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## Vocabulary Builder Reference from...

Mariela Pajuelo and Javier Antonio Quinones: The one thing stopping jellyfish from taking over | TED Talk

https://www.ted.com/talks/mariela\_pajuelo\_and\_javier \_antonio\_quinones\_the\_one\_thing\_stopping\_jellyfish \_from\_taking\_over



## **Advanced Words Only**

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## Session 1: Word List

## jellyfish

 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.

#### overwhelm

v. to defeat someone or something by using a great deal of force; to have a strong emotional effect on somebody

*synonym*: conquer, crush, dominate

(1) he was **overwhelmed** with gratitude, (2) **overwhelm** opponents by numbers

Too much variety may **overwhelm** and confuse viewers.

#### diver

 a person who dives, especially one who does so professionally or as a sport; a bird that dives into the water to catch fish or other prey

synonym: plunger, frogman, loon

(1) professional diver, (2) deep-sea diver

The search and rescue team sent a team of **divers** to search for the missing plane wreckage.

swat

v. to strike or hit someone or something with a quick, sharp blow, usually with the hand or a flat object; (noun, an acronym that stands for "Special Weapons And Tactics") specialized groups within police departments that are trained to handle high-risk operations that regular officers are not equipped to deal with

synonym: slap, smack, hit

- (1) expertly **swat** back the ball, (2) **SWAT** operation I had to **swat** away a fly that was buzzing around my head.
- to cause a sharp, painful sensation or injury with a poison, venom, or other substance or by a physical action such as a bite or prick

*synonym*: bite, prick, poke

(1) **sting** me on the arm, (2) **sting** his face
Bees **sting** as a defense mechanism when they feel threatened.

clog

sting

v. to obstruct or block up (a passage, pipe, or system) with an accumulation of thick or sticky matter; to impede or hinder the progress or movement of something

synonym: block, jam, obstruct

(1) clog a filter, (2) clog artery

The drain was **clogged** with hair and needed to be cleaned out.

decibel

 n. (also "dB") a unit used to measure the intensity of sound or the comparative loudness of two sounds based on a logarithmic scale

synonym: dB, sound level, volume

(1) decibel level, (2) adjust the decibel

The concert reached 100 **decibels**, causing many people to cover their ears.

**swarm** 

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

synonym: horde, hive, throng

Page 2 / 26

(1) a **swarm** of mosquitoes, (2) locust **swarm** A **swarm** of angry bees attacked because we had approached the hive.

#### devour

 to eat or consume something eagerly or ravenously; or to destroy something rapidly

synonym: consume, swallow, destroy

(1) devour a meal, (2) devour my way

She **devoured** the mystery novel in one sitting.

#### voracious

 adj. having a very strong appetite or desire for something, especially for food or activity; extremely eager or enthusiastic for something

synonym: ravenous, insatiable, greedy

(1) voracious thirst, (2) voracious reader

The **voracious** appetite of the teenager was legendary.

#### larva

the immature free-living form of insect or an animal,
 which at hatching from the egg, is fundamentally unlike its parent and must metamorphose

synonym: caterpillar, grub, maggot

(1) larva of a butterfly, (2) a moth larva

The butterfly emerged from its larva stage.

## outcompete

 to be more successful in competition than someone or something

synonym: outperform, outdo, surpass

(1) **outcompete** peers, (2) **outcompete** domestic producers To **outcompete** its rivals, the company invested heavily in research and development.

## trajectory

the curved path followed by an object moving through space

synonym: course, curve, orbit

(1) career trajectory, (2) a trajectory missile

The company has shown an excellent growth trajectory over

the years.

## 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.

## predator

- 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.

## **lifespan**

the length of time for which a person, animal lives, or thing exists

synonym: duration, lifetime, continuance

(1) **lifespan** extension, (2) **lifespan** retrieval curve Generally speaking, men have a shorter **lifespan** than women.

gonad

a reproductive organ that produces gametes, such as testes in males or ovaries in females

synonym: testes, ovary, reproductive gland

- (1) gonad development, (2) reproductive gonad Certain chemicals can disrupt the proper functioning of **gonads**, leading to reproductive problems.
- to cut down and trim grass or other vegetation, usually with a machine such as a lawnmower; to cut down or harvest crops

synonym: cut, trim, clip

(1) mow the field, (2) mow a yard

My father likes to **mow** the lawn early on Saturday mornings.

#### mow

#### swath

 a strip of land, especially a long, narrow one; a large amount or quantity of something

synonym: strip, band, fodder

(1) a large **swath** of territory, (2) a **swath** of green grass The charity organization has helped to provide education to a vast **swath** of the population.

## unsuspecting

*adj.* unaware of the presence of danger; not suspicious *synonym*: unaware, unassuming, gullible

(1) **unsuspecting** boys and girls, (2) **unsuspecting** victim The thief stole the wallet from the **unsuspecting** tourist.

#### tentacle

- 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.

#### venomous

- adj. extremely poisonous or injurious; containing or producing venom; marked by deep ill willsynonym: poisonous, toxic, lethal
- (1) the **venomous** jellyfish's sting, (2) have **venomous** eyes The **venomous** snake bit him, causing him to go into shock.

## harpoon

n. a spear-like weapon used for fishing or hunting sea creatures such as whales or sharks; a sharp tool used for piercing or impaling something; (verb) to hunt or capture a fish or other sea creature using a spear-like instrument called a harpoon

synonym: spear, lance, arrow

(1) **harpoon** fishing, (2) **harpoon** the giant octopus

The whaling industry declined as countries began to ban the use of **harpoons** 

barb

 a sharp projection or point, often on a plant or animal; a cutting remark or criticism that is meant to hurt or insult; a type of fishing lure that has small hooks and a brightly

#### colored feather or hair

synonym: spine, barbed remark, sting

(1) barb wire, (2) aim a barb

The politician's words were full of **barbs** designed to hurt his opponent.

#### nematocyst

 a specialized stinging cell found in the tentacles of cnidarians, such as jellyfish and sea anemones, used for protection and capturing prey

synonym: cnidocyst, stinging cell, nematocyte

(1) **nematocyst** discharge, (2) **nematocyst** injection The **nematocysts** on jellyfish tentacles can cause a painful sting.

## paralyze

v. to cause a person or part of the body to become unable to move or feel

synonym: immobilize, disable, numb

(1) paralyze a city, (2) paralyze a person

The venom from the snake bite paralyzed his arm.

#### irritate

v. to annoy, provoke, or cause resentment or anger in someone; to inflame or make sore

synonym: annoy, vex, bother

(1) irritate skin, (2) irritate my partner

The sound of his chewing loudly **irritates** me during dinner.

#### intruder

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

synonym: trespasser, intruder, interloper

illegal intruder, (2) infrared intruder system
 The homeowner called the police when they spotted an intruder in their backyard.

#### reptile

 a cold-blooded animal that has dry, scaly skin and lays eggs on land, such as snakes, lizards, and turtles

synonym:

lizard, serpent, snake

(1) reptile exhibition, (2) fossil reptile

Alligators are a type of **reptile** that live in swamps and rivers.

#### keratin

 a fibrous protein that is the main structural component of hair, nails, and the outer layer of skin in mammals and birds; also found in horns, hooves, and feathers

synonym: ceratin

(1) **keratin** treatment, (2) **keratin** protein

Keratosis is a skin condition characterized by the formation of excess **keratin** on the skin's surface

claw

n. a curved, pointed appendage found on the foot or leg of an animal, used for gripping or grasping; a human hand with long, narrow fingers that are curved like a claw; a machine or tool with a claw-like opening used for gripping or lifting objects

synonym: paw, talon, nail

(1) claw marks, (2) claw hammer

The bear used its **claw** to catch a fish in the river.

imp

 a mischievous or misbehaving child; a small and mischievous demon or sprite in folklore

synonym: demon, sprite, mischievous child

(1) a little imp, (2) behave like an imp

The mischievous **imp** caused trouble wherever it went.

## esophagus

n. the muscular tube that connects the mouth and throat to the stomach, which allows food to pass through

synonym: gullet, throat, food pipe

(1) esophagus reflux, (2) upper esophagus

The tumor in her **esophagus** was causing her difficulty in eating and drinking.

#### asexual

adj. lacking sexual organs or characteristics; not involving or characterized by sexual activity; neither male nor female in gender identity; not operating in a sexual manner or

#### with sexual connotations

synonym: neutral, sexless, unisex

(1) asexual community, (2) asexual individual

**Asexual** reproduction is a common trait found in certain species of plants and animals.

#### numb

 adj. unable to feel physical sensation and movement; not showing human feeling or sensitivity

synonym: dazed, insensitive, emotionless

(1) **numb** with cold, (2) a **numb** mind

My left arm became **numb**.

## temperate

adj. mild or moderate in temperature or climate; exhibiting self-restraint, particularly about the consumption of food, drink, or other indulgences; showing moderation or restraint in behavior or attitude

synonym: moderate, mild, genial

(1) **temperate** grassland, (2) **temperate** behavior The **temperate** climate of the region made it an ideal vacation spot.

## alarming

- adj. causing concern or apprehension; causing a feeling of danger, harm, or emergency; unsettling or disturbingsynonym: forbidding, concerning, disturbing
- (1) **alarming** news, (2) **alarming** statistics

  The sudden rise in crime rates in our neighborhood is quite **alarming**.

#### polyp

n. (of zoology) a small, typically sessile, marine animal with a hollow, cylindrical body and tentacles surrounding a central mouth, often found in colonies and sometimes forming coral reefs; (of gastroenterology) an abnormal tissue growth that can occur in the colon, rectum, or other parts of the gastrointestinal tract

synonym: polypus, hydra, anemone

(1) the **polyp** on the hydra's tentacle, (2) gastric **polyp**The coral reef was home to various **polyps** and other sea

#### creatures.

#### gill

 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.

#### unintentional

adj. not done or made on purpose; accidental synonym: accidental, unforeseen, spontaneous

(1) avoid **unintentional** harm, (2) **unintentional** insult The mistake was **unintentional** and made in good faith.

## dolphin

 a marine mammal that typically has a beaklike snout, a streamlined body, and flippers and that feeds on fish and squid

synonym: porpoise, cetacean, marine mammal

(1) **dolphin** show, (2) **dolphin-watching** tour
The large group of **dolphins** swam gracefully in the ocean, jumping out of the water now and then.

#### seabird

 a bird species that spends much of its life on or near the sea, often feeding on fish and other marine animals

The fishermen were alarmed to see a flock of **seabirds** 

synonym: seafowl, oceanic bird

(1) **seabird** migration, (2) **seabird** nesting

circling above the water.

# **Session 2: Spelling**

1. apex pr\_\_\_\_or

2. de\_\_\_r my way

3. adjust the de\_\_\_\_l

4. te te grassland

5. expertly s t back the ball

6. de ra meal

- n. an animal whose natural behavior is to prey on others
- v. to eat or consume something eagerly or ravenously; or to destroy something rapidly
- n. (also "dB") a unit used to measure the intensity of sound or the comparative loudness of two sounds based on a logarithmic scale
- adj. mild or moderate in temperature or climate; exhibiting self-restraint, particularly about the consumption of food, drink, or other indulgences; showing moderation or restraint in behavior or attitude
- v. to strike or hit someone or something with a quick, sharp blow, usually with the hand or a flat object; (noun, an acronym that stands for "Special Weapons And Tactics") specialized groups within police departments that are trained to handle high-risk operations that regular officers are not equipped to deal with
- v. to eat or consume something eagerly or ravenously; or to destroy something rapidly

ANSWERS: 1. predator, 2. devour, 3. decibel, 4. temperate, 5. swat, 6. devour

7.	laa of a butterfly	n.	the immature free-living form of insect or an animal, which at hatching from the egg, is fundamentally unlike its parent and must metamorphose
8.	gl apparatus	n.	a respiratory organ of fish and some other aquatic animals that extracts dissolved oxygen from water and excretes carbon dioxide
9.	m_w a yard	v.	to cut down and trim grass or other vegetation, usually with a machine such as a lawnmower; to cut down or harves crops
10.	gelus substance	adj.	having the texture of jelly; having a translucent, jelly-like consistency
11.	outte peers	v.	to be more successful in competition than someone or something
12.	ST operation	v.	to strike or hit someone or something with a quick, sharp blow, usually with the hand or a flat object; (noun, an acronym that stands for "Special Weapons And Tactics") specialized groups within police departments that are trained to handle high-risk operations that regular officers are not equipped to deal with
13.	ken protein	n.	a fibrous protein that is the main structural component of hair, nails, and the outer layer of skin in mammals and birds; also found in horns, hooves, and feathers

keratin

14. jesh sting	n.	a marine creature with a soft, jelly-like body and tentacles for stinging
15. a swh of green grass	n.	a strip of land, especially a long, narrow one; a large amount or quantity of something
16. cg a filter	ν.	to obstruct or block up (a passage, pipe, or system) with an accumulation of thick or sticky matter; to impede or hinder the progress or movement of something
17. a squid's tele	n.	a flexible, mobile, and long arm-like organ used for feeling and holding things, catching food, or moving
18. a nb mind	adj.	unable to feel physical sensation and movement; not showing human feeling or sensitivity
19. the pop on the hydra's tenta	cle n.	(of zoology) a small, typically sessile, marine animal with a hollow, cylindrical body and tentacles surrounding a central mouth, often found in colonies and sometimes forming coral reefs; (of gastroenterology) an abnormal tissue growth that can occur in the colon, rectum, or other parts of the gastrointestinal tract
20. asI individual	adj.	lacking sexual organs or characteristics; not involving or characterized by sexual activity; neither male nor female in gender identity; not operating in a sexual manner or with sexual connotations
		activity; neither male nor female in gender identity; not operating in a sexual manner or with sexual
ANSWERS: 14. jellyfish, 15. swatl asexual	n, 16. clog, 1	7. tentacle, 18. numb, 19. polyp, 20.

26. numb, 27. voracious, 28. diver, 29. barb

30. a large swh of territory	n.	a strip of land, especially a long, narrow one; a large amount or quantity of something
31. paze a city	v.	to cause a person or part of the body to become unable to move or feel
32. esus reflux	n.	the muscular tube that connects the mouth and throat to the stomach, which allows food to pass through
33. ken treatment	n.	a fibrous protein that is the main structural component of hair, nails, and the outer layer of skin in mammals and birds; also found in horns, hooves, and feathers
34. cw hammer	n.	a curved, pointed appendage found on the foot or leg of an animal, used for gripping or grasping; a human hand with long, narrow fingers that are curved like a claw; a machine or tool with a claw-like opening used for gripping or lifting objects
35. han the giant octopus	n.	a spear-like weapon used for fishing or hunting sea creatures such as whales or sharks; a sharp tool used for piercing or impaling something; (verb) to hunt or capture a fish or other sea creature using a spear-like instrument called a harpoon
36. bb wire	n.	a sharp projection or point, often on a plant or animal; a cutting remark or criticism that is meant to hurt or insult; a type of fishing lure that has small hooks and a brightly colored feather or hair
ANSWERS: 30. swath, 31. paralyze, harpoon, 36. barb	32. esopł	nagus, 33. keratin, 34. claw, 35.

37.	unsing victim	adj.	unaware of the presence of danger; not suspicious
38.	god development	n.	a reproductive organ that produces gametes, such as testes in males or ovaries in females
39.	outte domestic producers	v.	to be more successful in competition than someone or something
40.	ree exhibition	n.	a cold-blooded animal that has dry, scaly skin and lays eggs on land, such as snakes, lizards, and turtles
41.	ovIm opponents by numbers	v.	to defeat someone or something by using a great deal of force; to have a strong emotional effect on somebody
42.	unsing boys and girls	adj.	unaware of the presence of danger; not suspicious
43.	reproductive god	n.	a reproductive organ that produces gametes, such as testes in males or ovaries in females
44.	paze a person	ν.	to cause a person or part of the body to become unable to move or feel
45.	asI community	adj.	lacking sexual organs or characteristics not involving or characterized by sexual activity; neither male nor female in gender identity; not operating in a sexual manner or with sexual connotations
46.	posterior tele	n.	a flexible, mobile, and long arm-like organ used for feeling and holding things, catching food, or moving
	SWERS: 37. unsuspecting, 38. gonad unsuspecting, 43. gonad, 44. paralyze		outcompete, 40. reptile, 41. overwhelm, asexual, 46. tentacle

harpoon, 80. swarm

- 81. the ve\_\_\_us jellyfish's sting
- 82. sexual pr\_\_\_ors
- 83. spineless je\_\_\_\_sh
- 84. g\_\_l slits

- adj. extremely poisonous or injurious;containing or producing venom; markedby deep ill will
- n. an animal whose natural behavior is to prey on others
- n. a marine creature with a soft, jelly-like body and tentacles for stinging
- a respiratory organ of fish and some other aquatic animals that extracts dissolved oxygen from water and excretes carbon dioxide

ANSWERS: 81. venomous, 82. predator, 83. jellyfish, 84. gill

# **Session 3: Fill in the Blanks**

1.	reproduction is a common trait found in certain species of plants and animals.
adj	lacking sexual organs or characteristics; not involving or characterized by sexual activity; neither male nor female in gender identity; not operating in a sexual manner or with sexual connotations
2.	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
3.	My father likes to the lawn early on Saturday mornings.
<i>v</i> .	to cut down and trim grass or other vegetation, usually with a machine such as a lawnmower; to cut down or harvest crops
4.	The whaling industry declined as countries began to ban the use of
<i>n</i> .	a spear-like weapon used for fishing or hunting sea creatures such as whales or sharks; a sharp tool used for piercing or impaling something; (verb) to hunt or capture a fish or other sea creature using a spear-like instrument called a harpoon
5.	The thief stole the wallet from the tourist.
ad	unaware of the presence of danger; not suspicious
6.	The search and rescue team sent a team of to search for the missing plane wreckage.
n.	a person who dives, especially one who does so professionally or as a sport; a bird that dives into the water to catch fish or other prey
AN	SWERS: 1. Asexual, 2. gills, 3. mow, 4. harpoons, 5. unsuspecting, 6. divers

21. overwhelm, 22. tentacles

36.	The venom from the snake bite his arm.
<i>v</i> .	to cause a person or part of the body to become unable to move or feel
37.	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
38.	The large group of swam gracefully in the ocean, jumping out of the water now and then.
n.	a marine mammal that typically has a beaklike snout, a streamlined body, and flippers and that feeds on fish and squid
39.	Certain chemicals can disrupt the proper functioning of leading to reproductive problems.
n.	a reproductive organ that produces gametes, such as testes in males or ovaries in females
40.	The fishermen were alarmed to see a flock of circling above the water.
n.	a bird species that spends much of its life on or near the sea, often feeding on fish and other marine animals
41.	The butterfly emerged from its stage.
n.	the immature free-living form of insect or an animal, which at hatching from the egg, is fundamentally unlike its parent and must metamorphose
42.	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
n.	