Englist.me

Vocabulary Builder Reference from...

Aatish Bhatia: The physics of human sperm vs. the physics of the sperm whale | TED Talk https://www.ted.com/talks/aatish_bhatia_the_physics_of_human_sperm_vs_the_physics_of_the_sperm_w hale



All Words

IMPORTANT

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Session 1: Word List

physicist

- n. a scientist who specializes in the field of physics
- talented physicist,
 theoretical physicist
 tinstein was an outstanding and famous physicist of the 20th century.

calculated

 adj. done with careful thought or planning; deliberate and intentional; based on a process of reasoning or estimation rather than on instinct or chance

synonym: premeditated, willful, deliberate

(1) **calculated** bankruptcy, (2) **calculated** crime

The company made a **calculated** decision to invest in new technology.

bacteria

n. single-celled or noncellular spherical or spiral or rod-shaped organisms that exist in large numbers in the air, water, and soil, and also in living and dead creatures and plants, and are often a cause of disease

synonym: microorganism, microbe

 pathogenic bacteria, (2) harmless bacteria
 Bacteria prevalent in hospitals are often resistant to antibiotics.

atom

 n. the smallest unit of ordinary matter that forms a chemical element, composed of a nucleus and one or more electrons bound to the nucleus

synonym: particle, element, fraction

(1) oxygen **atom**, (2) neutral hydrogen **atoms**The outermost electron shell of an **atom** determines its chemical characteristics.

sperm

- n. the reproductive cell produced by a man or male animal synonym: seed, semen, seminal fluid
- (1) man with a low **sperm** count, (2) production of **sperm** The male **sperm** fertilizes the female egg.

microbe

- n. a tiny living thing that can only be seen with a microscope and that may cause diseasesynonym: germ, microorganism, bacterium
- (1) pathogenic **microbe**, (2) **microbes** sterilizer **Microbes** thrive on the surface of the human skin.

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.

creature

- n. a living being, especially an animal synonym: being, animal, organism
- (1) **creature** of habit, (2) artificial **creature**The deep sea **creature** was unlike anything the scientists had ever seen before.

inhabit

- v. to live in a specific location; to reside synonym: settle, occupy, populate
- (1) inhabit a cave, (2) inhabit the stomachI have no idea what sort of folks inhabit the neighborhood.

alien

 a person who comes from a different country, race, or group; a form of life assumed to exist outside the Earth or its atmosphere

synonym: foreigner, unfamiliar, unknown

(1) alien fungi, (2) resident aliens

Alien species have drastically altered the ecosystem in this area.

incredible

adj. unbelievable; enormous

synonym: unbelievable, fantastical, inconceivable

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

Her response revealed **incredible** idiocy.

endeavor

v. to make an earnest attempt or effort; to strive or work hard towards a goal or objective

synonym: attempt, strive, undertake

(1) **endeavor** to succeed, (2) **endeavor** as much as possible

We will **endeavor** to find a solution to the problem as quickly as possible.

fundamental

adj. forming an essential base or core from which everything else develops or is affected

synonym: basic, essential, entire

(1) **fundamental** education, (2) **fundamental** rights Human behavior has **fundamental** characteristics.

whale

 a very large sea mammal that has a streamlined body and breathes through a blowhole on the head; a very large person; impressive in size or qualities

synonym: porpoise, giant

(1) a bull whale, (2) whale watching

Some countries have a culture of eating the flesh of a whale.

dive

to jump into the water with your head and arms going in first, or to move down to a deeper level underwater

synonym: dip, leap, plunge

(1) **dive** into anime communities, (2) **dive** off a cliff The sperm whale can **dive** to 1,000 meters.

physics

- 1. the science of matter and energy and their interactions
- (1) nuclear **physics**, (2) laws of **physics** He studied the **physics** of radiation.

fluid

- n. a substance that can flow and is not solid
- synonym: liquid, aqua, sap
- (1) plenty of **fluids**, (2) **fluid** assets

She was diagnosed with a **fluid** buildup in her lungs.

bunch

- a grouping of several similar things which are growing or fastened together
- synonym: group, assemblage, bundle
- (1) a **bunch** of trees, (2) a **bunch** of schoolgirls One bad apple spoils the whole **bunch**.

molecule

- *n.* a group of two or more atoms held together by attractive forces known as chemical bonds
- synonym: particle, element, atom
- (1) small **molecules**, (2) **molecule** behavior The shape of the DNA **molecule** is a double helix.

outnumber

- v. to be more numerous or greater in number than another group or entity; to exceed in quantity or number
- synonym: surpass, exceed
- (1) **outnumber** our opponents, (2) **outnumber** males The number of tourists in the city now **outnumbers** the locals.

trillion

- n. the number 1,000,000,000,000; a million million
- (1) **trillion** cubic feet, (2) many **trillions** of dollars One light year is nearly 6 **trillion** miles.

gigantic

adj. extremely large

synonym: huge, enormous, immense

(1) gigantic proportions, (2) gigantic monstersHe was so hungry from the long journey that he had a

gigantic appetite.

swish

 to move or cause to move with a hissing or rustling sound

synonym: rustle, hiss, flick

(1) swish a whip, (2) swish her hair

He **swished** his sword back and forth, trying to intimidate his

opponent.

teeny

adj. extremely small; tiny

synonym: tiny, mini, minuscule

(1) teeny bit, (2) so teeny tiny

The ring was so **teeny** that it almost looked like a toy.

predict

v. to state beforehand that something will happen in the future, mainly based on knowledge or experience

synonym: forecast, anticipate, foresee

(1) **predict** the future, (2) **predict** when she will arrive It's notoriously challenging to **predict** birth rates.

density

n. the quality of compactness of a substance

synonym: tightness, viscosity

(1) population **density**, (2) higher pixel **density**

Do you know the **density** of the population in Hong Kong?

sticky

adj. made of or covered with an adhesive substance; hot or warm and humid

synonym: adhesive, gluey, clingy

(1) sticky weather, (2) sticky situation

A peculiar **sticky** material coated the foliage.

viscosity

n. the state or quality of being thick, sticky, and semi-fluid in consistency; resistance to flow

synonym: thickness, consistency, texture

(1) high viscosity, (2) dynamic viscosity

The **viscosity** of the oil made it difficult to pour.

vast

adj. enormous in size, number, amount, or quantity synonym: expansive, extended, boundless

(1) vast majority, (2) vast desert

A **vast** audience viewed the broadcast.

flap

 a piece of material attached to a garment, sail, or aircraft which flaps in the wind; (verb) to move in a wavy pattern or with an up-and-down motion

synonym: winged object, cover, (verb) flutter

(1) the flap of wings, (2) flap out a candle

The **flap** of the tent was open, letting in the fresh air.

distance

n. the amount of space between two points, measured in units such as miles, meters, or kilometers; the extent, scope, or range between two things, such as distance or emotional distance

synonym: space, gap, span

(1) driving distance, (2) social distance

The marathon runner covered a long **distance** in a short amount of time.

tub

 a large, deep, round container, typically made of metal or plastic, used for washing or soaking things, especially clothes or a person's body

synonym: bathtub, bath, basin

(1) **tub** for foot soaking, (2) **tub** for washing

I like to take a long soak in the **tub** after a long day.

molasses

 a thick, dark syrup made from boiled sugar cane or sugar beet juice, often used as a sweetener in cooking and baking

synonym:

treacle, syrup, honey

(1) molasses cookies, (2) thick molasses

The recipe calls for a tablespoon of **molasses** to add sweetness.

drift

COW

to move smoothly and slowly in water or air, especially as a result of outside forces, with no control over the direction

synonym: float, wander, freewheel

- (1) **drift** down the stream, (2) **drift** away on a raft I **drifted** around for years in Europe before going to university.
- a domesticated mammal with characteristic features such as a hump, large udders, and curved horns that is raised for its milk or meat

synonym: bovine, cattle, kine

(1) cow herd, (2) dairy cow

The farmer milked the cows every morning before breakfast.

adaptation

 the action or process of changing to suit different conditions

synonym: adaption, adjustment, transformation

(1) **adaptation** ability, (2) language **adaptation**The company's **adaptation** approach has been highly effective.

deform

ν. to change or distort the shape or appearance of something; to become misshapen or distorted

synonym: distort, contort, mangle

(1) **deform** the shape, (2) **deform** his way of life The heat from the fire **deformed** the plastic parts of the appliance.

paddle

n. a flat, usually wooden implement with a handle used for stirring, mixing, or beating a liquid or substance

synonym:

oar, oarlock, scull

(1) paddle strokes, (2) canoe paddle

The **paddle** boarders glided across the crystal-clear waters of the cove.

cleverly

adv. in a way that demonstrates intelligence or ability synonym: smartly, shrewdly, wittily

(1) cleverly devised trap, (2) guess cleverly

The dog jumped **cleverly** to one side.

flex

v. to show off one's strength, power, or possessions; to bend or be capable of bending easily

synonym: bend, stretch, extend

(1) flex a finger, (2) flex diplomatic muscle

The gymnast was able to **flex** his muscles to perform the difficult routine.

drag

v. to pull or haul with force

synonym: haul, pull, draw

(1) drag a chair over, (2) drag a team down

He **dragged** the heavy suitcase behind him as he walked.

stroke

 a medical condition in which poor blood flow to the brain causes cell death; the act of swinging or striking at a ball with a club, racket, etc.

synonym: blow

(1) suffer **stroke**, (2) a **stroke** of the putter

This year's extreme heat has resulted in many heat **stroke** cases.

recover

- v. to return to a former condition, health, mind, or strength synonym: come back, convalesce, heal
- (1) **recover** a loss, (2) **recover** approval ratings She is still **recovering** from a shot to her shoulder.

paramecium

 a single-celled freshwater organism characterized by a slipper-like shape and the presence of cilia, used for movement and food gathering

synonym: slipper animalcule, ciliate

(1) **paramecium** species, (2) **paramecium** reproduction The **paramecium** colony flourished in the petri dish, providing a perfect sample for our experiment.

ingenious

adj. showing inventiveness and ability or skill *synonym*: creative, innovative, inventive

(1) **ingenious** device, (2) **ingenious** idea I always look forward to reading his stories since they're so **ingenious**.

wag

v. to move or swing back and forth or up and down in a lively or playful manner; to shake or quiver

synonym: waggle, swish, wave

(1) **wag** their laughter, (2) **wag** a forefinger

The cow lazily continued to **wag** its tail while grazing in the field.

cork

n. a type of light and buoyant material that comes from the bark of the cork oak tree often used as a stopper for bottles or as a material for insulation or flooring; (verb) to close or seal something with a cork or similar stopper

synonym: stopper, bung, plug

(1) **cork** a bottle, (2) **cork** flooring

She used a **cork** board to display her favorite photographs.

screw

v. to turn something, such as a bolt, with a driver or wrench to tighten or loosen it; (noun) a cylindrical rod with a helical ridge used to fasten things together

synonym: tighten, fix, secure

(1) screw the cap, (2) a female screw

He had to **screw** the loose knob back onto the cabinet door.

convert

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

synonym: alter, remake, transform

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

spin

v. to cause something to rotate rapidly; to cause someone to feel dizzy or disoriented

synonym: rotate, twirl, swirl

(1) **spin** a top, (2) **spin** thread out of cotton

The tornado is **spinning** across the countryside, destroying everything in its path.

helix

 n. a three-dimensional spiral shape or structure, particularly like that of a spring or a DNA molecule
 synonym: coil, spiral, twist

(1) **helix** structure, (2) alpha **helix**

The DNA molecule is shaped like a double **helix**.

strategy

 a detailed plan of action designed to achieve a long-term or overall goal.

synonym: approach, procedure, scenario

(1) military strategy, (2) develop a strategy

Our plan includes a comprehensive marketing strategy.

grapple

v. to make a strenuous effort to solve a problem; to engage in a close fight or conflict without weapons

synonym: brawl, scuffle, wrestle

(1) **grapple** with problem, (2) **grapple** with each other He needed to **grapple** with structural reforms to improve the company's revenue.

hook

 a curved device used for suspending, holding, or pulling something, especially one attached to a surface for hanging things on; a sharp curve or crook

synonym: buckle, pin, curve

(1) a hat hook, (2) the curved shape of a hook

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Please hang your towel on a hook.

sling

v. to throw or drop something somewhere carelessly; to hang loosely or freely; (noun) a length of rope, fabric, or chain used to support or lift something

synonym: throw, hang, (noun) harness

(1) **sling** an arrow, (2) **sling** shot

The children were playing by **slinging** stones at the monument.

fling

v. to throw or push something or someone with force or recklessness, especially because you are angry

synonym: throw, dump, hurl

(1) **fling** a stream of abuse, (2) **fling** a door open forcefully He was provoked to **fling** the draft on the floor.

chemical

adj. relating to or connected with chemistry;

synonym: chemic, synthetic

(1) toxic chemicals, (2) a chemical compound

The firm has grown into a large **chemical** manufacturing.

engineer

- a person whose job is designing, building, or maintaining something such as machines, structures, or software
 synonym: architect, creator, builder
- (1) a civil **engineer**, (2) **engineer** shortage

The engineer will repair my telephone tomorrow morning.

pylorus

- the valve at the exit of the stomach that regulates food in the small intestine
- (1) pylorus sphincter, (2) pylorus stenosis

The doctor ordered an endoscopy to examine the patient's **pylorus** for possible ulcers.

slimy

adj. covered with or having a slippery, viscous coating;
 repulsively slippery or oozy; containing or resembling slime

synonym: slippery, mucky, mucous

slimy substance, (2) slimy green algae
 The slimy texture of the seafood dish made me feel queasy.

acidic

adj. having a pH lower than 7; having characteristics of an acid, such as tasting sour or corroding metal

synonym: sour, tart, acrid

(1) acidic solution, (2) acidic taste

The soil in this region is too **acidic** for most crops to grow well.

mucus

 a slimy liquid produced inside the nose and other body parts for lubrication, protection, etc.

synonym: secretion, slime, saliva

(1) airway mucus, (2) nasal mucus

When the body temperature drops, **mucus** secretion fails.

stomach

n. the internal organ in the body where food is digested, situated in the abdomen; the part of the body below the chest that contains the stomach

synonym: belly, abdomen, gut

(1) upset **stomach**, (2) **stomach** virus

I have a **stomach** ache after overeating junk food.

release

- v. to set free or allow to escape from confinement synonym: free, let go, discharge
- (1) **release** a prisoner, (2) **release** CO2 into the air The animal rights group worked to **release** the dolphins back into the wild.

surrounding

adj. that is near or around, or closely encircling something *synonym*: circumferent, encircling, neighboring

(1) **surrounding** areas, (2) a fence **surrounding** a castle The **surrounding** mountains make the city difficult to be invaded.

glide

v. to move smoothly and effortlessly

synonym: slide, skim, coast

(1) **glide** through the water, (2) **glide** down the mountain The eagle gracefully **glided** on the thermals, soaring above the mountains.

slime

n. a thick, slippery substance that is usually soft and wet synonym: muck, ooze, gunk

(1) **slime** bacteria, (2) **slime** mold

The kids loved playing with the green **slime**, but it was a nightmare to clean up.

responsible

adj. answerable or accountable for something within one's power, control, or management

synonym: accountable, answerable, liable

(1) **responsible** action, (2) **responsible** for a customer service

She's a **responsible** pet owner who ensures her dog gets enough exercise and a healthy diet.

ulcer

n. a sore or erosion in the skin or mucous membrane, often caused by infection or inflammation; a persistent, painful cavity in the stomach or intestinal wall that can lead to digestive problems

synonym: lesion, sore, wound

(1) mouth **ulcer**, (2) gastric **ulcer**

The stress of the job caused him to develop an **ulcer** in his stomach.

Session 2: Spelling

c__k flooring

2. pr___t the future

3. at inc____le speed

4. tr on cubic feet

5. de___m his way of life

6. en____or as much as possible

7. w g a forefinger

8. nuclear ph___s

9. alpha he x

n. a type of light and buoyant material that comes from the bark of the cork oak tree often used as a stopper for bottles or as a material for insulation or flooring; (verb) to close or seal something with a cork or similar stopper

v. to state beforehand that something will happen in the future, mainly based on knowledge or experience

adj. unbelievable; enormous

n. the number 1,000,000,000,000; a million million

v. to change or distort the shape or appearance of something; to become misshapen or distorted

v. to make an earnest attempt or effort; to strive or work hard towards a goal or objective

v. to move or swing back and forth or up and down in a lively or playful manner; to shake or quiver

n. the science of matter and energy and their interactions

 a three-dimensional spiral shape or structure, particularly like that of a spring or a DNA molecule

ANSWERS: 1. cork, 2. predict, 3. incredible, 4. trillion, 5. deform, 6. endeavor, 7. wag, 8. physics, 9. helix

ANSWERS: 10. molasses, 11. convert, 12. stroke, 13. flap, 14. vast, 15. physicist, 16. density, 17. alien, 18. cleverly, 19. microbe

- 20. t_b for foot soaking
- 21. ou____er our opponents
- 22. mouth ul__r
- 23. en___er shortage
- 24. sw h her hair
- 25. sw h a whip
- 26. artificial cr re
- 27. pa e strokes
- 28. sl__g an arrow
- 29. de m the shape

- a large, deep, round container, typically made of metal or plastic, used for washing or soaking things, especially clothes or a person's body
- v. to be more numerous or greater in number than another group or entity; to exceed in quantity or number
- n. a sore or erosion in the skin or mucous membrane, often caused by infection or inflammation; a persistent, painful cavity in the stomach or intestinal wall that can lead to digestive problems
- a person whose job is designing,
 building, or maintaining something such
 as machines, structures, or software
- v. to move or cause to move with a hissing or rustling sound
- v. to move or cause to move with a hissing or rustling sound
- n. a living being, especially an animal
- a flat, usually wooden implement with a handle used for stirring, mixing, or beating a liquid or substance
- v. to throw or drop something somewhere carelessly; to hang loosely or freely; (noun) a length of rope, fabric, or chain used to support or lift something
- v. to change or distort the shape or appearance of something; to become misshapen or distorted

ANSWERS: 20. tub, 21. outnumber, 22. ulcer, 23. engineer, 24. swish, 25. swish, 26. creature, 27. paddle, 28. sling, 29. deform

- 30. cr___re of habit
- 31. sl e mold
- 32. pathogenic mi____e
- 33. dr_t down the stream
- 34. en___or to succeed
- 35. inc____le amount
- 36. t b for washing
- 37. sc w the cap
- 38. py___s stenosis
- 39. nasal mu__s
- 40. a bu h of schoolgirls

- n. a living being, especially an animal
- n. a thick, slippery substance that is usually soft and wet
- a tiny living thing that can only be seen with a microscope and that may cause disease
- v. to move smoothly and slowly in water or air, especially as a result of outside forces, with no control over the direction
- v. to make an earnest attempt or effort; to strive or work hard towards a goal or objective
- adj. unbelievable; enormous
- a large, deep, round container, typically made of metal or plastic, used for washing or soaking things, especially clothes or a person's body
- v. to turn something, such as a bolt, with a driver or wrench to tighten or loosen it; (noun) a cylindrical rod with a helical ridge used to fasten things together
- n. the valve at the exit of the stomach that regulates food in the small intestine
- a slimy liquid produced inside the nose and other body parts for lubrication, protection, etc.
- n. a grouping of several similar thingswhich are growing or fastened together

ANSWERS: 30. creature, 31. slime, 32. microbe, 33. drift, 34. endeavor, 35. incredible, 36. tub, 37. screw, 38. pylorus, 39. mucus, 40. bunch

ANSWERS: 41. physics, 42. dive, 43. flap, 44. ingenious, 45. sperm, 46. slime, 47. gigantic, 48. gigantic, 49. molasses, 50. adaptation, 51. cow, 52. sling

(noun) a length of rope, fabric, or chain

used to support or lift something

54. gl__e down the mountain 55. sl y substance 56. re___e CO2 into the air

57. dynamic vi ty

58. talented ph st

59. c kabottle

60. st___y situation

61. par____um reproduction

62. develop a st____gy

63. pr___t when she will arrive

regulates food in the small intestine

to move smoothly and effortlessly

adj. covered with or having a slippery, viscous coating; repulsively slippery or oozy; containing or resembling slime

to set free or allow to escape from confinement

the state or quality of being thick, sticky, and semi-fluid in consistency; resistance to flow

a scientist who specializes in the field of n. physics

a type of light and buoyant material that comes from the bark of the cork oak tree often used as a stopper for bottles or as a material for insulation or flooring; (verb) to close or seal something with a cork or similar stopper

adj. made of or covered with an adhesive substance; hot or warm and humid

a single-celled freshwater organism n. characterized by a slipper-like shape and the presence of cilia, used for movement and food gathering

a detailed plan of action designed to achieve a long-term or overall goal.

to state beforehand that something will ν. happen in the future, mainly based on knowledge or experience

ANSWERS: 53. pylorus, 54. glide, 55. slimy, 56. release, 57. viscosity, 58. physicist, 59. cork, 60. sticky, 61. paramecium, 62. strategy, 63. predict

ocab-Builder Ref from "Aatish Bhatia: The physics of	human sperm	vs. the physics of the sperm whale TED Talk" (69 words)
64. pathogenic baia	n.	single-celled or noncellular spherical or spiral or rod-shaped organisms that exist in large numbers in the air, water, and soil, and also in living and dead creatures and plants, and are often a cause of disease
65. a hat hk	n.	a curved device used for suspending, holding, or pulling something, especially one attached to a surface for hanging things on; a sharp curve or crook
66. whe watching	n.	a very large sea mammal that has a streamlined body and breathes through a blowhole on the head; a very large person; impressive in size or qualities
67. sn a top	v.	to cause something to rotate rapidly; to cause someone to feel dizzy or disoriented
68. a civil ener	n.	a person whose job is designing, building, or maintaining something such as machines, structures, or software
69. small moles	n.	a group of two or more atoms held together by attractive forces known as chemical bonds
70. canoe pae	n.	a flat, usually wooden implement with a handle used for stirring, mixing, or beating a liquid or substance
71. tey bit	adj.	extremely small; tiny
72. gle through the water	v.	to move smoothly and effortlessly
73. funal education	adj.	forming an essential base or core from which everything else develops or is affected

ANSWERS: 64. bacteria, 65. hook, 66. whale, 67. spin, 68. engineer, 69. molecule, 70. paddle, 71. teeny, 72. glide, 73. fundamental

ANSWERS: 74. stomach, 75. surrounding, 76. viscosity, 77. convert, 78. distance, 79. strategy, 80. mucus, 81. recover, 82. alien, 83. vast

quantity

84. funal rights	adj.	forming an essential base or core from which everything else develops or is affected
85. a chal compound	adj.	relating to or connected with chemistry;
86. sn thread out of cotton	<i>v</i> .	to cause something to rotate rapidly; to cause someone to feel dizzy or disoriented
87. dairy c_w	n.	a domesticated mammal with characteristic features such as a hump, large udders, and curved horns that is raised for its milk or meat
88. toxic chals	adj.	relating to or connected with chemistry;
89. plenty of flds	n.	a substance that can flow and is not solid
90. upset sth	n.	the internal organ in the body where food is digested, situated in the abdomen; the part of the body below the chest that contains the stomach
91. gastric ulr	n.	a sore or erosion in the skin or mucous membrane, often caused by infection o inflammation; a persistent, painful cavit in the stomach or intestinal wall that cal lead to digestive problems
92. many trons of dollars	n.	the number 1,000,000,000,000; a million million
93. ree a prisoner	<i>v</i> .	to set free or allow to escape from confinement
94. harmless baia	n.	single-celled or noncellular spherical or spiral or rod-shaped organisms that exist in large numbers in the air, water, and soil, and also in living and dead creatures and plants, and are often a cause of disease
ANSWERS: 84. fundamental, 85. chemica 90. stomach, 91. ulcer, 92. trillion, 93. relea		•

	n.	a substance that can flow and is not solid
6. a female scw	v.	to turn something, such as a bolt, with a driver or wrench to tighten or loosen it; (noun) a cylindrical rod with a helical ridge used to fasten things together
7. caled crime	adj.	done with careful thought or planning; deliberate and intentional; based on a process of reasoning or estimation rather than on instinct or chance
8. social dice	n.	the amount of space between two points, measured in units such as miles meters, or kilometers; the extent, scope or range between two things, such as distance or emotional distance
9. sly green algae	adj.	covered with or having a slippery, viscous coating; repulsively slippery or oozy; containing or resembling slime
00. int a cave	v.	to live in a specific location; to reside
01. higher pixel dey	n.	the quality of compactness of a substance
02. w_g their laughter	ν.	to move or swing back and forth or up and down in a lively or playful manner; to shake or quiver
03. inus device	adj.	showing inventiveness and ability or skill
04. surng areas	adj.	that is near or around, or closely encircling something
05. the curved shape of a hk	n.	a curved device used for suspending, holding, or pulling something, especially one attached to a surface for hanging things on; a sharp curve or crook

ANSWERS: 95. fluid, 96. screw, 97. calculated, 98. distance, 99. slimy, 100. inhabit, 101. density, 102. wag, 103. ingenious, 104. surrounding, 105. hook

- 106. res_____le for a customer service adj. answer
 - adj. answerable or accountable for something within one's power, control, or management

107. dr t away on a raft

v. to move smoothly and slowly in water or air, especially as a result of outside forces, with no control over the direction

108. st___y weather

adj. made of or covered with an adhesive substance; hot or warm and humid

109. neutral hydrogen a__ms

n. the smallest unit of ordinary matter that forms a chemical element, composed of a nucleus and one or more electrons bound to the nucleus

110. ou____er males

v. to be more numerous or greater in number than another group or entity; to exceed in quantity or number

111. in____t the stomach

- v. to live in a specific location; to reside
- 112. fl_g a door open forcefully
- v. to throw or push something or someone with force or recklessness, especially because you are angry

113. oxygen a__m

n. the smallest unit of ordinary matter that forms a chemical element, composed of a nucleus and one or more electrons bound to the nucleus

114. mo____le behavior

 a group of two or more atoms held together by attractive forces known as chemical bonds

115. he__x structure

 a three-dimensional spiral shape or structure, particularly like that of a spring or a DNA molecule

ANSWERS: 106. responsible, 107. drift, 108. sticky, 109. atom, 110. outnumber, 111. inhabit, 112. fling, 113. atom, 114. molecule, 115. helix

116. d e into anime communities to jump into the water with your head ν. and arms going in first, or to move down to a deeper level underwater 117. a bu h of trees a grouping of several similar things n. which are growing or fastened together 118. mic____ic inquiry adj. tiny; exceedingly precise and detail-oriented; of or used in microscopy 119. res____le action adj. answerable or accountable for something within one's power, control, or management 120. a bull wh__e a very large sea mammal that has a streamlined body and breathes through a blowhole on the head; a very large person; impressive in size or qualities to throw or push something or someone 121. fl g a stream of abuse ν. with force or recklessness, especially because you are angry 122. ada____on ability the action or process of changing to suit n. different conditions to make a strenuous effort to solve a 123. gr e with each other ν. problem; to engage in a close fight or conflict without weapons 124. production of sp__m the reproductive cell produced by a man n. or male animal 125. ac___c taste adj. having a pH lower than 7; having characteristics of an acid, such as tasting sour or corroding metal adj. having a pH lower than 7; having 126. ac___c solution

ANSWERS: 116. dive, 117. bunch, 118. microscopic, 119. responsible, 120. whale, 121. fling, 122. adaptation, 123. grapple, 124. sperm, 125. acidic, 126. acidic

characteristics of an acid. such as

tasting sour or corroding metal

- 127. so te__y tiny
- 128. d g a team down
- 129. f x a finger
- 130. par____um species
- 131. mic____ic analysis
- 132. f_x diplomatic muscle
- 133. re____r a loss
- 134. a st___e of the putter
- 135. d g a chair over
- 136. gr e with problem
- 137. guess cl____ly
- 138. cal____ed bankruptcy

- adj. extremely small; tiny
- v. to pull or haul with force
- v. to show off one's strength, power, or possessions; to bend or be capable of bending easily
- a single-celled freshwater organism characterized by a slipper-like shape and the presence of cilia, used for movement and food gathering
- adj. tiny; exceedingly precise and detail-oriented; of or used in microscopy
- v. to show off one's strength, power, or possessions; to bend or be capable of bending easily
- v. to return to a former condition, health, mind, or strength
- n. a medical condition in which poor blood flow to the brain causes cell death; the act of swinging or striking at a ball with a club, racket, etc.
- v. to pull or haul with force
- v. to make a strenuous effort to solve a problem; to engage in a close fight or conflict without weapons
- adv. in a way that demonstrates intelligence or ability
- adj. done with careful thought or planning;
 deliberate and intentional; based on a process of reasoning or estimation
 rather than on instinct or chance

ANSWERS: 127. teeny, 128. drag, 129. flex, 130. paramecium, 131. microscopic, 132. flex, 133. recover, 134. stroke, 135. drag, 136. grapple, 137. cleverly, 138. calculated

cab-Builder Ref from "Aa	atish Bhatia: The physic	s of human sperm	vs. the physics of	the sperm whale	TED Talk" (69 word
ANOMEDO					
ANSWERS:					

Session 3: Fill in the Blanks

 The eagle gracefully on the thermals, soaring above the mountains. ν. to move smoothly and effortlessly
 The texture of the seafood dish made me feel queasy. adj. covered with or having a slippery, viscous coating; repulsively slippery or oozy; containing or resembling slime
I have a ache after overeating junk food.the internal organ in the body where food is digested, situated in the abdomen; the part of the body below the chest that contains the stomach
4. A peculiar material coated the foliage. adj. made of or covered with an adhesive substance; hot or warm and humid
 The gymnast was able to his muscles to perform the difficult routine. ν. to show off one's strength, power, or possessions; to bend or be capable of bending easily
6. I always look forward to reading his stories since they're so adj. showing inventiveness and ability or skill
7. He was so hungry from the long journey that he had a appetite. adj. extremely large
 8. The will repair my telephone tomorrow morning. n. a person whose job is designing, building, or maintaining something such as machines, structures, or software
ANSWERS: 1. glided, 2. slimy, 3. stomach, 4. sticky, 5. flex, 6. ingenious, 7. gigantic, 8. engineer

 42. The farmer milked the every morning before breakfast. n. a domesticated mammal with characteristic features such as a hump, large udders, and curved horns that is raised for its milk or meat
43. A audience viewed the broadcast. adj. enormous in size, number, amount, or quantity
44. The doctor ordered an endoscopy to examine the patient's for possible ulcers.
n. the valve at the exit of the stomach that regulates food in the small intestine
45. The company's approach has been highly effective.
n. the action or process of changing to suit different conditions
46. The male fertilizes the female egg.
n. the reproductive cell produced by a man or male animal
47. She was diagnosed with a buildup in her lungs.
n. a substance that can flow and is not solid
48. Some countries have a culture of eating the flesh of a
 a very large sea mammal that has a streamlined body and breathes through a blowhole on the head; a very large person; impressive in size or qualities
49. I around for years in Europe before going to university.
v. to move smoothly and slowly in water or air, especially as a result of outside forces, with no control over the direction
50. Please hang your towel on a
a curved device used for suspending, holding, or pulling something, especially one attached to a surface for hanging things on; a sharp curve or crook
ANSWERS: 42. cows, 43. vast, 44. pylorus, 45. adaptation, 46. sperm, 47. fluid, 48. whale, 49. drifted, 50. hook

59.	Einstein was an outstanding and famous of the 20th century.
n.	a scientist who specializes in the field of physics
60.	species have drastically altered the ecosystem in this area.
n.	a person who comes from a different country, race, or group; a form of life assumed to exist outside the Earth or its atmosphere
61.	This year's extreme heat has resulted in many heat cases.
n.	a medical condition in which poor blood flow to the brain causes cell death; the act of swinging or striking at a ball with a club, racket, etc.
62.	One light year is nearly 6 miles.
n.	the number 1,000,000,000,000; a million million
63.	The shape of the DNA is a double helix.
n.	a group of two or more atoms held together by attractive forces known as chemical bonds
64.	The outermost electron shell of an determines its chemical characteristics.
n.	the smallest unit of ordinary matter that forms a chemical element, composed of a nucleus and one or more electrons bound to the nucleus
65.	The colony flourished in the petri dish, providing a perfect sample for our experiment.
n.	a single-celled freshwater organism characterized by a slipper-like shape and the presence of cilia, used for movement and food gathering
66.	He studied the of radiation.
n.	the science of matter and energy and their interactions
	SWERS: 59. physicist, 60. Alien, 61. stroke, 62. trillion, 63. molecule, 64. atom, 65. amecium, 66. physics

Vocab-Builder Ref from "Aatish Bhatia: The physics of human sperm vs. the physics of the sperm whale TED Talk" (69 words
67. She's a pet owner who ensures her dog gets enough exercise and a healthy diet.
adj. answerable or accountable for something within one's power, control, or management
68. The recipe calls for a tablespoon of to add sweetness.
 a thick, dark syrup made from boiled sugar cane or sugar beet juice, often used as a sweetener in cooking and baking
69. She is still from a shot to her shoulder.
v. to return to a former condition, health, mind, or strength
ANSWERS: 67. responsible, 68. molasses, 69. recovering