emissions *v.* to take temporary possession of someone's property until a debt is paid.
59. int_____ne story *v.* to twist together or become twisted together
60. air de____d of pollution *adj.* completely lacking or free from something
61. re____k a marketing plan *v.* to consider again a plan, idea, etc., especially to change it
62. mon_____ing farming practices *n.* (also "monoculture") a farming practice involving the cultivation of a single crop on the same land year after year
63. economic reg_____ion *n.* the process of regrowing or re-forming a body part or tissue that has been lost or damaged due to injury, disease, or other factors; restoration or renewal of vitality, strength, or spirit
64. e__t air pollution *v.* to give off or send out something such as light, heat, sound, gas, etc.
65. re____e the cardboard boxes *v.* to sort and collect things to process them and produce valuable materials that can be used again

ANSWERS: 56. kerosene, 57. drawdown, 58. sequester, 59. intertwine, 60. devoid, 61. rethink, 62. monocropping, 63. regeneration, 64. emit, 65. recycle

66. sus_____ce allowance *n.* food and drink that living things need to nourish their body
67. ro_____p live *n.* the upper surface or cover of a building's roof, often used for recreational or other purposes
68. an ine_____ble part of life *adj.* unable to be separated or escaped from
69. form an ine_____ble bond *adj.* unable to be separated or escaped from
70. ro_____p deck *n.* the upper surface or cover of a building's roof, often used for recreational or other purposes
71. ref_____nt leak *n.* a substance used to transfer heat from one place to another in a refrigeration (the act of making or keeping things cold) system, usually in the form of a liquid or gas
72. re_____e milk packaging into new paper *v.* to sort and collect things to process them and produce valuable materials that can be used again
73. imp_____ion on stage *n.* the act of making something up on the spot or creating or performing something without preparation
74. transistor ca_____e *n.* a small waterfall or series of small waterfalls; a succession of stages or operations or processes or units
75. ref_____ion technology *n.* the process of cooling or freezing something, especially food, to preserve it
76. 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

ANSWERS: 66. sustenance, 67. rooftop, 68. inextricable, 69. inextricable, 70. rooftop, 71. refrigerant, 72. recycle, 73. improvisation, 74. cascade, 75. refrigeration, 76. electrify

77. capital wa_____e cost *n.* the act or process of losing or destroying something, especially because it is old or has been dealt with carelessly
78. mon_____ing agriculture *n.* (also "monoculture") a farming practice involving the cultivation of a single crop on the same land year after year
79. oxygenic pho_____sis *n.* the process through which plants and other organisms transform light energy into chemical energy, which is then released through cellular respiration to power the organism's activities.
80. sma_____ing farm *n.* a small farm or estate that the owner or family typically works; often used to describe a farm that is smaller than a standard agricultural unit
81. en_____on the future *v.* to imagine or expect what a situation will be like in the future
82. re_____ce team roles *v.* to adjust or distribute something proportionally to restore balance; to make changes to bring a situation back into equilibrium or stability
83. e__t a gamma ray *v.* to give off or send out something such as light, heat, sound, gas, etc.
84. turn cattle out to gr__e *v.* to feed on grass or other vegetation, especially by nibbling at it repeatedly; to break the skin of a body part by scraping
85. ref_____ion car *n.* the process of cooling or freezing something, especially food, to preserve it

ANSWERS: 77. wastage, 78. monocropping, 79. photosynthesis, 80. smallholding, 81. envision, 82. rebalance, 83. emit, 84. graze, 85. refrigeration

86. scanty sus_____ce *n.* food and drink that living things need to nourish their body
87. pa_____e for sheep *n.* an area of land used for grazing livestock
88. sustainable agr_____try *n.* a land-use management system that combines the cultivation of crops or the raising of livestock with the growth of trees and shrubs on the same piece of land
89. burning ke_____ne *n.* a flammable, colorless, or pale yellow liquid derived from the distillation of petroleum, used as a fuel for lamps, stoves, and heaters
90. as_____d everyone *v.* to surprise or shock someone with wonder very much
91. di_____ce the explosive power *v.* to force someone or something to leave their home or place of origin, especially as a result of conflict, natural disaster, or manipulation
92. chl_____bon production *n.* a type of organic compound containing carbon, chlorine, and fluorine, which was commonly used as a refrigerant and propellant, but which is now largely banned or restricted due to its destructive effect on the ozone layer
93. in_____re attachment *adj.* not firm or firmly fixed; likely to fail or give way, or not assured of safety
94. 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

ANSWERS: 86. sustenance, 87. pasture, 88. agroforestry, 89. kerosene, 90. astound, 91. displace, 92. chlorofluorocarbon, 93. insecure, 94. electrify

95. int_____ne thread

v. to twist together or become twisted together

96. ca_____e connection

n. a small waterfall or series of small waterfalls; a succession of stages or operations or processes or units

ANSWERS: 95. intertwine, 96. cascade

Session 3: Fill in the Blanks

1. The _____ in the air conditioning system helps to cool the room.
 - n.* a substance used to transfer heat from one place to another in a refrigeration (the act of making or keeping things cold) system, usually in the form of a liquid or gas

2. During the unloading, the container box _____ a clicking sound.
 - v.* to give off or send out something such as light, heat, sound, gas, etc.

3. _____ gases are used in some medical applications, such as artificial respiration.
 - n.* any of a group of synthetic organic compounds containing carbon, fluorine, and sometimes other elements used as refrigerants, solvents, propellants, and lubricants

4. The vines _____ to form a thick canopy overhead.
 - v.* to twist together or become twisted together

5. I need to _____ my investment portfolio to reduce risk.
 - v.* to adjust or distribute something proportionally to restore balance; to make changes to bring a situation back into equilibrium or stability

6. _____ systems significantly contribute to climate change mitigation by sequestering carbon in trees and soils.
 - n.* a land-use management system that combines the cultivation of crops or the raising of livestock with the growth of trees and shrubs on the same piece of land

7. I enthusiastically _____ my rival's achievement.
 - v.* to express approval of someone or something by clapping the hands

ANSWERS: 1. refrigerant, 2. emits, 3. Fluorocarbon, 4. intertwine, 5. rebalance, 6. Agroforestry, 7. applaud

8. His bitter experiences _____ his moral principles.
- v. to be the support, basis, hidden cause of something; to be located under or below
9. The organization initiated a _____ of resources from its disaster relief fund to assist the affected communities.
- n. the reduction or depletion of a resource, such as water, as a result of extraction or use; the act of withdrawing funds from an account or asset, typically associated with investment or borrowing
10. The final result was nothing short of _____.
- v. to surprise or shock someone with wonder very much
11. We must be more attentive to energy _____.
- n. the act or process of losing or destroying something, especially because it is old or has been dealt with carelessly
12. The cows were grazing in the _____.
- n. an area of land used for grazing livestock
13. The sheep _____ on the green grass in the meadow.
- v. to feed on grass or other vegetation, especially by nibbling at it repeatedly; to break the skin of a body part by scraping
14. The construction of the new dam will _____ hundreds of families living downstream.
- v. to force someone or something to leave their home or place of origin, especially as a result of conflict, natural disaster, or manipulation
15. We cannot _____ her as President.
- v. to imagine or expect what a situation will be like in the future

ANSWERS: 8. underlie, 9. drawdown, 10. astounding, 11. wastage, 12. pasture, 13. graze, 14. displace, 15. envision

16. The lamp in the cabin burned _____ for light.
n. a flammable, colorless, or pale yellow liquid derived from the distillation of petroleum, used as a fuel for lamps, stoves, and heaters
17. The _____ of waterfalls in the national park was a breathtaking sight.
n. a small waterfall or series of small waterfalls; a succession of stages or operations or processes or units
18. The _____ diet is based on plant-based foods.
n. a person who does not eat or use any animal products, typically for ethical or environmental reasons
19. The shipping company decided to switch to _____ storage to reduce costs.
adj. located or happening on or near the shore or coastline; relating to activities or operations that take place on land as opposed to at sea
20. The company is environmentally conscious, and _____ it uses sustainable materials in its products.
adv. indicating that what follows is an additional or supplementary point; furthermore; in addition to what has been said before
21. Her behavior _____ a quarrel between the couple.
v. to stimulate or give rise to a particular reaction or have a particular effect
22. The government is encouraging farmers to expand their _____ to increase food production.
n. land used for farming or agricultural purposes
23. The knot was _____ and she had to use scissors to cut it.
adj. unable to be separated or escaped from

ANSWERS: 16. kerosene, 17. cascade, 18. vegan, 19. onshore, 20. moreover, 21. provoked, 22. farmland, 23. inextricable,

24. The ignition of _____ gas in the plant killed five employees.
n. a chemical compound with the chemical formula CH₄ with no smell or color, often used as a fuel
25. The phone rang at the most _____ time.
adj. suitable or happening at a time that is suitable or convenient for a particular purpose
26. The _____ properties of stem cells make them a promising area of research.
adj. tending to regrow or restore lost or injured tissue
27. The _____ amount of stars in the universe is mind-boggling.
adj. impossible to calculate or determine accurately; too great or numerous to be measured or counted
28. The earthquake that hit the Pacific Ocean last night is said to have released about 30 _____ of energy.
n. a unit of explosive energy equal to one billion tons of TNT (= a powerful, yellow explosive substance); one billion tons
29. A regular job is often a spiritual _____.
n. food and drink that living things need to nourish their body
30. After the earthquake, many of the buildings in the city were left in ruins and began to _____.
v. to break down or cause to break down over time into simpler substances or elements
31. We have to _____ our company's product lineup for further growth.
v. to consider again a plan, idea, etc., especially to change it

ANSWERS: 24. methane, 25. opportune, 26. regenerative, 27. incalculable, 28. gigatons, 29. sustenance, 30. decompose, 31. rethink

32. The _____ of the damaged tissue in the body is a slow process.
- n.* the process of regrowing or re-forming a body part or tissue that has been lost or damaged due to injury, disease, or other factors; restoration or renewal of vitality, strength, or spirit
33. We are responsible for the care and _____ of all our employees.
- n.* the state of being happy and healthy and prosperous
34. He created a beautiful piece of music using only _____.
- n.* the act of making something up on the spot or creating or performing something without preparation
35. The farmer's _____ was enough to grow and sell vegetables for their family at the local market.
- n.* a small farm or estate that the owner or family typically works; often used to describe a farm that is smaller than a standard agricultural unit
36. You should not _____ yourself by allowing them to use you.
- v.* to make something worse, especially in quality; to show or treat someone in a way that makes them seem no value and do not have the respect or reasonable opinion of others
37. _____ emissions have been linked to the thinning of the ozone layer.
- n.* a type of organic compound containing carbon, chlorine, and fluorine, which was commonly used as a refrigerant and propellant, but which is now largely banned or restricted due to its destructive effect on the ozone layer
38. Children in an unstructured environment often feel _____.
- adj.* not firm or firmly fixed; likely to fail or give way, or not assured of safety

ANSWERS: 32. regeneration, 33. well-being, 34. improvisation, 35. smallholding, 36. degrade, 37. Chlorofluorocarbon, 38. insecure

39. He approved their requests to _____ the jury.
- v.* to take temporary possession of someone's property until a debt is paid.
40. They held the dinner party on the _____ terrace, enjoying the beautiful view of the city.
- n.* the upper surface or cover of a building's roof, often used for recreational or other purposes
41. The global economic crisis has led to pervasive _____ and powerlessness.
- n.* lack of emotion, concern, or enthusiasm
42. Condoms are a common method of _____ that both men and women can use.
- n.* the use of methods or devices to prevent pregnancy, typically by blocking fertilization or implantation of a fertilized egg, which options include contraceptives, condoms, intrauterine devices (IUDs), and sterilization procedures
43. 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
44. The supermarket had a large _____ section with all kinds of fresh produce.
- n.* the process of cooling or freezing something, especially food, to preserve it
45. We largely _____ the circuit board of cell phones because they contain a lot of valuable metals.
- v.* to sort and collect things to process them and produce valuable materials that can be used again

ANSWERS: 39. sequester, 40. rooftop, 41. apathy, 42. contraception, 43. electrify, 44. refrigeration, 45. recycle

46. In _____ plants use carbon dioxide to feed themselves.
n. the process through which plants and other organisms transform light energy into chemical energy, which is then released through cellular respiration to power the organism's activities.
47. The farmer's reliance on _____ has depleted soil and decreased yields.
n. (also "monoculture") a farming practice involving the cultivation of a single crop on the same land year after year
48. The room was _____ of any furniture or decorations.
adj. completely lacking or free from something

ANSWERS: 46. photosynthesis, 47. monocropping, 48. devoid