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Vocabulary Builder Reference from...

Edith Widder: The weird, wonderful world of bioluminescence | TED Talk

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

Advanced Words Only

IMPORTANT

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Session 1: Word List

- 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.
- submersible** *adj.* able to be operated or used underwater; capable of being submerged in water or other liquid
synonym: submarine, underwater, submerged
(1) **submersible** pump, (2) **submersible** cable
The **submersible** vehicle can explore the depths of the ocean.
- firework** *n.* a device that produces a colorful display of light and sound when it is ignited
synonym: pyrotechnic, sparkler, firecracker
(1) **firework** discharge, (2) grand **firework** display
The children were excited to see the **firework** show.
- rover** *n.* a vehicle designed to travel over rough terrain, especially on the surface of a planet or moon
synonym: vehicle, robot, explorer

(1) **rover** mission, (2) lunar **rover**

The **rover** on Mars is gathering data on the planet's surface and sending it back to Earth.

stimming

n. a behavior often exhibited by individuals on the autism spectrum characterized by repetitive bodily movements or sounds, such as hand flapping or rocking, often used as a form of self-regulation or sensory stimulation

synonym: self-stimulation, repetitive behaviors

(1) autistic **stimming**, (2) **stimming** therapy

Autistic children may engage in **stimming** behaviors, such as rocking or hand flapping, to self-regulate.

transect

v. to cut or divide something by means of a transverse line, typically for surveying or scientific study

synonym: intersect, divide, bisect

(1) **transect** a forest, (2) **transect** the area

The new highway will **transect** the wilderness, potentially disrupting local wildlife.

narrator

n. a person who tells a story, especially in a book or film

synonym: teller, storyteller

(1) first-person **narrator**, (2) the **narrator** of the TV program

The **narrator** makes use of the local dialect.

collide

v. to hit something violently when moving

synonym: clash, slam, contradict

(1) **collide** head-on, (2) **collide** in midair

The interests of the two countries **collide**.

intensify

v. to increase or make something increase in extent or strength

synonym: amplify, boost, strengthen

(1) **intensify** diplomatic efforts, (2) **intensify** a good relationship

Rebels have pledged to **intensify** the armed struggle against

the dictatorship.

luminescent

adj. emitting light or glowing softly, often without heat; having the ability to produce or emit light, especially through chemical reactions or by absorbing and then releasing energy

synonym : glowing, radiant, shining

(1) soft **luminescent** glow, (2) mesmerizing **luminescent** effect

The **luminescent** stars illuminated the night sky.

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.

foolhardy

adj. recklessly bold or daring, often without considering the potential risks or consequences.; characterized by a lack of caution, prudence, or sensible judgment

synonym : reckless, imprudent, rash

(1) **foolhardy** decision, (2) **foolhardy** behavior

It was **foolhardy** of him to attempt the dangerous stunt without any safety equipment.

flask

n. a container with a narrow neck and wide, flat body used for holding and carrying liquids

synonym : bottle, container, vial

(1) lab **flask**, (2) vacuum **flask**

The chemist poured the solution from the beaker into the **flask**.

flagellate

v. to whip, scourge, or flog someone or oneself (as in religious penitence practices); to swim using a whip-like tail, as some aquatic animals do; (noun) a type of organism that has one or more whip-like appendages

synonym : whip, lash, flog

(1) **flagellate** bacteria, (2) **flagellate** their sore muscles

Some single-celled organisms can **flagellate** themselves through the water.

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.

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.

burglar

n. a person who unlawfully enters a building or other property to steal or commit another crime

synonym: thief, robber, intruder

(1) ex-convict **burglar**, (2) caught the **burglar**

The skilled **burglar** bypassed the alarm system and entered the house without making a sound.

intruder

n. someone who enters a place or situation without permission or invitation; someone who interrupts or interferes in something

synonym: trespasser, intruder, interloper

(1) illegal **intruder**, (2) infrared **intruder** system

The homeowner called the police when they spotted an **intruder** in their backyard.

dragonfish

n. a type of deep-sea fish with a long, slender body, large teeth, and a bioluminescent barbel on the chin; often found in the abyssal zone and can survive in extreme environments

(1) **dragonfish** species, (2) abyssal **dragonfish**

There are several different species of **dragonfish**, each with unique adaptations and behaviors.

barbel

n. a slender, whisker-like sensory organ or filament that hangs from the mouth of certain fish, such as the catfish, used for locating food

synonym : whisker, feeler, antenna

(1) **barbel** rod, (2) **barbel** sensors

The **barbel's** habitat typically includes clean, fast-flowing waters where they can find insects and small crustaceans to feed on.

phenomenal

adj. extremely good or impressive; outstanding

synonym : extraordinary, remarkable, impressive

(1) **phenomenal** success, (2) **phenomenal** growth

The athlete's **phenomenal** performance broke all previous records.

luminescence

n. the emission of light occurs as a result of a substance or object being stimulated by energy sources such as heat, electricity, or radiation but without the substance or object becoming significantly hotter or undergoing combustion

synonym : glow, radiance, illumination

(1) red **luminescence**, (2) **luminescence** phenomenon

The **luminescence** of the fireflies in the dark forest was a magical sight.

octopus

n. a sea creature with a soft round body and eight long tentacles (= long parts like arms)

synonym : devilfish

(1) giant **octopus**, (2) venomous **octopus**

He experienced nausea after eating live **octopus**.

distract

v. to draw someone's attention away from what they are trying to do

synonym : divert, preoccupy, confuse

(1) **distract** attention from the real issue, (2) **distract** public opinion

Please don't **distract** me while I'm studying.

morsel

n. a small piece or fragment, particularly of food; a small, tasty, or pleasing bit of something

synonym: bit, bite, fragment

(1) mouth-watering **morsel**, (2) tiny **morsel**

I only had a small **morsel** of cake while trying to watch my weight.

barrage

n. a concentrated and continuous outpouring or overwhelming amount of something, such as bombs, questions, criticisms, or comments; a defensive barrier of artillery fire or gunfire

synonym: onslaught, bombardment, hail

(1) **barrage** of questions, (2) artillery **barrage**

She used a **barrage** of facts and figures to make her argument.

torpedo

n. a weapon that is designed to be launched from a ship, submarine, or aircraft and that is propelled through the water by a motor

synonym: missile, explosive, underwater bomb

(1) **torpedo** attack, (2) air-dropped **torpedo**

The submarine launched a **torpedo** at the enemy ship.

gob

n. a lump or chunk of a substance; a large amount of something, especially in the sense of an excess or surplus; a colloquial term for mouth

synonym: globe, lump, dollop

(1) **gob** of mud, (2) sticky **gob**

After taking a **gob** of food, he politely wiped his mouth with a napkin.

glowing

adj. highly enthusiastic; greatly praised

synonym: burning, bright, flaming

(1) **glowing** reviews, (2) **glowing** cheeks

The western sky was **glowing** pink.

trawl

- v.* to fish by dragging a net, often along the bottom of the ocean or river; to search or examine something thoroughly, often looking for a specific item or information

synonym: fish, dredge, drag

- (1) **trawl** the Internet for free music, (2) **trawl** for fish

The fisherman used a net to **trawl** the bottom of the river for his catch.

twinkle

- v.* to shine with a flickering or sparkling light; (noun) the act of shining in a bright and cheerful way

synonym: sparkle, shine, glitter

- (1) **twinkle** like a star, (2) the **twinkle** of the stars

His eyes **twinkled** with mischief.

anemone

- n.* a type of flowering plant that has bright, showy flowers and typically blooms in the spring; a marine creature that resembles flowers but has oral rings of tentacles

synonym: flower, blossom

- (1) **anemone** flower, (2) European **anemone**

The beautiful **anemones** swayed gently in the ocean current.

poke

- v.* to push or prod with a sharp object or the finger

synonym: prod, jab, push

- (1) **poke** around the desk, (2) **poke** a fire

They **poked** fun at each other's jokes, laughing and teasing.

tentacle

- n.* a flexible, mobile, and long arm-like organ used for feeling and holding things, catching food, or moving

- (1) a squid's **tentacle**, (2) posterior **tentacle**

The police caught the fugitive criminal in the **tentacles** of an expanded investigation.

starfish

- n.* marine invertebrate that belongs to the phylum Echinodermata, characterized by a five-armed body shape that resembles a star, typically found on or near the seafloor

synonym: sea star, echinoderm, asteroid

(1) **starfish** arm, (2) **starfish** habitat

The **starfish's** unique shape helps it to escape from predators quickly.

brittle

adj. easily broken, cracked, or shattered when subjected to pressure or stress; lacking flexibility or resilience; fragile

synonym: fragile, breakable, delicate

(1) **brittle** bones, (2) **brittle** material

The old books in the library were so **brittle** that they crumbled upon touch.

plume

n. a large feather or group of feathers worn as an ornament or a symbol of achievement or distinction, especially on a hat

synonym: feather, honor, token

(1) **plume** of smoke, (2) **plume** of feathers

The bird had a beautiful **plume** on its head.

hitch

v. to move something into a different position jerkily; to travel by getting free rides from motorists; to hook or entangle

synonym: fasten, jerk, tether

(1) **hitch** a ride, (2) **hitch** up my trousers

The mechanics **hitched** the trailer to the broken-down car.

saber

n. a type of sword with a curved blade, typically used in cavalry or fencing

synonym: sword, cutlass, blade

(1) **saber** fencing, (2) ceremonial **saber**

The military commander drew his **saber** and shouted orders to the troops.

imitate

v. to copy the speech, behavior, appearance, etc. of someone or something

synonym: mimic, emulate, replicate

(1) **imitate** painting styles, (2) **imitate** animal sounds

He **imitated** the modus operandi of the famous phantom thief.

lure *v.* to tempt or persuade someone to do something
synonym: tempt, entice, attract
(1) **lure** prey, (2) **lure** foreign investment
The salesperson used a special offer to **lure** customers into buying the product.

jellyfish *n.* a marine creature with a soft, jelly-like body and tentacles for stinging
synonym: medusa, sea nettle, moon jelly
(1) spineless **jellyfish**, (2) **jellyfish** sting
The beach was filled with hundreds of **jellyfish**, so swimming was not recommended.

unobtrusive *adj.* not conspicuous or noticeable, especially in a way that is intended to avoid attracting attention or causing disruption; not interfering or obstructing
synonym: inconspicuous, unnoticed, subtle
(1) **unobtrusive** design, (2) **unobtrusive** presence
The security cameras were designed to be **unobtrusive** and blend in with their surroundings.

elicit *v.* to obtain information or a reaction from someone, usually with difficulty
synonym: bring out, obtain, evoke
(1) **elicit** a confession, (2) **elicit** a solution
Have you **elicited** a response from them yet?

cockroach *n.* a flat, brown or black, chiefly nocturnal insects sometimes found in the home
synonym: roach
(1) **cockroach** killer, (2) have a **cockroach** phobia
Cockroaches sometimes cause allergic reactions in humans.

isopod

n. a type of crustacean characterized by its dorsoventrally flattened body and seven pairs of legs, including common examples like woodlice and pill bugs

(1) marine **isopod**, (2) freshwater **isopod**

The **isopod** family contains a range of species, some of which are well-adapted to life on land.

canyon

n. a large deep valley with very steep sides of rock and usually formed by a river

synonym: gorge, valley, ravine

(1) twisty **canyon** road, (2) **canyon** of skyscrapers

The Grand **Canyon** has an awe-inspiring sight.

carrion

n. the decaying flesh of dead animals, often used to refer to the carcasses that serve as food for scavenging animals

synonym: carcass, remains

(1) rotting **carrion**, (2) scavenging **carrion** birds

The vultures were circling above, searching for **carrion** to feast on.

scavenger

n. an animal or bird that feeds on carrion, dead animals, or other scavenged material; a person who searches for and collects discarded or unwanted items, often to sell or reuse them

synonym: vulture, hyena, magpie

(1) **scavenger** bird, (2) marine **scavenger**

Crows are common **scavengers** in urban areas and will eat almost anything.

gill

n. a respiratory organ of fish and some other aquatic animals that extracts dissolved oxygen from water and excretes carbon dioxide

synonym: respiratory organ, lung

(1) **gill** slits, (2) **gill** apparatus

The fish's **gills** are necessary for extracting oxygen from the water.

pinwheel

n. a toy consisting of curved and colored paper or plastic that is pinned to a stick and spins when you blow on it; a circular firework that spins round and round, emitting colorful fire

(1) a toy **pinwheel**, (2) **pinwheel** windmill

He spun the **pinwheel**, and it stopped with the pointer on five.

contemplate

v. to think about a possible future action or to think about something for a long time thoughtfully

synonym: think over, ponder, consider

(1) **contemplate** a marriage, (2) **contemplated** leaving school

I recently **contemplated** dropping out of school and getting a full-time job.

plunge

v. to dive quickly and steeply downward; to thrust or throw into something; (noun) a steep and rapid fall

synonym: dive, drop, thrust

(1) **plunge** into the water, (2) **plunge** a dagger through his heart

The company's profits **plunged** after the recall of their new product.

wondrous

adj. inspiring amazement or admiration; extremely beautiful and impressive

synonym: amazing, fantastic, miraculous

(1) **wondrous** sight, (2) **wondrous** adventure

The **wondrous** beauty of the sunset left us all in awe.

Session 2: Spelling

- | | |
|--------------------------------------|---|
| 1. twisty ca___n road | <i>n.</i> a large deep valley with very steep sides of rock and usually formed by a river |
| 2. tr__l the Internet for free music | <i>v.</i> to fish by dragging a net, often along the bottom of the ocean or river; to search or examine something thoroughly, often looking for a specific item or information |
| 3. st_____sh arm | <i>n.</i> marine invertebrate that belongs to the phylum Echinodermata, characterized by a five-armed body shape that resembles a star, typically found on or near the seafloor |
| 4. artillery ba_____e | <i>n.</i> a concentrated and continuous outpouring or overwhelming amount of something, such as bombs, questions, criticisms, or comments; a defensive barrier of artillery fire or gunfire |
| 5. posterior te_____le | <i>n.</i> a flexible, mobile, and long arm-like organ used for feeling and holding things, catching food, or moving |
| 6. fi_____rk discharge | <i>n.</i> a device that produces a colorful display of light and sound when it is ignited |
| 7. ro__r mission | <i>n.</i> a vehicle designed to travel over rough terrain, especially on the surface of a planet or moon |
| 8. spineless je_____sh | <i>n.</i> a marine creature with a soft, jelly-like body and tentacles for stinging |

ANSWERS: 1. canyon, 2. trawl, 3. starfish, 4. barrage, 5. tentacle, 6. firework, 7. rover, 8. jellyfish

9. uno_____ve presence *adj.* not conspicuous or noticeable, especially in a way that is intended to avoid attracting attention or causing disruption; not interfering or obstructing
10. ba____l sensors *n.* a slender, whisker-like sensory organ or filament that hangs from the mouth of certain fish, such as the catfish, used for locating food
11. tr__l for fish *v.* to fish by dragging a net, often along the bottom of the ocean or river; to search or examine something thoroughly, often looking for a specific item or information
12. firefly bio_____nce *n.* the production and emission of light by living creatures, such as glowworms, fireflies, etc.
13. air-dropped to____o *n.* a weapon that is designed to be launched from a ship, submarine, or aircraft and that is propelled through the water by a motor
14. wo____us adventure *adj.* inspiring amazement or admiration; extremely beautiful and impressive
15. tiny mo____l *n.* a small piece or fragment, particularly of food; a small, tasty, or pleasing bit of something
16. co____e head-on *v.* to hit something violently when moving
17. l__e foreign investment *v.* to tempt or persuade someone to do something
18. the na____or of the TV program *n.* a person who tells a story, especially in a book or film

ANSWERS: 9. unobtrusive, 10. barbel, 11. trawl, 12. bioluminescence, 13. torpedo, 14. wondrous, 15. morsel, 16. collide, 17. lure, 18. narrator

19. im____e painting styles *v.* to copy the speech, behavior, appearance, etc. of someone or something
20. gl____g cheeks *adj.* highly enthusiastic; greatly praised
21. first-person na____or *n.* a person who tells a story, especially in a book or film
22. p__e around the desk *v.* to push or prod with a sharp object or the finger
23. bio_____nce of biological sample *n.* the production and emission of light by living creatures, such as glowworms, fireflies, etc.
24. gl____g reviews *adj.* highly enthusiastic; greatly praised
25. mesmerizing lum_____nt effect *adj.* emitting light or glowing softly, often without heat; having the ability to produce or emit light, especially through chemical reactions or by absorbing and then releasing energy
26. pl___e a dagger through his heart *v.* to dive quickly and steeply downward; to thrust or throw into something; (noun) a steep and rapid fall
27. con_____ted leaving school *v.* to think about a possible future action or to think about something for a long time thoughtfully
28. pl__e of smoke *n.* a large feather or group of feathers worn as an ornament or a symbol of achievement or distinction, especially on a hat
29. uno_____ve design *adj.* not conspicuous or noticeable, especially in a way that is intended to avoid attracting attention or causing disruption; not interfering or obstructing

ANSWERS: 19. imitate, 20. glowing, 21. narrator, 22. poke, 23. bioluminescence, 24. glowing, 25. luminescent, 26. plunge, 27. contemplate, 28. plume, 29. unobtrusive

30. g__l slits *n.* a respiratory organ of fish and some other aquatic animals that extracts dissolved oxygen from water and excretes carbon dioxide
31. to_____o attack *n.* a weapon that is designed to be launched from a ship, submarine, or aircraft and that is propelled through the water by a motor
32. mouth-watering mo___l *n.* a small piece or fragment, particularly of food; a small, tasty, or pleasing bit of something
33. blue al__e *n.* A simple plant that grows in or near water and lacks typical leaves and roots
34. g__l apparatus *n.* a respiratory organ of fish and some other aquatic animals that extracts dissolved oxygen from water and excretes carbon dioxide
35. phe_____al growth *adj.* extremely good or impressive; outstanding
36. phe_____al success *adj.* extremely good or impressive; outstanding
37. fo_____dy behavior *adj.* recklessly bold or daring, often without considering the potential risks or consequences.; characterized by a lack of caution, prudence, or sensible judgment
38. lab fl__k *n.* a container with a narrow neck and wide, flat body used for holding and carrying liquids

ANSWERS: 30. gill, 31. torpedo, 32. morsel, 33. algae, 34. gill, 35. phenomenal, 36. phenomenal, 37. foolhardy, 38. flask

39. sexual pr_____ors *n.* an animal whose natural behavior is to prey on others
40. pl_____on blooms *n.* tiny forms of plant and animal life that live in water or air on which other animals feed
41. freshwater is____d *n.* a type of crustacean characterized by its dorsoventrally flattened body and seven pairs of legs, including common examples like woodlice and pill bugs
42. p__e a fire *v.* to push or prod with a sharp object or the finger
43. br_____e material *adj.* easily broken, cracked, or shattered when subjected to pressure or stress; lacking flexibility or resilience; fragile
44. g_b of mud *n.* a lump or chunk of a substance; a large amount of something, especially in the sense of an excess or surplus; a colloquial term for mouth
45. sub_____le pump *adj.* able to be operated or used underwater; capable of being submerged in water or other liquid
46. hi__h a ride *v.* to move something into a different position jerkily; to travel by getting free rides from motorists; to hook or entangle
47. al__e biofuel *n.* A simple plant that grows in or near water and lacks typical leaves and roots
48. pl___e into the water *v.* to dive quickly and steeply downward; to thrust or throw into something; (noun) a steep and rapid fall

ANSWERS: 39. predator, 40. plankton, 41. isopod, 42. poke, 43. brittle, 44. gob, 45. submersible, 46. hitch, 47. algae, 48. plunge

49. pi____el windmill *n.* a toy consisting of curved and colored paper or plastic that is pinned to a stick and spins when you blow on it; a circular firework that spins round and round, emitting colorful fire
50. tw____e like a star *v.* to shine with a flickering or sparkling light; (noun) the act of shining in a bright and cheerful way
51. st____ng therapy *n.* a behavior often exhibited by individuals on the autism spectrum characterized by repetitive bodily movements or sounds, such as hand flapping or rocking, often used as a form of self-regulation or sensory stimulation
52. el____t a solution *v.* to obtain information or a reaction from someone, usually with difficulty
53. sticky g_b *n.* a lump or chunk of a substance; a large amount of something, especially in the sense of an excess or surplus; a colloquial term for mouth
54. hi__h up my trousers *v.* to move something into a different position jerkily; to travel by getting free rides from motorists; to hook or entangle
55. a toy pi____el *n.* a toy consisting of curved and colored paper or plastic that is pinned to a stick and spins when you blow on it; a circular firework that spins round and round, emitting colorful fire
56. giant oc____s *n.* a sea creature with a soft round body and eight long tentacles (= long parts like arms)

ANSWERS: 49. pinwheel, 50. twinkle, 51. stimming, 52. elicit, 53. gob, 54. hitch, 55. pinwheel, 56. octopus

57. infrared in_____er system *n.* someone who enters a place or situation without permission or invitation; someone who interrupts or interferes in something
58. apex pr_____or *n.* an animal whose natural behavior is to prey on others
59. ba____l rod *n.* a slender, whisker-like sensory organ or filament that hangs from the mouth of certain fish, such as the catfish, used for locating food
60. a squid's te_____le *n.* a flexible, mobile, and long arm-like organ used for feeling and holding things, catching food, or moving
61. vacuum fl__k *n.* a container with a narrow neck and wide, flat body used for holding and carrying liquids
62. sa__r fencing *n.* a type of sword with a curved blade, typically used in cavalry or fencing
63. co_____ch killer *n.* a flat, brown or black, chiefly nocturnal insects sometimes found in the home
64. con_____te a marriage *v.* to think about a possible future action or to think about something for a long time thoughtfully
65. abyssal dra_____sh *n.* a type of deep-sea fish with a long, slender body, large teeth, and a bioluminescent barbel on the chin; often found in the abyssal zone and can survive in extreme environments
66. je_____sh sting *n.* a marine creature with a soft, jelly-like body and tentacles for stinging

ANSWERS: 57. intruder, 58. predator, 59. barbel, 60. tentacle, 61. flask, 62. saber, 63. cockroach, 64. contemplate, 65. dragonfish, 66. jellyfish

67. grand fi_____rk display *n.* a device that produces a colorful display of light and sound when it is ignited
68. wo_____us sight *adj.* inspiring amazement or admiration; extremely beautiful and impressive
69. di_____ct attention from the real issue *v.* to draw someone's attention away from what they are trying to do
70. fla_____te bacteria *v.* to whip, scourge, or flog someone or oneself (as in religious penitence practices); to swim using a whip-like tail, as some aquatic animals do; (noun) a type of organism that has one or more whip-like appendages
71. sc_____er bird *n.* an animal or bird that feeds on carrion, dead animals, or other scavenged material; a person who searches for and collects discarded or unwanted items, often to sell or reuse them
72. have a co_____ch phobia *n.* a flat, brown or black, chiefly nocturnal insects sometimes found in the home
73. marine is_____d *n.* a type of crustacean characterized by its dorsoventrally flattened body and seven pairs of legs, including common examples like woodlice and pill bugs
74. rotting ca_____n *n.* the decaying flesh of dead animals, often used to refer to the carcasses that serve as food for scavenging animals
75. st_____sh habitat *n.* marine invertebrate that belongs to the phylum Echinodermata, characterized by a five-armed body shape that resembles a star, typically found on or near the seafloor

ANSWERS: 67. firework, 68. wondrous, 69. distract, 70. flagellate, 71. scavenger, 72. cockroach, 73. isopod, 74. carrion, 75. starfish

76. in_____fy a good relationship *v.* to increase or make something increase in extent or strength
77. fo_____dy decision *adj.* recklessly bold or daring, often without considering the potential risks or consequences.; characterized by a lack of caution, prudence, or sensible judgment
78. the tw_____e of the stars *v.* to shine with a flickering or sparkling light; (noun) the act of shining in a bright and cheerful way
79. dra_____sh species *n.* a type of deep-sea fish with a long, slender body, large teeth, and a bioluminescent barbel on the chin; often found in the abyssal zone and can survive in extreme environments
80. tr_____ct the area *v.* to cut or divide something by means of a transverse line, typically for surveying or scientific study
81. European an_____e *n.* a type of flowering plant that has bright, showy flowers and typically blooms in the spring; a marine creature that resembles flowers but has oral rings of tentacles
82. scavenging ca_____n birds *n.* the decaying flesh of dead animals, often used to refer to the carcasses that serve as food for scavenging animals
83. an_____e flower *n.* a type of flowering plant that has bright, showy flowers and typically blooms in the spring; a marine creature that resembles flowers but has oral rings of tentacles

ANSWERS: 76. intensify, 77. foolhardy, 78. twinkle, 79. dragonfish, 80. transect, 81. anemone, 82. carrion, 83. anemone

84. sub_____le cable *adj.* able to be operated or used underwater; capable of being submerged in water or other liquid
85. ca____n of skyscrapers *n.* a large deep valley with very steep sides of rock and usually formed by a river
86. im_____e animal sounds *v.* to copy the speech, behavior, appearance, etc. of someone or something
87. soft lum_____nt glow *adj.* emitting light or glowing softly, often without heat; having the ability to produce or emit light, especially through chemical reactions or by absorbing and then releasing energy
88. pl__e of feathers *n.* a large feather or group of feathers worn as an ornament or a symbol of achievement or distinction, especially on a hat
89. di_____ct public opinion *v.* to draw someone's attention away from what they are trying to do
90. l__e prey *v.* to tempt or persuade someone to do something
91. illegal in_____er *n.* someone who enters a place or situation without permission or invitation; someone who interrupts or interferes in something
92. in_____fy diplomatic efforts *v.* to increase or make something increase in extent or strength
93. ceremonial sa__r *n.* a type of sword with a curved blade, typically used in cavalry or fencing

ANSWERS: 84. submersible, 85. canyon, 86. imitate, 87. luminescent, 88. plume, 89. distract, 90. lure, 91. intruder, 92. intensify, 93. saber

94. lum_____nce phenomenon *n.* the emission of light occurs as a result of a substance or object being stimulated by energy sources such as heat, electricity, or radiation but without the substance or object becoming significantly hotter or undergoing combustion
95. co_____e in midair *v.* to hit something violently when moving
96. pl_____on community *n.* tiny forms of plant and animal life that live in water or air on which other animals feed
97. ba_____e of questions *n.* a concentrated and continuous outpouring or overwhelming amount of something, such as bombs, questions, criticisms, or comments; a defensive barrier of artillery fire or gunfire
98. br_____e bones *adj.* easily broken, cracked, or shattered when subjected to pressure or stress; lacking flexibility or resilience; fragile
99. autistic st_____ng *n.* a behavior often exhibited by individuals on the autism spectrum characterized by repetitive bodily movements or sounds, such as hand flapping or rocking, often used as a form of self-regulation or sensory stimulation
100. lunar ro__r *n.* a vehicle designed to travel over rough terrain, especially on the surface of a planet or moon
101. marine sc_____er *n.* an animal or bird that feeds on carrion, dead animals, or other scavenged material; a person who searches for and collects discarded or unwanted items, often to sell or reuse them

ANSWERS: 94. luminescence, 95. collide, 96. plankton, 97. barrage, 98. brittle, 99. stimming, 100. rover, 101. scavenger

102. ex-convict bu____r *n.* a person who unlawfully enters a building or other property to steal or commit another crime
103. red lum_____nce *n.* the emission of light occurs as a result of a substance or object being stimulated by energy sources such as heat, electricity, or radiation but without the substance or object becoming significantly hotter or undergoing combustion
104. tr____ct a forest *v.* to cut or divide something by means of a transverse line, typically for surveying or scientific study
105. venomous oc____s *n.* a sea creature with a soft round body and eight long tentacles (= long parts like arms)
106. el____t a confession *v.* to obtain information or a reaction from someone, usually with difficulty
107. fla_____te their sore muscles *v.* to whip, scourge, or flog someone or oneself (as in religious penitence practices); to swim using a whip-like tail, as some aquatic animals do; (noun) a type of organism that has one or more whip-like appendages
108. caught the bu____r *n.* a person who unlawfully enters a building or other property to steal or commit another crime

ANSWERS: 102. burglar, 103. luminescence, 104. transect, 105. octopus, 106. elicit, 107. flagellate, 108. burglar

Session 3: Fill in the Blanks

1. The beach was filled with hundreds of _____ so swimming was not recommended.
n. a marine creature with a soft, jelly-like body and tentacles for stinging
2. The _____ makes use of the local dialect.
n. a person who tells a story, especially in a book or film
3. He spun the _____ and it stopped with the pointer on five.
n. a toy consisting of curved and colored paper or plastic that is pinned to a stick and spins when you blow on it; a circular firework that spins round and round, emitting colorful fire
4. He experienced nausea after eating live _____.
n. a sea creature with a soft round body and eight long tentacles (= long parts like arms)
5. The _____ stars illuminated the night sky.
adj. emitting light or glowing softly, often without heat; having the ability to produce or emit light, especially through chemical reactions or by absorbing and then releasing energy
6. Autistic children may engage in _____ behaviors, such as rocking or hand flapping, to self-regulate.
n. a behavior often exhibited by individuals on the autism spectrum characterized by repetitive bodily movements or sounds, such as hand flapping or rocking, often used as a form of self-regulation or sensory stimulation
7. The old books in the library were so _____ that they crumbled upon touch.
adj. easily broken, cracked, or shattered when subjected to pressure or stress; lacking flexibility or resilience; fragile

ANSWERS: 1. jellyfish, 2. narrator, 3. pinwheel, 4. octopus, 5. luminescent, 6. stimming, 7. brittle

8. The security cameras were designed to be _____ and blend in with their surroundings.
- adj.* not conspicuous or noticeable, especially in a way that is intended to avoid attracting attention or causing disruption; not interfering or obstructing
9. Have you _____ a response from them yet?
- v.* to obtain information or a reaction from someone, usually with difficulty
10. Crows are common _____ in urban areas and will eat almost anything.
- n.* an animal or bird that feeds on carrion, dead animals, or other scavenged material; a person who searches for and collects discarded or unwanted items, often to sell or reuse them
11. The fish's _____ are necessary for extracting oxygen from the water.
- n.* a respiratory organ of fish and some other aquatic animals that extracts dissolved oxygen from water and excretes carbon dioxide
12. The _____ family contains a range of species, some of which are well-adapted to life on land.
- n.* a type of crustacean characterized by its dorsoventrally flattened body and seven pairs of legs, including common examples like woodlice and pill bugs
13. _____ has jammed the inlet to the water turbine.
- n.* A simple plant that grows in or near water and lacks typical leaves and roots
14. The new highway will _____ the wilderness, potentially disrupting local wildlife.
- v.* to cut or divide something by means of a transverse line, typically for surveying or scientific study

ANSWERS: 8. unobtrusive, 9. elicited, 10. scavengers, 11. gills, 12. isopod, 13. Algae, 14. transect

15. The interests of the two countries _____.
- v. to hit something violently when moving
16. _____ 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
17. There are several different species of _____ each with unique adaptations and behaviors.
- n. a type of deep-sea fish with a long, slender body, large teeth, and a bioluminescent barbel on the chin; often found in the abyssal zone and can survive in extreme environments
18. She used a _____ of facts and figures to make her argument.
- n. a concentrated and continuous outpouring or overwhelming amount of something, such as bombs, questions, criticisms, or comments; a defensive barrier of artillery fire or gunfire
19. His eyes _____ with mischief.
- v. to shine with a flickering or sparkling light; (noun) the act of shining in a bright and cheerful way
20. _____ sometimes cause allergic reactions in humans.
- n. a flat, brown or black, chiefly nocturnal insects sometimes found in the home
21. The Grand _____ has an awe-inspiring sight.
- n. a large deep valley with very steep sides of rock and usually formed by a river
22. The fisherman used a net to _____ the bottom of the river for his catch.
- v. to fish by dragging a net, often along the bottom of the ocean or river; to search or examine something thoroughly, often looking for a specific item or information

ANSWERS: 15. collide, 16. Plankton, 17. dragonfish, 18. barrage, 19. twinkled, 20. Cockroaches, 21. Canyon, 22. trawl

23. The _____ on Mars is gathering data on the planet's surface and sending it back to Earth.
- n.* a vehicle designed to travel over rough terrain, especially on the surface of a planet or moon
24. The skilled _____ bypassed the alarm system and entered the house without making a sound.
- n.* a person who unlawfully enters a building or other property to steal or commit another crime
25. Rebels have pledged to _____ the armed struggle against the dictatorship.
- v.* to increase or make something increase in extent or strength
26. The chemist poured the solution from the beaker into the _____.
- n.* a container with a narrow neck and wide, flat body used for holding and carrying liquids
27. The bird had a beautiful _____ on its head.
- n.* a large feather or group of feathers worn as an ornament or a symbol of achievement or distinction, especially on a hat
28. I only had a small _____ of cake while trying to watch my weight.
- n.* a small piece or fragment, particularly of food; a small, tasty, or pleasing bit of something
29. Certain squids acquire symbiotic _____ by feeding on specific microorganisms.
- n.* the production and emission of light by living creatures, such as glowworms, fireflies, etc.

ANSWERS: 23. rover, 24. burglar, 25. intensify, 26. flask, 27. plume, 28. morsel, 29. bioluminescence

30. After taking a ____ of food, he politely wiped his mouth with a napkin.
n. a lump or chunk of a substance; a large amount of something, especially in the sense of an excess or surplus; a colloquial term for mouth
31. He _____ the modus operandi of the famous phantom thief.
v. to copy the speech, behavior, appearance, etc. of someone or something
32. The submarine launched a _____ at the enemy ship.
n. a weapon that is designed to be launched from a ship, submarine, or aircraft and that is propelled through the water by a motor
33. The native South American animals were in danger because of the _____ arrival.
n. an animal whose natural behavior is to prey on others
34. The _____ beauty of the sunset left us all in awe.
adj. inspiring amazement or admiration; extremely beautiful and impressive
35. It was _____ of him to attempt the dangerous stunt without any safety equipment.
adj. recklessly bold or daring, often without considering the potential risks or consequences.; characterized by a lack of caution, prudence, or sensible judgment
36. I recently _____ dropping out of school and getting a full-time job.
v. to think about a possible future action or to think about something for a long time thoughtfully
37. The military commander drew his _____ and shouted orders to the troops.
n. a type of sword with a curved blade, typically used in cavalry or fencing

ANSWERS: 30. gob, 31. imitated, 32. torpedo, 33. predator's, 34. wondrous, 35. foolhardy, 36. contemplated, 37. saber

38. The salesperson used a special offer to _____ customers into buying the product.
v. to tempt or persuade someone to do something
39. The _____ of the fireflies in the dark forest was a magical sight.
n. the emission of light occurs as a result of a substance or object being stimulated by energy sources such as heat, electricity, or radiation but without the substance or object becoming significantly hotter or undergoing combustion
40. The western sky was _____ pink.
adj. highly enthusiastic; greatly praised
41. The athlete's _____ performance broke all previous records.
adj. extremely good or impressive; outstanding
42. Some single-celled organisms can _____ themselves through the water.
v. to whip, scourge, or flog someone or oneself (as in religious penitence practices); to swim using a whip-like tail, as some aquatic animals do; (noun) a type of organism that has one or more whip-like appendages
43. The _____ habitat typically includes clean, fast-flowing waters where they can find insects and small crustaceans to feed on.
n. a slender, whisker-like sensory organ or filament that hangs from the mouth of certain fish, such as the catfish, used for locating food
44. The company's profits _____ after the recall of their new product.
v. to dive quickly and steeply downward; to thrust or throw into something; (noun) a steep and rapid fall
45. The vultures were circling above, searching for _____ to feast on.
n. the decaying flesh of dead animals, often used to refer to the carcasses that serve as food for scavenging animals

ANSWERS: 38. lure, 39. luminescence, 40. glowing, 41. phenomenal, 42. flagellate, 43. barbel's, 44. plunged, 45. carrion

46. The children were excited to see the _____ show.

n. a device that produces a colorful display of light and sound when it is ignited

47. The police caught the fugitive criminal in the _____ of an expanded investigation.

n. a flexible, mobile, and long arm-like organ used for feeling and holding things, catching food, or moving

48. The homeowner called the police when they spotted an _____ in their backyard.

n. someone who enters a place or situation without permission or invitation; someone who interrupts or interferes in something

49. Please don't _____ me while I'm studying.

v. to draw someone's attention away from what they are trying to do

50. The _____ vehicle can explore the depths of the ocean.

adj. able to be operated or used underwater; capable of being submerged in water or other liquid

51. The _____ unique shape helps it to escape from predators quickly.

n. marine invertebrate that belongs to the phylum Echinodermata, characterized by a five-armed body shape that resembles a star, typically found on or near the seafloor

52. The beautiful _____ swayed gently in the ocean current.

n. a type of flowering plant that has bright, showy flowers and typically blooms in the spring; a marine creature that resembles flowers but has oral rings of tentacles

ANSWERS: 46. firework, 47. tentacles, 48. intruder, 49. distract, 50. submersible, 51. starfish's, 52. anemones

53. They _____ fun at each other's jokes, laughing and teasing.

v. to push or prod with a sharp object or the finger

54. The mechanics _____ the trailer to the broken-down car.

v. to move something into a different position jerkily; to travel by getting free rides from motorists; to hook or entangle

ANSWERS: 53. poked, 54. hitched