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Vocabulary Builder Reference from...

Heidi M. Sosik: The discoveries awaiting us in the ocean's twilight zone | TED Talk

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

Advanced Words Only

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Session 1: Word List

otherworldly

adj. supernatural, other than worldly; not of this world

synonym: celestial, ethereal, unearthly

(1) **otherworldly** experience, (2) **otherworldly** creature

The **otherworldly** landscape was filled with strange, glowing plants.

twilight

n. the soft, diffused light from the sky when the sun is below the horizon, either from sunrise to sunrise or sunset to sunset

synonym: dusk, sunset, gloaming

(1) **twilight** sky, (2) **twilight** of an era

The sky was a beautiful pink and orange color at **twilight**.

glimmer

n. a flash of light especially unsteady or reflected light; a slight sign of something

synonym: gleam, dazzle, gleam

(1) without a **glimmer** of truth, (2) give a **glimmer** of light

There is however a **glimmer** of hope.

swirl

v. to move in a circular or spiral pattern

synonym: spin, whirl, turn

(1) **swirl** the wine, (2) **swirl** up dirt and dust

The chef expertly **swirled** the sauce onto the plate.

- bioluminescence** *n.* the production and emission of light by living creatures, such as glowworms, fireflies, etc.
(1) firefly **bioluminescence**, (2) **bioluminescence** of biological sample
Certain squids acquire symbiotic **bioluminescence** by feeding on specific microorganisms.
- teem** *v.* to be abuzz; to move in large numbers; to fall heavily
synonym: brim, swarm, overflow
(1) **teem** with activity, (2) **teem** down
The city **teems** with traffic on holiday.
- microbe** *n.* a tiny living thing that can only be seen with a microscope and that may cause disease
synonym: germ, microorganism, bacterium
(1) pathogenic **microbe**, (2) **microbes** sterilizer
Microbes thrive on the surface of the human skin.
- plankton** *n.* tiny forms of plant and animal life that live in water or air on which other animals feed
(1) **plankton** blooms, (2) **plankton** community
Plankton is generally the foundation of the ocean food chain.
- predator** *n.* an animal whose natural behavior is to prey on others
synonym: vulture, bloodsucker
(1) apex **predator**, (2) sexual **predators**
The native South American animals were in danger because of the **predator's** arrival.
- tuna** *n.* a large fish of the mackerel family, found in warm seas; commonly used for commercial and sport fishing and as a food source for humans and other animals
(1) **tuna** steak, (2) canned **tuna**
I made a **tuna** sandwich for lunch today.
- swordfish** *n.* a large predatory fish with a long, sword-like bill or upper jaw, known for its streamlined body and speed

(1) **swordfish** steak, (2) grilled **swordfish**

The restaurant specializes in serving fresh **swordfish** dishes.

undiscovered

adj. not yet found or known

synonym: unknown, hidden, unexplored

(1) **undiscovered** territory, (2) **undiscovered** potential

The jungle is full of **undiscovered** species waiting to be found.

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.

unexplored

adj. not yet examined, investigated, or studied; lacking in knowledge or information; unknown or undiscovered

synonym: uncharted, undiscovered, untapped

(1) **unexplored** ideas, (2) **unexplored** cave

There are many **unexplored** regions of the ocean that scientists hope to study soon.

oceanography

n. the scientific study of oceans and other bodies of saltwater, including their physical, chemical, and biological characteristics, as well as their interactions with the atmosphere and land

synonym: marine science, oceanology, oceanic research

(1) **oceanography** data, (2) **oceanography** expedition

The **oceanography** research center is dedicated to studying the impacts of climate change on the ocean's ecosystem.

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.

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.

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.

exceedingly

adv. to an extreme degree

synonym: enormously, especially, exceptionally

(1) **exceedingly** common, (2) an **exceedingly** difficult book

Fear is **exceedingly** infectious, and children catch it from their elders.

arctic

adj. of or relating to the region around the North Pole or the Arctic Ocean; very cold

synonym: cold, frozen, polar

(1) **arctic** ice, (2) high **arctic**

Cold temperatures and long, dark winters characterize the **arctic** climate.

lurk

v. to wait somewhere secretly, especially because you are about to attack someone or do something bad or illegal

synonym: hide, creep, stalk

(1) **lurked** behind the words, (2) **lurk** in the darkness

In the city, the risk of traffic accidents **lurks** at every corner.

lantern

n. a portable source of lighting, typically featuring a protective enclosure for the light source

synonym: lamp, beacon, flashlight

(1) candle **lantern**, (2) a **lantern** in the dark

The paper-covered **lantern** glowed softly in the darkness.

bristle

n. a stiff, short hair on a mammal's skin or a natural or artificial brush; a stiff, sharp point on a plant such as a thorn or a prickle; (verb) to react defensively to something; to stand up stiffly and be rigid

synonym : spike, prickle, hair

(1) **bristle** brush, (2) **bristle** with anger

The dog's **bristle** on its back stood up as it growled at the mailman.

vertebrate

adj. relating to animals that have a backbone or spinal column, such as mammals, birds, reptiles, amphibians, and fish

synonym : animal, chordate, backboned

(1) the muscle tissue of a **vertebrate**, (2) **vertebrate** biology

The presence of a backbone is a defining characteristic of **vertebrate** animals.

penetrating

adj. able to pierce or enter deeply into something; having a sharp, intense quality that cuts through superficiality or confusion

synonym : keen, piercing, sharp

(1) **penetrating** gaze, (2) **penetrating** analysis

The **penetrating** smell of freshly brewed coffee filled the room.

inhabitant

n. a person or an animal that lives in a particular place

synonym : dweller, occupant, resident

(1) the early **inhabitants** of Europe, (2) **inhabitant** tax

His family is the oldest **inhabitant** of the island.

krill

n. a small, shrimp-like crustacean that is a major food source for many marine animals

synonym : shrimp, plankton, zooplankton

(1) eat **krill**, (2) Antarctic **krill**

The decline in **krill** populations in recent years has raised

concerns about the health of marine ecosystems.

aquaculture

n. the cultivation of aquatic organisms such as fish, seaweed, and shellfish for human consumption, as well as for environmental conservation and research purposes

synonym: fish farming, mariculture, hydroponics

(1) **aquaculture** industry, (2) sustainable **aquaculture**

Fish farming is a form of **aquaculture** that has recently gained popularity.

nutraceutical

n. a food or food product that provides health benefits beyond basic nutrition, often containing additives or ingredients with medicinal properties

synonym: dietary supplement, health supplement

(1) **nutraceutical** industry, (2) **nutraceutical** supplement

The doctor recommended incorporating **nutraceuticals** into my daily routine to improve my immune system.

industrious

adj. hardworking, diligent, and persistent in effort

synonym: diligent, hardworking, assiduous

(1) **industrious** worker, (2) **industrious** student

He was known to be very **industrious** and would often work late into the night.

brink

n. the point at which something is about to happen; the edge of a steep place

synonym: edge, verge, threshold

(1) **brink** of war, (2) on the **brink**

We were on the **brink** of a financial crisis.

irreversible

adj. impossible to change or return to a previous condition

synonym: irrevocable, unrecoverable, permanent

(1) avoid **irreversible** damage, (2) an **irreversible** change

The development of agricultural technology has had an **irreversible** impact on humanity.

institutionalize

v. to establish or make something a part of an institution (= a place such as a university, hospital, etc.)

synonym: formalize, establish, regularize

(1) **institutionalize** a system, (2) **institutionalize** customary laws

The new policy aims to **institutionalize** the use of renewable energy sources.

gelatinous

adj. having the texture of jelly; having a translucent, jelly-like consistency

synonym: jelly-like, viscous, slippery

(1) **gelatinous** texture, (2) **gelatinous** substance

The jellyfish's body was transparent and **gelatinous**, making it difficult to see in the water.

slurp

v. to eat, drink, or consume with a loud or messy sucking noise; to make a loud or messy sucking noise while eating, drinking, or consuming

synonym: sip, gulp, drink noisily

(1) **slurp** tea, (2) **slurp** noodles

The child couldn't resist **slurping** her soup loudly at the dinner table.

pellet

n. a small, round piece of compressed material, such as wood or plastic

synonym: bead, ball, bullet

(1) the form of a small **pellet**, (2) **pellet** stove

The **pellet** gun was used to shoot small metal balls.

swarm

n. a group of many things, such as insects, fishes, etc., in the air or water or on the ground

synonym: horde, hive, throng

(1) a **swarm** of mosquitoes, (2) locust **swarm**

A **swarm** of angry bees attacked because we had approached the hive.

sampler

n. a piece of fabric or other material that has a variety of different stitches or designs worked into it, used as a reference or example of different embroidery techniques; a selection or collection of different samples or examples of something, such as music, food, or products

(1) **sampler** album, (2) electronic **sampler**

The artist made a **sampler** of different paint textures and colors to help her decide what to use for her next project.

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.

overfishing

n. the removal of too many fish from a body of water, causing a decline in population levels and harm to the ecosystem

synonym: overharvesting, over-exploitation, depletion

(1) **overfishing** crisis, (2) **overfishing** ban

The ocean's ecosystem is being threatened by **overfishing**, causing many species to become endangered.

inexhaustible

adj. incapable of being used up or worn out; boundless or limitless in quantity, energy, or endurance

synonym: infinite, exhaustless, limitless

(1) **inexhaustible** optimism, (2) **inexhaustible** curiosity

Solar power is an example of an **inexhaustible** source of energy.

steward

n. a person responsible for the management and care of another's property or for the supervision of the domestic staff of a large household or organization; a person in charge of arranging for the supply of food to a college, club, etc.

synonym: caretaker, manager, custodian

(1) **steward** duties, (2) **steward** service

The **steward** on the flight was very helpful in assisting passengers with their needs.

Session 2: Spelling

1. ine _____ ble optimism *adj.* incapable of being used up or worn out; boundless or limitless in quantity, energy, or endurance
2. oce _____ phy data *n.* the scientific study of oceans and other bodies of saltwater, including their physical, chemical, and biological characteristics, as well as their interactions with the atmosphere and land
3. Antarctic kr ____ l *n.* a small, shrimp-like crustacean that is a major food source for many marine animals
4. sa _____ r album *n.* a piece of fabric or other material that has a variety of different stitches or designs worked into it, used as a reference or example of different embroidery techniques; a selection or collection of different samples or examples of something, such as music, food, or products
5. sw ____ l the wine *v.* to move in a circular or spiral pattern
6. br _____ e brush *n.* a stiff, short hair on a mammal's skin or a natural or artificial brush; a stiff, sharp point on a plant such as a thorn or a prickle; (verb) to react defensively to something; to stand up stiffly and be rigid

ANSWERS: 1. inexhaustible, 2. oceanography, 3. krill, 4. sampler, 5. swirl, 6. bristle

7. pathogenic mi_____e *n.* a tiny living thing that can only be seen with a microscope and that may cause disease
8. mi_____es sterilizer *n.* a tiny living thing that can only be seen with a microscope and that may cause disease
9. op_____ne occasion *adj.* suitable or happening at a time that is suitable or convenient for a particular purpose
10. mic_____ic analysis *adj.* tiny; exceedingly precise and detail-oriented; of or used in microscopy
11. sustainable aqu_____re *n.* the cultivation of aquatic organisms such as fish, seaweed, and shellfish for human consumption, as well as for environmental conservation and research purposes
12. sw_____sh steak *n.* a large predatory fish with a long, sword-like bill or upper jaw, known for its streamlined body and speed
13. pl_____on community *n.* tiny forms of plant and animal life that live in water or air on which other animals feed
14. pen_____ng analysis *adj.* able to pierce or enter deeply into something; having a sharp, intense quality that cuts through superficiality or confusion
15. ver_____te biology *adj.* relating to animals that have a backbone or spinal column, such as mammals, birds, reptiles, amphibians, and fish

ANSWERS: 7. microbe, 8. microbe, 9. opportune, 10. microscopic, 11. aquaculture, 12. swordfish, 13. plankton, 14. penetrating, 15. vertebrate

16. int_____ne story *v.* to twist together or become twisted together
17. eat kr__l *n.* a small, shrimp-like crustacean that is a major food source for many marine animals
18. oth_____dly experience *adj.* supernatural, other than worldly; not of this world
19. pe___t stove *n.* a small, round piece of compressed material, such as wood or plastic
20. al__e biofuel *n.* A simple plant that grows in or near water and lacks typical leaves and roots
21. an irr_____ble change *adj.* impossible to change or return to a previous condition
22. gel_____us substance *adj.* having the texture of jelly; having a translucent, jelly-like consistency
23. inh_____nt tax *n.* a person or an animal that lives in a particular place
24. apex pr_____or *n.* an animal whose natural behavior is to prey on others
25. a sw__m of mosquitoes *n.* a group of many things, such as insects, fishes, etc., in the air or water or on the ground
26. locust sw__m *n.* a group of many things, such as insects, fishes, etc., in the air or water or on the ground
27. oth_____dly creature *adj.* supernatural, other than worldly; not of this world
28. nut_____cal supplement *n.* a food or food product that provides health benefits beyond basic nutrition, often containing additives or ingredients with medicinal properties

ANSWERS: 16. intertwine, 17. krill, 18. otherworldly, 19. pellet, 20. algae, 21. irreversible, 22. gelatinous, 23. inhabitant, 24. predator, 25. swarm, 26. swarm, 27. otherworldly, 28. nutraceutical

29. sexual pr_____ors *n.* an animal whose natural behavior is to prey on others
30. st_____d service *n.* a person responsible for the management and care of another's property or for the supervision of the domestic staff of a large household or organization; a person in charge of arranging for the supply of food to a college, club, etc.
31. oce_____phy expedition *n.* the scientific study of oceans and other bodies of saltwater, including their physical, chemical, and biological characteristics, as well as their interactions with the atmosphere and land
32. candle la_____n *n.* a portable source of lighting, typically featuring a protective enclosure for the light source
33. tw_____ht of an era *n.* the soft, diffused light from the sky when the sun is below the horizon, either from sunrise to sunrise or sunset to sunset
34. 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.
35. ove_____ng crisis *n.* the removal of too many fish from a body of water, causing a decline in population levels and harm to the ecosystem

ANSWERS: 29. predator, 30. steward, 31. oceanography, 32. lantern, 33. twilight, 34. photosynthesis, 35. overfishing

36. ar___c ice *adj.* of or relating to the region around the North Pole or the Arctic Ocean; very cold
37. ins_____ize customary laws *v.* to establish or make something a part of an institution (= a place such as a university, hospital, etc.)
38. ind_____us worker *adj.* hardworking, diligent, and persistent in effort
39. the early inh_____nts of Europe *n.* a person or an animal that lives in a particular place
40. t__a steak *n.* a large fish of the mackerel family, found in warm seas; commonly used for commercial and sport fishing and as a food source for humans and other animals
41. high ar___c *adj.* of or relating to the region around the North Pole or the Arctic Ocean; very cold
42. firefly bio_____nce *n.* the production and emission of light by living creatures, such as glowworms, fireflies, etc.
43. 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.
44. sw__l up dirt and dust *v.* to move in a circular or spiral pattern
45. und_____red potential *adj.* not yet found or known

ANSWERS: 36. arctic, 37. institutionalize, 38. industrious, 39. inhabitant, 40. tuna, 41. arctic, 42. bioluminescence, 43. photosynthesis, 44. swirl, 45. undiscovered

46. int_____ne thread *v.* to twist together or become twisted together
47. sl__p tea *v.* to eat, drink, or consume with a loud or messy sucking noise; to make a loud or messy sucking noise while eating, drinking, or consuming
48. aqu_____re industry *n.* the cultivation of aquatic organisms such as fish, seaweed, and shellfish for human consumption, as well as for environmental conservation and research purposes
49. gel_____us texture *adj.* having the texture of jelly; having a translucent, jelly-like consistency
50. electronic sa_____r *n.* a piece of fabric or other material that has a variety of different stitches or designs worked into it, used as a reference or example of different embroidery techniques; a selection or collection of different samples or examples of something, such as music, food, or products
51. t__m down *v.* to be abuzz; to move in large numbers; to fall heavily
52. une_____ed ideas *adj.* not yet examined, investigated, or studied; lacking in knowledge or information; unknown or undiscovered
53. sl__p noodles *v.* to eat, drink, or consume with a loud or messy sucking noise; to make a loud or messy sucking noise while eating, drinking, or consuming

ANSWERS: 46. intertwine, 47. slurp, 48. aquaculture, 49. gelatinous, 50. sampler, 51. teem, 52. unexplored, 53. slurp

54. st____d duties *n.* a person responsible for the management and care of another's property or for the supervision of the domestic staff of a large household or organization; a person in charge of arranging for the supply of food to a college, club, etc.
55. ove_____ng ban *n.* the removal of too many fish from a body of water, causing a decline in population levels and harm to the ecosystem
56. l__k in the darkness *v.* to wait somewhere secretly, especially because you are about to attack someone or do something bad or illegal
57. a la_____n in the dark *n.* a portable source of lighting, typically featuring a protective enclosure for the light source
58. mic_____ic inquiry *adj.* tiny; exceedingly precise and detail-oriented; of or used in microscopy
59. pen_____ng gaze *adj.* able to pierce or enter deeply into something; having a sharp, intense quality that cuts through superficiality or confusion
60. t__m with activity *v.* to be abuzz; to move in large numbers; to fall heavily
61. exc_____ly common *adv.* to an extreme degree
62. ind_____us student *adj.* hardworking, diligent, and persistent in effort
63. an op_____ne remark *adj.* suitable or happening at a time that is suitable or convenient for a particular purpose

ANSWERS: 54. steward, 55. overfishing, 56. lurk, 57. lantern, 58. microscopic, 59. penetrating, 60. teem, 61. exceedingly, 62. industrious, 63. opportune

64. br__k of war *n.* the point at which something is about to happen; the edge of a steep place
65. une_____ed cave *adj.* not yet examined, investigated, or studied; lacking in knowledge or information; unknown or undiscovered
66. tw_____ht sky *n.* the soft, diffused light from the sky when the sun is below the horizon, either from sunrise to sunrise or sunset to sunset
67. without a gl_____r of truth *n.* a flash of light especially unsteady or reflected light; a slight sign of something
68. nut_____cal industry *n.* a food or food product that provides health benefits beyond basic nutrition, often containing additives or ingredients with medicinal properties
69. blue al__e *n.* A simple plant that grows in or near water and lacks typical leaves and roots
70. on the br__k *n.* the point at which something is about to happen; the edge of a steep place
71. ine_____ble curiosity *adj.* incapable of being used up or worn out; boundless or limitless in quantity, energy, or endurance
72. avoid irr_____ble damage *adj.* impossible to change or return to a previous condition
73. the form of a small pe____t *n.* a small, round piece of compressed material, such as wood or plastic
74. the muscle tissue of a ver_____te *adj.* relating to animals that have a backbone or spinal column, such as mammals, birds, reptiles, amphibians, and fish

ANSWERS: 64. brink, 65. unexplored, 66. twilight, 67. glimmer, 68. nutraceutical, 69. algae, 70. brink, 71. inexhaustible, 72. irreversible, 73. pellet, 74. vertebrate

75. give a gl_____r of light *n.* a flash of light especially unsteady or reflected light; a slight sign of something
76. bio_____nce of biological sample *n.* the production and emission of light by living creatures, such as glowworms, fireflies, etc.
77. an exc_____ly difficult book *adv.* to an extreme degree
78. canned t__a *n.* a large fish of the mackerel family, found in warm seas; commonly used for commercial and sport fishing and as a food source for humans and other animals
79. und_____red territory *adj.* not yet found or known
80. grilled sw_____sh *n.* a large predatory fish with a long, sword-like bill or upper jaw, known for its streamlined body and speed
81. br_____e with anger *n.* a stiff, short hair on a mammal's skin or a natural or artificial brush; a stiff, sharp point on a plant such as a thorn or a prickle; (verb) to react defensively to something; to stand up stiffly and be rigid
82. ins_____ize a system *v.* to establish or make something a part of an institution (= a place such as a university, hospital, etc.)
83. pl_____on blooms *n.* tiny forms of plant and animal life that live in water or air on which other animals feed
84. l__ked behind the words *v.* to wait somewhere secretly, especially because you are about to attack someone or do something bad or illegal

ANSWERS: 75. glimmer, 76. bioluminescence, 77. exceedingly, 78. tuna, 79. undiscovered, 80. swordfish, 81. bristle, 82. institutionalize, 83. plankton, 84. lurk

ANSWERS:

Session 3: Fill in the Blanks

1. Inspectors noticed _____ cracks in the submarine's hull.
adj. tiny; exceedingly precise and detail-oriented; of or used in microscopy
2. There are many _____ regions of the ocean that scientists hope to study soon.
adj. not yet examined, investigated, or studied; lacking in knowledge or information; unknown or undiscovered
3. The ocean's ecosystem is being threatened by _____ causing many species to become endangered.
n. the removal of too many fish from a body of water, causing a decline in population levels and harm to the ecosystem
4. The sky was a beautiful pink and orange color at _____.
n. the soft, diffused light from the sky when the sun is below the horizon, either from sunrise to sunrise or sunset to sunset
5. The jellyfish's body was transparent and _____ making it difficult to see in the water.
adj. having the texture of jelly; having a translucent, jelly-like consistency
6. The presence of a backbone is a defining characteristic of _____ animals.
adj. relating to animals that have a backbone or spinal column, such as mammals, birds, reptiles, amphibians, and fish
7. Cold temperatures and long, dark winters characterize the _____ climate.
adj. of or relating to the region around the North Pole or the Arctic Ocean; very cold

ANSWERS: 1. microscopic, 2. unexplored, 3. overfishing, 4. twilight, 5. gelatinous, 6. vertebrate, 7. arctic

8. We were on the _____ of a financial crisis.
- n.* the point at which something is about to happen; the edge of a steep place
9. The _____ on the flight was very helpful in assisting passengers with their needs.
- n.* a person responsible for the management and care of another's property or for the supervision of the domestic staff of a large household or organization; a person in charge of arranging for the supply of food to a college, club, etc.
10. _____ has jammed the inlet to the water turbine.
- n.* A simple plant that grows in or near water and lacks typical leaves and roots
11. The _____ smell of freshly brewed coffee filled the room.
- adj.* able to pierce or enter deeply into something; having a sharp, intense quality that cuts through superficiality or confusion
12. The doctor recommended incorporating _____ into my daily routine to improve my immune system.
- n.* a food or food product that provides health benefits beyond basic nutrition, often containing additives or ingredients with medicinal properties
13. The _____ landscape was filled with strange, glowing plants.
- adj.* supernatural, other than worldly; not of this world
14. In the city, the risk of traffic accidents _____ at every corner.
- v.* to wait somewhere secretly, especially because you are about to attack someone or do something bad or illegal
15. Solar power is an example of an _____ source of energy.
- adj.* incapable of being used up or worn out; boundless or limitless in quantity, energy, or endurance

ANSWERS: 8. brink, 9. steward, 10. Algae, 11. penetrating, 12. nutraceuticals, 13. otherworldly, 14. lurks, 15. inexhaustible

16. The child couldn't resist _____ her soup loudly at the dinner table.
- v.* to eat, drink, or consume with a loud or messy sucking noise; to make a loud or messy sucking noise while eating, drinking, or consuming
17. Fish farming is a form of _____ that has recently gained popularity.
- n.* the cultivation of aquatic organisms such as fish, seaweed, and shellfish for human consumption, as well as for environmental conservation and research purposes
18. The city _____ with traffic on holiday.
- v.* to be abuzz; to move in large numbers; to fall heavily
19. The _____ research center is dedicated to studying the impacts of climate change on the ocean's ecosystem.
- n.* the scientific study of oceans and other bodies of saltwater, including their physical, chemical, and biological characteristics, as well as their interactions with the atmosphere and land
20. The development of agricultural technology has had an _____ impact on humanity.
- adj.* impossible to change or return to a previous condition
21. _____ thrive on the surface of the human skin.
- n.* a tiny living thing that can only be seen with a microscope and that may cause disease
22. The jungle is full of _____ species waiting to be found.
- adj.* not yet found or known
23. The vines _____ to form a thick canopy overhead.
- v.* to twist together or become twisted together

ANSWERS: 16. slurping, 17. aquaculture, 18. teems, 19. oceanography, 20. irreversible, 21. Microbes, 22. undiscovered, 23. intertwine

24. The decline in _____ populations in recent years has raised concerns about the health of marine ecosystems.
- n.* a small, shrimp-like crustacean that is a major food source for many marine animals
25. The artist made a _____ of different paint textures and colors to help her decide what to use for her next project.
- n.* a piece of fabric or other material that has a variety of different stitches or designs worked into it, used as a reference or example of different embroidery techniques; a selection or collection of different samples or examples of something, such as music, food, or products
26. There is however a _____ of hope.
- n.* a flash of light especially unsteady or reflected light; a slight sign of something
27. 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.
28. The phone rang at the most _____ time.
- adj.* suitable or happening at a time that is suitable or convenient for a particular purpose
29. I made a _____ sandwich for lunch today.
- n.* a large fish of the mackerel family, found in warm seas; commonly used for commercial and sport fishing and as a food source for humans and other animals
30. The chef expertly _____ the sauce onto the plate.
- v.* to move in a circular or spiral pattern

ANSWERS: 24. krill, 25. sampler, 26. glimmer, 27. photosynthesis, 28. opportune, 29. tuna, 30. swirled

31. He was known to be very _____ and would often work late into the night.
adj. hardworking, diligent, and persistent in effort
32. Fear is _____ infectious, and children catch it from their elders.
adv. to an extreme degree
33. His family is the oldest _____ of the island.
n. a person or an animal that lives in a particular place
34. The _____ gun was used to shoot small metal balls.
n. a small, round piece of compressed material, such as wood or plastic
35. The dog's _____ on its back stood up as it growled at the mailman.
n. a stiff, short hair on a mammal's skin or a natural or artificial brush; a stiff, sharp point on a plant such as a thorn or a prickle; (verb) to react defensively to something; to stand up stiffly and be rigid
36. Certain squids acquire symbiotic _____ by feeding on specific microorganisms.
n. the production and emission of light by living creatures, such as glowworms, fireflies, etc.
37. A _____ of angry bees attacked because we had approached the hive.
n. a group of many things, such as insects, fishes, etc., in the air or water or on the ground
38. The restaurant specializes in serving fresh _____ dishes.
n. a large predatory fish with a long, sword-like bill or upper jaw, known for its streamlined body and speed

ANSWERS: 31. industrious, 32. exceedingly, 33. inhabitant, 34. pellet, 35. bristle, 36. bioluminescence, 37. swarm, 38. swordfish

39. The native South American animals were in danger because of the _____ arrival.
- n.* an animal whose natural behavior is to prey on others
40. _____ is generally the foundation of the ocean food chain.
- n.* tiny forms of plant and animal life that live in water or air on which other animals feed
41. The new policy aims to _____ the use of renewable energy sources.
- v.* to establish or make something a part of an institution (= a place such as a university, hospital, etc.)
42. The paper-covered _____ glowed softly in the darkness.
- n.* a portable source of lighting, typically featuring a protective enclosure for the light source

ANSWERS: 39. predator's, 40. Plankton, 41. institutionalize, 42. lantern