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Vocabulary Builder Reference from...

Luka Seamus Wright: These animals are also plants

... wait, what? | TED Talk

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

All Words

IMPORTANT

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Session 1: Word List

slug

n. a common name for any terrestrial gastropod mollusk that appears to lack a shell with soft and black or brown color; a bullet, a shot of alcoholic drink

(1) lazy **slug**, (2) reduce **slug** damage

I spotted a giant **slug** in the rain garden.

extraordinary

adj. exceptional, unexpected, very unusual; surpassing the ordinary or usual

synonym : exceptional, noteworthy, astonishing

(1) **extraordinary** ability, (2) **extraordinary** weather

He narrated the **extraordinary** story of his adventure.

marsh

n. a type of land that is always wet and has soft soil; swamp or bog

synonym : bog, swamp, fen

(1) **marsh** bird, (2) river-delta **marsh**

Environmentalists are concerned about the harm to the **marsh**.

heterotroph

n. an organism that is unable to make its food and must thus obtain sustenance from other sources of organic carbon, primarily plant or animal materials

(1) nutrition of **heterotroph**, (2) reproduction of

heterotrophs

Some eubacteria are autotrophs, whereas others are **heterotrophs**.

autotroph

n. a living thing capable of producing sustenance from essential chemical compounds such as carbon dioxide.
(1) photosynthetic **autotroph**, (2) the cell of **autotroph**
Plants are **autotrophs**, meaning they produce their nutrition.

synthesize

v. to combine a substance to make a more complex product or compound
synonym: incorporate, amalgamate
(1) **synthesize** molecules, (2) **synthesize** information
The spider can **synthesize** multiple different silk proteins.

fuel

n. a substance that is typically burned to generate heat or energy
synonym: energy, power, gas
(1) biomass **fuel**, (2) smokeless **fuel**
The **fuel** scarcity most severely impacted the manufacturing sector

sunlight

n. the light emitted by the sun; the rays of the sun
synonym: daylight, rays, sunshine
(1) a glare of **sunlight**, (2) in direct **sunlight**
Radiation from **sunlight** has a different wavelength.

inorganic

adj. being or consisting of nonliving stuff; chemical compounds that contain no or only trace amounts of carbon
(1) **inorganic** acid, (2) **inorganic** nutrition
Inorganic substances include rocks and minerals.

compound

n. an item composed of two or more distinct elements combined; a chemical formed by the combination of two or more elements
synonym: combination, mixture, blend

(1) aquatic **compound**, (2) harmful **compound**
Common salt is a sodium and chlorine **compound**.

organelle

n. a specialized subunit, usually within a cell, that has a specific function

(1) cellular **organelles**, (2) **organelle** protein
Membranes bind these **organelles** together.

chloroplast

n. a type of membrane-bound organelle that conducts photosynthesis in plant and algal cells.

(1) **chloroplast** DNA, (2) **chloroplast** protein
Chloroplast membranes are incredibly vulnerable to damage by oxygen radicals produced as a byproduct of photochemistry.

convert

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

synonym: alter, remake, transform

(1) **convert** fat into energy, (2) **convert** base 10 to base 16
I want to **convert** my sadness into strength.

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.

mixotroph

n. an organism that can utilize various energy and carbon sources instead of having a single trophic mode on a continuum ranging from total autotrophy to complete heterotrophy

(1) a creature that is a **mixotroph**, (2) ecology of **mixotroph**
In a different type of **mixotroph**, amoebae and ciliates solely utilize the plastids of their algal prey for photosynthesis.

consume

v. to spend something, especially fuel, energy, or time, in a large amount

synonym: absorb, ingest, use up

(1) **consume** a large of alcohol, (2) **consume** electricity

A smaller car will **consume** less fuel.

algae

n. A simple plant that grows in or near water and lacks typical leaves and roots

(1) **algae** biofuel, (2) blue **algae**

Algae has jammed the inlet to the water turbine.

piercing

adj. going through something; appearing to notice things about another person that would typically go unnoticed, especially in a way that causes that individual to feel uncomfortable

synonym: sharp, acute, biting

(1) **piercing** laughter, (2) **piercing** pain

A **piercing** scream filled the room.

radula

n. an anatomical structure utilized by mollusks that are frequently compared to a tongue

(1) the **radula** of mollusks, (2) the growth of **radula**

Many gastropods use their **radula** to rasp away at algae.

digest

v. to transform food into absorbable substances; break down

synonym: absorb, condense

(1) **digest** information, (2) help **digest** food

Most babies can readily **digest** a wide variety of foods.

intact

adj. undamaged and complete

synonym: flawless, unchanged, entire

(1) **intact** brain, (2) **intact** forestland

Despite the scandals, his reputation remained **intact**.

incorporate

v. to include something as a part of a larger entity

synonym: contain, integrate, amalgamate

(1) **incorporate** the current trends, (2) **incorporate** technology into daily life

We will attempt to **incorporate** some of your suggestions into our future strategy.

epithelial

adj. relating to the layer of cells that covers the majority of the body's surfaces

(1) **epithelial** surface, (2) **epithelial** layer

The majority of cells in the lung are **epithelial** cells.

digestive

adj. relating to or capable of causing or promoting digestion of food

(1) **digestive** juices, (2) a **digestive** enzyme

A nutritious diet improves **digestive** functions.

camouflage

n. an outward appearance that conceals the underlying essence of something; the way of concealing troops or military equipment so they cannot be seen against the surrounding environment

synonym : guise, mask, cloak

(1) **camouflage** clothing, (2) work as **camouflage**

They utilized branches of trees as **camouflage**.

incredible

adj. unbelievable; enormous

synonym : unbelievable, fantastical, inconceivable

(1) **incredible** amount, (2) at **incredible** speed

Her response revealed **incredible** idiocy.

adaptation

n. the action or process of changing to suit different conditions

synonym : adaption, adjustment, transformation

(1) **adaptation** ability, (2) language **adaptation**

The company's **adaptation** approach has been highly effective.

Mediterranean

n. the sea encircled by southern Europe, northern Africa, and western Asia

(1) **Mediterranean** agriculture, (2) **Mediterranean** climate
They plan to take a **Mediterranean** cruise.

longevity

n. the property of being long-lived; significant duration of service

synonym : seniority, endurance

(1) **longevity** crisis, (2) **longevity** genes

He is proud of the **longevity** of the business.

survival

n. the state of continuing to exist or live, frequently in the face of difficulty or danger

synonym : endurance, continuity

(1) **survival** ability, (2) **survival** food

He evaluated his chances for **survival** rather pessimistically.

plastid

n. a membrane-bound organelle present in the cells of plants, algae, and certain other eukaryotic species

(1) **plastid** envelope, (2) pigmented **plastid**

Plastids are found in plants and many algal groupings.

specifically

adv. only associated with or meant for one thing

synonym : especially, particularly, notably

(1) designed **specifically** for men, (2) for **specifically** American customers

This ad campaign is aimed **specifically** at young women.

harvest

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

synonym : crop, reaping, yield

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

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

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.

gene

n. the fundamental unit of heredity and the sequence of nucleotides in DNA that codes for the creation of RNA or protein.

synonym: factor, cistron

(1) **gene** expression, (2) **gene** cloning

A defective **gene** is responsible for the disease.

sustain

v. to supply enough of what somebody or something needs to survive or exist; to accept as valid

synonym: maintain, nurture, support

(1) **sustain** a good relationship with him, (2) **sustain** a wellness lifestyle

She struggled to **sustain** the children's reading habits.

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.

improve

v. to make or become better

synonym: enhance, ameliorate, enrich

(1) **improve** a process, (2) **improve** the test score

We want to **improve** ties between our two countries.

relation

n. the way two persons or groups of people feel and act toward one another

synonym: association, linkage, connection

(1) **relation** between cause and effect, (2) **relation** of inclusion

The industrial **relations** laws were passed with little to no alteration.

- 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.
- accumulation** *n.* an amount of something obtained via natural growth or addition
synonym : accretion, pileup, upsurge
(1) **accumulation** of wealth, (2) **accumulation** effect
Accumulation of fuel discounts is common practice among many retailers.
- chemical** *adj.* relating to or connected with chemistry;
synonym : chemic, synthetic
(1) toxic **chemicals**, (2) a **chemical** compound
The firm has grown into a large **chemical** manufacturing.
- assist** *v.* to help someone in doing anything
synonym : help, support, aid
(1) **assist** a patient, (2) **assist** his goal
Please **assist** her with the furniture relocation.
- diverse** *adj.* including numerous categories of individuals or entities; various
synonym : manifold, various, myriad
(1) **diverse** backgrounds, (2) a person of **diverse** talents
New York is a city with a **diverse** ethnic population.
- coral** *n.* a rock-like substance created in the sea by groupings of specific types of small animals, commonly used in jewelry
(1) **coral** island, (2) **coral** ornament
She is wearing a **coral** necklace.
- giant** *adj.* enormous; much bigger or more important than similar items usually are

synonym : big, gigantic, huge

(1) **giant** trees, (2) **giant** tech company

The **giant** jets gradually dominate the world's airlines.

clam

n. a marine mollusk that burrows and lives on sand or mud, the shell closes with viselike firmness

(1) giant **clam**, (2) shuck a **clam**

The **clam** digs through the sand to a significant depth.

sponge

n. a soft material with many microscopic pores that can absorb a large amount of liquid and is used for washing and cleaning

(1) sea **sponge**, (2) metallic **sponge**

The tiny marine **sponge** has existed for more than 500 million years.

symbiotic

adj. involving two varieties of animal or plant, each of which supplies the conditions for the other to exist

(1) **symbiotic** economy, (2) **symbiotic** bacteria

We have a mutually **symbiotic** connection with them.

organic

adj. of or derived from biological substance; producing plants and animals for food and other items without the use of synthetic chemicals

synonym : biological

(1) **organic** soils, (2) eat **organic** food

The kidney is an **organic** component of the body.

shelter

n. a structure built to protect from poor weather, danger, or attack:

synonym : refuge, hideout, lair

(1) rainproof **shelter**, (2) anti-air raid **shelter**

They need food and **shelter**.

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.

offspring

n. descendant; any immature animal or plant
synonym: children, descendants, heirs

(1) female **offspring**, (2) produce **offspring**
How many **offspring** does the average lion have?

aid

n. things sent to help countries in need, notably food or money; support
synonym: helper, resource, assistance

(1) financial **aid**, (2) country-by-country **aid** programs
Pakistan's **aid** budget was still being reviewed.

nutrition

n. the substances or the process that organisms take into their bodies as food for their growth and health
synonym: alimentation, nourishment, sustenance

(1) **nutrition** condition, (2) **nutrition** intake
This food contains all the **nutrition** your dog requires.

tropical

adj. originating in, located in, or characteristic of the tropics
synonym: equatorial, tropic

(1) **tropical** cyclones, (2) **tropical** islands
Tropical storm Marco is making his way along the coast of Florida.

dazzling

adj. shining brightly; highly attractive or exciting
synonym: astonishing, breathtaking, flashy

(1) **dazzling** debut, (2) **dazzling** views
Last night, the team delivered a **dazzling** performance.

reef

n. a long chain or range of rocks or sand near the ocean's surface

(1) barrier **reef**, (2) coral **reefs**
The vessel ran aground on a **reef**.

microscopic

adj. tiny; exceedingly precise and detail-oriented; of or used in microscopy

synonym : infinitesimal, tiny, atomic

(1) **microscopic** inquiry, (2) **microscopic** analysis

Inspectors noticed **microscopic** cracks in the submarine's hull.

survive

v. to live or exist despite a dangerous event or period

synonym : endure, persist, stay

(1) **survive** a blizzard, (2) **survive** a plane crash

These birds can only **survive** in temperate climates.

frequent

adj. happening constantly

synonym : periodic, recurring, routine

(1) **frequent** absence, (2) **frequent** use

His heartaches are less **frequent** now.

trench

n. a long, deep ditch made in the ground, usually parallel to a plate boundary and marking a subduction zone; a long ditch built in the ground for carrying away water

synonym : aqueduct, ditch, channel

(1) deep-sea **trench**, (2) **trench** excavator

A **trench** was being dug alongside the road by workers.

inhabit

v. to live in a specific location; to reside

synonym : settle, occupy, populate

(1) **inhabit** a cave, (2) **inhabit** the stomach

I have no idea what sort of folks **inhabit** the neighborhood.

reminiscent

adj. making you remember someone or something; relating to the recall of personal interests

synonym : evocative, remindful, redolent

(1) **reminiscent** of ancient times, (2) **reminiscent** smile

His painting style is **reminiscent** of Monet's

origin

n. the first existence or beginning of something

synonym :

root, source, ancestor

(1) **origin** of all humankind, (2) a manuscript of uncertain **origin**

There are various hypotheses concerning the **origin** of life.

prey

n. the object of a hunt; an animal hunted or trapped for eating

synonym: target, quarry, chase

(1) **prey** of beast, (2) become **prey** to terrorists

The majority of snakes swallow their **prey** whole.

eventually

adv. finally, particularly after a long time or a lot of struggle, complications, and so on

synonym: finally, someday, ultimately

(1) **eventually** become obsolete, (2) **eventually** succeed

The corporation **eventually** dominated the entire tobacco business.

eukaryotic

n. organisms whose cell nuclei are surrounded by a nuclear envelope

(1) **eukaryotic** algae, (2) **eukaryotic** genome

Mitochondria exist in every **eukaryotic** cell.

hijack

v. to seize control of an airplane or other vehicle during an operation, especially with violence

synonym: commandeer, seize, pirate

(1) **hijack** a helicopter, (2) **hijack** a phone number

He made a desperate effort to **hijack** an airliner.

precious

adj. uncommon and extremely valuable

synonym: adored, cherished, valued

(1) price of **precious** metals, (2) **precious** information

We cannot afford to squander **precious** time.

heist

n. a crime in which expensive items are illegally and frequently violently removed from a location or person

synonym : robbery, theft, rip-off

(1) **heist** man, (2) jewel **heist**

Several airport security staff were involved in the **heist**.

membrane

n. a soft, thin layer that forms animal or vegetable tissue

synonym : tissue layer

(1) cell **membranes**, (2) nuclear **membrane**

Loud noises might harm the fragile ear **membrane**.

Session 2: Spelling

- | | |
|------------------------------------|---|
| 1. harmful co____nd | <i>n.</i> an item composed of two or more distinct elements combined; a chemical formed by the combination of two or more elements |
| 2. rainproof sh____r | <i>n.</i> a structure built to protect from poor weather, danger, or attack: |
| 3. in direct su____ht | <i>n.</i> the light emitted by the sun; the rays of the sun |
| 4. euk____ic genome | <i>n.</i> organisms whose cell nuclei are surrounded by a nuclear envelope |
| 5. su____al ability | <i>n.</i> the state of continuing to exist or live, frequently in the face of difficulty or danger |
| 6. ma__h bird | <i>n.</i> a type of land that is always wet and has soft soil; swamp or bog |
| 7. or____n of all humankind | <i>n.</i> the first existence or beginning of something |
| 8. country-by-country a_d programs | <i>n.</i> things sent to help countries in need, notably food or money; support |
| 9. ad____t a schedule | <i>v.</i> to make a minor modification to something to make it more suited for a new set of conditions or to make it function better. |
| 10. su____e a plane crash | <i>v.</i> to live or exist despite a dangerous event or period |
| 11. tr____al cyclones | <i>adj.</i> originating in, located in, or characteristic of the tropics |

ANSWERS: 1. compound, 2. shelter, 3. sunlight, 4. eukaryotic, 5. survival, 6. marsh, 7. origin, 8. aid, 9. adjust, 10. survive, 11. tropical

12. da____ng debut *adj.* shining brightly; highly attractive or exciting
13. su____al food *n.* the state of continuing to exist or live, frequently in the face of difficulty or danger
14. photosynthetic au____ph *n.* a living thing capable of producing sustenance from essential chemical compounds such as carbon dioxide.
15. tr____it the disease *v.* to send or forward an electronic signal; to pass something from one person or thing to another
16. language ada____on *n.* the action or process of changing to suit different conditions
17. help di____t food *v.* to transform food into absorbable substances; break down
18. a glare of su____ht *n.* the light emitted by the sun; the rays of the sun
19. cellular or____les *n.* a specialized subunit, usually within a cell, that has a specific function
20. nu____on intake *n.* the substances or the process that organisms take into their bodies as food for their growth and health
21. reproduction of het____phs *n.* an organism that is unable to make its food and must thus obtain sustenance from other sources of organic carbon, primarily plant or animal materials
22. metallic sp____e *n.* a soft material with many microscopic pores that can absorb a large amount of liquid and is used for washing and cleaning

ANSWERS: 12. dazzling, 13. survival, 14. autotroph, 15. transmit, 16. adaptation, 17. digest, 18. sunlight, 19. organelle, 20. nutrition, 21. heterotroph, 22. sponge

23. pigmented pl_____d *n.* a membrane-bound organelle present in the cells of plants, algae, and certain other eukaryotic species
24. da_____ng views *adj.* shining brightly; highly attractive or exciting
25. in____t brain *adj.* undamaged and complete
26. syn_____ze molecules *v.* to combine a substance to make a more complex product or compound
27. sy_____ic bacteria *adj.* involving two varieties of animal or plant, each of which supplies the conditions for the other to exist
28. co__l ornament *n.* a rock-like substance created in the sea by groupings of specific types of small animals, commonly used in jewelry
29. pi_____ng laughter *adj.* going through something; appearing to notice things about another person that would typically go unnoticed, especially in a way that causes that individual to feel uncomfortable
30. smokeless f__l *n.* a substance that is typically burned to generate heat or energy
31. sea sp____e *n.* a soft material with many microscopic pores that can absorb a large amount of liquid and is used for washing and cleaning
32. reap a ha_____t *n.* yields of plants in a single growing season; the period of the year when gathering occurs on a farm
33. di____t information *v.* to transform food into absorbable substances; break down

ANSWERS: 23. plastid, 24. dazzling, 25. intact, 26. synthesize, 27. symbiotic, 28. coral, 29. piercing, 30. fuel, 31. sponge, 32. harvest, 33. digest

34. blue al__e *n.* A simple plant that grows in or near water and lacks typical leaves and roots
35. a di_____ve enzyme *adj.* relating to or capable of causing or promoting digestion of food
36. d_m collapsing *n.* a wall constructed over a river to block the flow of water, mainly used to generate energy
37. re_____on between cause and effect *n.* the way two persons or groups of people feel and act toward one another
38. a manuscript of uncertain or___n *n.* the first existence or beginning of something
39. di_____ve juices *adj.* relating to or capable of causing or promoting digestion of food
40. cam_____ge clothing *n.* an outward appearance that conceals the underlying essence of something; the way of concealing troops or military equipment so they cannot be seen against the surrounding environment
41. anti-air raid sh_____r *n.* a structure built to protect from poor weather, danger, or attack:
42. tr___h excavator *n.* a long, deep ditch made in the ground, usually parallel to a plate boundary and marking a subduction zone; a long ditch built in the ground for carrying away water
43. su_____n a wellness lifestyle *v.* to supply enough of what somebody or something needs to survive or exist; to accept as valid
44. epi_____al layer *adj.* relating to the layer of cells that covers the majority of the body's surfaces

ANSWERS: 34. algae, 35. digestive, 36. dam, 37. relation, 38. origin, 39. digestive, 40. camouflage, 41. shelter, 42. trench, 43. sustain, 44. epithelial

45. pl____d envelope *n.* a membrane-bound organelle present in the cells of plants, algae, and certain other eukaryotic species
46. sy_____ic economy *adj.* involving two varieties of animal or plant, each of which supplies the conditions for the other to exist
47. co_____e a large of alcohol *v.* to spend something, especially fuel, energy, or time, in a large amount
48. pr_____us information *adj.* uncommon and extremely valuable
49. jewel he__t *n.* a crime in which expensive items are illegally and frequently violently removed from a location or person
50. 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.
51. su_____e a blizzard *v.* to live or exist despite a dangerous event or period
52. lo_____ty genes *n.* the property of being long-lived; significant duration of service
53. the cell of au_____ph *n.* a living thing capable of producing sustenance from essential chemical compounds such as carbon dioxide.
54. biomass f__l *n.* a substance that is typically burned to generate heat or energy
55. re_____on of inclusion *n.* the way two persons or groups of people feel and act toward one another
56. 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.

ANSWERS: 45. plastid, 46. symbiotic, 47. consume, 48. precious, 49. heist, 50. adjust, 51. survive, 52. longevity, 53. autotroph, 54. fuel, 55. relation, 56. rely

57. reduce s__g damage *n.* a common name for any terrestrial gastropod mollusk that appears to lack a shell with soft and black or brown color; a bullet, a shot of alcoholic drink
58. fr_____nt absence *adj.* happening constantly
59. hi___k a helicopter *v.* to seize control of an airplane or other vehicle during an operation, especially with violence
60. a scanty ha_____t *n.* yields of plants in a single growing season; the period of the year when gathering occurs on a farm
61. at inc_____le speed *adj.* unbelievable; enormous
62. nutrition of het_____ph *n.* an organism that is unable to make its food and must thus obtain sustenance from other sources of organic carbon, primarily plant or animal materials
63. mic_____ic analysis *adj.* tiny; exceedingly precise and detail-oriented; of or used in microscopy
64. a creature that is a mi_____ph *n.* an organism that can utilize various energy and carbon sources instead of having a single trophic mode on a continuum ranging from total autotrophy to complete heterotrophy
65. g__e expression *n.* the fundamental unit of heredity and the sequence of nucleotides in DNA that codes for the creation of RNA or protein.
66. in_____ic acid *adj.* being or consisting of nonliving stuff; chemical compounds that contain no or only trace amounts of carbon

ANSWERS: 57. slug, 58. frequent, 59. hijack, 60. harvest, 61. incredible, 62. heterotroph, 63. microscopic, 64. mixotroph, 65. gene, 66. inorganic

67. epi_____al surface *adj.* relating to the layer of cells that covers the majority of the body's surfaces
68. gi__t tech company *adj.* enormous; much bigger or more important than similar items usually are
69. al__e biofuel *n.* A simple plant that grows in or near water and lacks typical leaves and roots
70. in_____ic nutrition *adj.* being or consisting of nonliving stuff; chemical compounds that contain no or only trace amounts of carbon
71. ext_____ary weather *adj.* exceptional, unexpected, very unusual; surpassing the ordinary or usual
72. eve_____ly become obsolete *adv.* finally, particularly after a long time or a lot of struggle, complications, and so on
73. lo_____ty crisis *n.* the property of being long-lived; significant duration of service
74. di_____e backgrounds *adj.* including numerous categories of individuals or entities; various
75. giant c__m *n.* a marine mollusk that burrows and lives on sand or mud, the shell closes with viselike firmness
76. im_____e the test score *v.* to make or become better
77. 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.
78. pi_____ng pain *adj.* going through something; appearing to notice things about another person that would typically go unnoticed, especially in a way that causes that individual to feel uncomfortable

ANSWERS: 67. epithelial, 68. giant, 69. algae, 70. inorganic, 71. extraordinary, 72. eventually, 73. longevity, 74. diverse, 75. clam, 76. improve, 77. photosynthesis, 78. piercing

79. g__e cloning *n.* the fundamental unit of heredity and the sequence of nucleotides in DNA that codes for the creation of RNA or protein.
80. im_____e a process *v.* to make or become better
81. nu_____on condition *n.* the substances or the process that organisms take into their bodies as food for their growth and health
82. deep-sea tr___h *n.* a long, deep ditch made in the ground, usually parallel to a plate boundary and marking a subduction zone; a long ditch built in the ground for carrying away water
83. financial a_d *n.* things sent to help countries in need, notably food or money; support
84. female of_____ng *n.* descendant; any immature animal or plant
85. ada_____on ability *n.* the action or process of changing to suit different conditions
86. cell me_____nes *n.* a soft, thin layer that forms animal or vegetable tissue
87. the ra___a of mollusks *n.* an anatomical structure utilized by mollusks that are frequently compared to a tongue
88. in___t forestland *adj.* undamaged and complete
89. designed spe_____lly for men *adv.* only associated with or meant for one thing
90. eve_____ly succeed *adv.* finally, particularly after a long time or a lot of struggle, complications, and so on

ANSWERS: 79. gene, 80. improve, 81. nutrition, 82. trench, 83. aid, 84. offspring, 85. adaptation, 86. membrane, 87. radula, 88. intact, 89. specifically, 90. eventually

91. inc_____te the current trends *v.* to include something as a part of a larger entity
92. in_____t the stomach *v.* to live in a specific location; to reside
93. euk_____ic algae *n.* organisms whose cell nuclei are surrounded by a nuclear envelope
94. nuclear me_____ne *n.* a soft, thin layer that forms animal or vegetable tissue
95. acc_____ion of wealth *n.* an amount of something obtained via natural growth or addition
96. inc_____te technology into daily life *v.* to include something as a part of a larger entity
97. 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.
98. produce of_____ng *n.* descendant; any immature animal or plant
99. syn_____ze information *v.* to combine a substance to make a more complex product or compound
100. chl_____st DNA *n.* a type of membrane-bound organelle that conducts photosynthesis in plant and algal cells.
101. for spe_____lly American customers *adv.* only associated with or meant for one thing
102. toxic ch_____als *adj.* relating to or connected with chemistry;
103. he__t man *n.* a crime in which expensive items are illegally and frequently violently removed from a location or person

ANSWERS: 91. incorporate, 92. inhabit, 93. eukaryotic, 94. membrane, 95. accumulation, 96. incorporate, 97. rely, 98. offspring, 99. synthesize, 100. chloroplast, 101. specifically, 102. chemical, 103. heist

104. co_____e electricity *v.* to spend something, especially fuel, energy, or time, in a large amount
105. a ch_____al compound *adj.* relating to or connected with chemistry;
106. aquatic co_____nd *n.* an item composed of two or more distinct elements combined; a chemical formed by the combination of two or more elements
107. Med_____ean agriculture *n.* the sea encircled by southern Europe, northern Africa, and western Asia
108. river-delta ma___h *n.* a type of land that is always wet and has soft soil; swamp or bog
109. lazy s___g *n.* a common name for any terrestrial gastropod mollusk that appears to lack a shell with soft and black or brown color; a bullet, a shot of alcoholic drink
110. gi___t trees *adj.* enormous; much bigger or more important than similar items usually are
111. or_____le protein *n.* a specialized subunit, usually within a cell, that has a specific function
112. the growth of ra___a *n.* an anatomical structure utilized by mollusks that are frequently compared to a tongue
113. ecology of mi_____ph *n.* an organism that can utilize various energy and carbon sources instead of having a single trophic mode on a continuum ranging from total autotrophy to complete heterotrophy
114. in_____t a cave *v.* to live in a specific location; to reside

ANSWERS: 104. consume, 105. chemical, 106. compound, 107. Mediterranean, 108. marsh, 109. slug, 110. giant, 111. organelle, 112. radula, 113. mixotroph, 114. inhabit

115. coral r__fs *n.* a long chain or range of rocks or sand near the ocean's surface
116. or____c soils *adj.* of or derived from biological substance; producing plants and animals for food and other items without the use of synthetic chemicals
117. shuck a c__m *n.* a marine mollusk that burrows and lives on sand or mud, the shell closes with viselike firmness
118. p__y of beast *n.* the object of a hunt; an animal hunted or trapped for eating
119. as___t his goal *v.* to help someone in doing anything
120. su_____n a good relationship with him *v.* to supply enough of what somebody or something needs to survive or exist; to accept as valid
121. rem_____nt smile *adj.* making you remember someone or something; relating to the recall of personal interests
122. rem_____nt of ancient times *adj.* making you remember someone or something; relating to the recall of personal interests
123. co__l island *n.* a rock-like substance created in the sea by groupings of specific types of small animals, commonly used in jewelry
124. co_____t base 10 to base 16 *v.* to have a talk with someone; (adjective) reversed in order, relation, or action
125. as___t a patient *v.* to help someone in doing anything
126. 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.

ANSWERS: 115. reef, 116. organic, 117. clam, 118. prey, 119. assist, 120. sustain, 121. reminiscent, 122. reminiscent, 123. coral, 124. convert, 125. assist, 126. photosynthesis

127. work as cam_____ge *n.* an outward appearance that conceals the underlying essence of something; the way of concealing troops or military equipment so they cannot be seen against the surrounding environment
128. co_____t fat into energy *v.* to have a talk with someone; (adjective) reversed in order, relation, or action
129. ext_____ary ability *adj.* exceptional, unexpected, very unusual; surpassing the ordinary or usual
130. inc_____le amount *adj.* unbelievable; enormous
131. mic_____ic inquiry *adj.* tiny; exceedingly precise and detail-oriented; of or used in microscopy
132. eat or_____c food *adj.* of or derived from biological substance; producing plants and animals for food and other items without the use of synthetic chemicals
133. chl_____st protein *n.* a type of membrane-bound organelle that conducts photosynthesis in plant and algal cells.
134. fr_____nt use *adj.* happening constantly
135. tr_____al islands *adj.* originating in, located in, or characteristic of the tropics
136. a person of di_____e talents *adj.* including numerous categories of individuals or entities; various
137. Med_____ean climate *n.* the sea encircled by southern Europe, northern Africa, and western Asia
138. price of pr_____us metals *adj.* uncommon and extremely valuable

ANSWERS: 127. camouflage, 128. convert, 129. extraordinary, 130. incredible, 131. microscopic, 132. organic, 133. chloroplast, 134. frequent, 135. tropical, 136. diverse, 137. Mediterranean, 138. precious

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|--------------------------------|-----------|--|
| 139. become p__y to terrorists | <i>n.</i> | the object of a hunt; an animal hunted or trapped for eating |
| 140. acc_____ion effect | <i>n.</i> | an amount of something obtained via natural growth or addition |
| 141. d_m-building program | <i>n.</i> | a wall constructed over a river to block the flow of water, mainly used to generate energy |
| 142. hi___k a phone number | <i>v.</i> | to seize control of an airplane or other vehicle during an operation, especially with violence |
| 143. barrier r__f | <i>n.</i> | a long chain or range of rocks or sand near the ocean's surface |
| 144. tr_____it information | <i>v.</i> | to send or forward an electronic signal; to pass something from one person or thing to another |

ANSWERS: 139. prey, 140. accumulation, 141. dam, 142. hijack, 143. reef, 144. transmit

Session 3: Fill in the Blanks

1. His heartaches are less _____ now.
adj. happening constantly
2. The firm has grown into a large _____ manufacturing.
adj. relating to or connected with chemistry;
3. He narrated the _____ story of his adventure.
adj. exceptional, unexpected, very unusual; surpassing the ordinary or usual
4. _____ substances include rocks and minerals.
adj. being or consisting of nonliving stuff; chemical compounds that contain no or only trace amounts of carbon
5. Her response revealed _____ idiocy.
adj. unbelievable; enormous
6. 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.
7. A smaller car will _____ less fuel.
v. to spend something, especially fuel, energy, or time, in a large amount
8. The _____ digs through the sand to a significant depth.
n. a marine mollusk that burrows and lives on sand or mud, the shell closes with viselike firmness

ANSWERS: 1. frequent, 2. chemical, 3. extraordinary, 4. Inorganic, 5. incredible, 6. rely, 7. consume, 8. clam

9. _____ of fuel discounts is common practice among many retailers.
n. an amount of something obtained via natural growth or addition
10. The _____ scarcity most severely impacted the manufacturing sector
n. a substance that is typically burned to generate heat or energy
11. She struggled to _____ the children's reading habits.
v. to supply enough of what somebody or something needs to survive or exist; to accept as valid
12. Last night, the team delivered a _____ performance.
adj. shining brightly; highly attractive or exciting
13. We cannot afford to squander _____ time.
adj. uncommon and extremely valuable
14. Despite the scandals, his reputation remained _____.
adj. undamaged and complete
15. During _____ farmers are incredibly busy.
n. yields of plants in a single growing season; the period of the year when gathering occurs on a farm
16. New York is a city with a _____ ethnic population.
adj. including numerous categories of individuals or entities; various
17. Several airport security staff were involved in the _____.
n. a crime in which expensive items are illegally and frequently violently removed from a location or person

ANSWERS: 9. Accumulation, 10. fuel, 11. sustain, 12. dazzling, 13. precious, 14. intact, 15. harvest, 16. diverse, 17. heist

18. She is wearing a _____ necklace.

- n.* a rock-like substance created in the sea by groupings of specific types of small animals, commonly used in jewelry

19. Loud noises might harm the fragile ear _____.

- n.* a soft, thin layer that forms animal or vegetable tissue

20. He made a desperate effort to _____ an airliner.

- v.* to seize control of an airplane or other vehicle during an operation, especially with violence

21. Some eubacteria are autotrophs, whereas others are _____.

- n.* an organism that is unable to make its food and must thus obtain sustenance from other sources of organic carbon, primarily plant or animal materials

22. They utilized branches of trees as _____.

- n.* an outward appearance that conceals the underlying essence of something; the way of concealing troops or military equipment so they cannot be seen against the surrounding environment

23. The industrial _____ laws were passed with little to no alteration.

- n.* the way two persons or groups of people feel and act toward one another

24. They need food and _____.

- n.* a structure built to protect from poor weather, danger, or attack:

25. I have no idea what sort of folks _____ the neighborhood.

- v.* to live in a specific location; to reside

ANSWERS: 18. coral, 19. membrane, 20. hijack, 21. heterotrophs, 22. camouflage, 23. relations, 24. shelter, 25. inhabit

26. The company's _____ approach has been highly effective.
n. the action or process of changing to suit different conditions
27. 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
28. Mitochondria exist in every _____ cell.
n. organisms whose cell nuclei are surrounded by a nuclear envelope
29. He evaluated his chances for _____ rather pessimistically.
n. the state of continuing to exist or live, frequently in the face of difficulty or danger
30. _____ are found in plants and many algal groupings.
n. a membrane-bound organelle present in the cells of plants, algae, and certain other eukaryotic species
31. The _____ jets gradually dominate the world's airlines.
adj. enormous; much bigger or more important than similar items usually are
32. The corporation _____ dominated the entire tobacco business.
adv. finally, particularly after a long time or a lot of struggle, complications, and so on
33. They plan to take a _____ cruise.
n. the sea encircled by southern Europe, northern Africa, and western Asia
34. These birds can only _____ in temperate climates.
v. to live or exist despite a dangerous event or period

ANSWERS: 26. adaptation, 27. dam, 28. eukaryotic, 29. survival, 30. Plastids, 31. giant, 32. eventually, 33. Mediterranean, 34. survive

35. The tiny marine _____ has existed for more than 500 million years.
n. a soft material with many microscopic pores that can absorb a large amount of liquid and is used for washing and cleaning
36. A nutritious diet improves _____ functions.
adj. relating to or capable of causing or promoting digestion of food
37. Membranes bind these _____ together.
n. a specialized subunit, usually within a cell, that has a specific function
38. I spotted a giant _____ in the rain garden.
n. a common name for any terrestrial gastropod mollusk that appears to lack a shell with soft and black or brown color; a bullet, a shot of alcoholic drink
39. A _____ scream filled the room.
adj. going through something; appearing to notice things about another person that would typically go unnoticed, especially in a way that causes that individual to feel uncomfortable
40. 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
41. Inspectors noticed _____ cracks in the submarine's hull.
adj. tiny; exceedingly precise and detail-oriented; of or used in microscopy
42. 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.

ANSWERS: 35. sponge, 36. digestive, 37. organelles, 38. slug, 39. piercing, 40. transmit, 41. microscopic, 42. photosynthesis,

43. Pakistan's ____ budget was still being reviewed.
n. things sent to help countries in need, notably food or money; support
44. This food contains all the _____ your dog requires.
n. the substances or the process that organisms take into their bodies as food for their growth and health
45. Most babies can readily _____ a wide variety of foods.
v. to transform food into absorbable substances; break down
46. He is proud of the _____ of the business.
n. the property of being long-lived; significant duration of service
47. _____ storm Marco is making his way along the coast of Florida.
adj. originating in, located in, or characteristic of the tropics
48. Plants are _____ meaning they produce their nutrition.
n. a living thing capable of producing sustenance from essential chemical compounds such as carbon dioxide.
49. Common salt is a sodium and chlorine _____.
n. an item composed of two or more distinct elements combined; a chemical formed by the combination of two or more elements
50. A _____ was being dug alongside the road by workers.
n. a long, deep ditch made in the ground, usually parallel to a plate boundary and marking a subduction zone; a long ditch built in the ground for carrying away water

ANSWERS: 43. aid, 44. nutrition, 45. digest, 46. longevity, 47. Tropical, 48. autotrophs, 49. compound, 50. trench

51. _____ membranes are incredibly vulnerable to damage by oxygen radicals produced as a byproduct of photochemistry.
- n.* a type of membrane-bound organelle that conducts photosynthesis in plant and algal cells.
52. I want to _____ my sadness into strength.
- v.* to have a talk with someone; (adjective) reversed in order, relation, or action
53. Please _____ her with the furniture relocation.
- v.* to help someone in doing anything
54. The kidney is an _____ component of the body.
- adj.* of or derived from biological substance; producing plants and animals for food and other items without the use of synthetic chemicals
55. We have a mutually _____ connection with them.
- adj.* involving two varieties of animal or plant, each of which supplies the conditions for the other to exist
56. The vessel ran aground on a _____.
- n.* a long chain or range of rocks or sand near the ocean's surface
57. Environmentalists are concerned about the harm to the _____.
- n.* a type of land that is always wet and has soft soil; swamp or bog
58. We will attempt to _____ some of your suggestions into our future strategy.
- v.* to include something as a part of a larger entity

ANSWERS: 51. Chloroplast, 52. convert, 53. assist, 54. organic, 55. symbiotic, 56. reef, 57. marsh, 58. incorporate

59. The majority of snakes swallow their _____ whole.
n. the object of a hunt; an animal hunted or trapped for eating
60. Radiation from _____ has a different wavelength.
n. the light emitted by the sun; the rays of the sun
61. His painting style is _____ of Monet's
adj. making you remember someone or something; relating to the recall of personal interests
62. Many gastropods use their _____ to rasp away at algae.
n. an anatomical structure utilized by mollusks that are frequently compared to a tongue
63. A defective _____ is responsible for the disease.
n. the fundamental unit of heredity and the sequence of nucleotides in DNA that codes for the creation of RNA or protein.
64. 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.
65. _____ has jammed the inlet to the water turbine.
n. A simple plant that grows in or near water and lacks typical leaves and roots
66. The majority of cells in the lung are _____ cells.
adj. relating to the layer of cells that covers the majority of the body's surfaces
67. There are various hypotheses concerning the _____ of life.
n. the first existence or beginning of something

ANSWERS: 59. prey, 60. sunlight, 61. reminiscent, 62. radula, 63. gene, 64. adjust, 65. Algae, 66. epithelial, 67. origin

68. We want to _____ ties between our two countries.

v. to make or become better

69. In a different type of _____ amoebae and ciliates solely utilize the plastids of their algal prey for photosynthesis.

n. an organism that can utilize various energy and carbon sources instead of having a single trophic mode on a continuum ranging from total autotrophy to complete heterotrophy

70. This ad campaign is aimed _____ at young women.

adv. only associated with or meant for one thing

71. How many _____ does the average lion have?

n. descendant; any immature animal or plant

72. The spider can _____ multiple different silk proteins.

v. to combine a substance to make a more complex product or compound

ANSWERS: 68. improve, 69. mixotroph, 70. specifically, 71. offspring, 72. synthesize